



Flora of **TAMILNADU** INDIA

SERIES I : ANALYSIS
VOLUME TWO

A.N. HENRY, G.R. KUMARI & V. CHITHRA



GOVERNMENT OF INDIA

FLORA OF TAMIL NADU

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Series I: Analysis

(IN THREE VOLUMES)

VOLUME TWO

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PLAN OF THE ANALYSIS

In the Analysis, the families are broadly arranged in the sequence of Bentham and Hooker's system with present day delimitation of certain families. The second volume deals with about 2350 species and infra specific taxa, from Rubiaceae to Ceratophyllaceae. The genera and species in a family are arranged alphabetically. The treatment of each species includes the original citation of the correct name, followed by relevant synonyms, if any, thereby facilitating reference to *Flora of British India* by Hooker et al. and *Flora of the Presidency of Madras* by Gamble (and Fischer). References to published drawings/plates of species are also given wherever practicable. Local names, if any, are given in italics separately after the citation of literature. Short descriptive notes on habit and habitat are also included. Under distribution, the names of districts are given; the recently formed districts have however been not treated separately. It may be noted that most of the species dealt with in the Analysis are present in MH. Wherever a species is absent from MH, but present in CAL (or other herbarium) its abbreviation

is given against the district/region concerned in the distribution. If no specimen of a species has been seen from a particular district in any of the herbaria, reference to an author (with year) listed in the Bibliography is cited as to its authority.

Species endemic to India, endangered or rare, and species economically important and considered important in plant breeding work are marked by the following symbols after the distribution, separated by a full stop :

- O** : Endemic species
- +** : Endangered species
- R** : Rare species
- E** : Economically important species
- B** : Species useful in plant breeding

A full Bibliography arranged alphabetically authorwise is included at the end of Volume-3 of this Series.

ANALYSIS

RUBIACEAE

M.S. SWAMINATHAN

Acranthera anamallica Bedd. Ic. t. 23. 1868-1874; Hook. f. Fl. Brit. India 3:93. 1880; Gamble, Fl. Pres. Madras 2 : 431. 1957 (repr. ed.).

A herbaceous plant, on stream banks in moist forests of hills.

Distrib.: Coimbatore, Tirunelveli. R.

Acranthera grandiflora Bedd. Ic. t. 25. 1868-1874; Hook. f. Fl. Brit. India 3 : 93. 1880; Gamble, Fl. Pres. Madras 2 : 431. 1957 (repr. ed.).

A pretty herbaceous plant, in moist forests of hills.

Distrib.: Tirunelveli. R.

Aldia gardneri (Thw.) Tirvengadam in Bull. Mus. Hist. Nat. (Paris) 35 : 11. 1978. *Griffithia gardneri* Thw. Enum. Pl. Zeyl. 158. 1859; Bedd. Ic. t. 38. 1868-1874. *Randia gardneri* (Thw.) Hook. f. in Benth. & Hook. f. Gen. Pl. 2 : 88. 1873 & Fl. Brit. India 3 : 112. 1880; Gamble, Fl. Pres. Madras 2: 435. 1957 (repr. ed.).

Tamil: *Padarappan*.

A medium-sized, unarmed tree, in evergreen forests.

Distrib.: Tirunelveli.

Argostemma courtallense Arn. in Ann. Nat. Hist. 3 : 22. 1839; Wight, Ic. t. 1160. 1846; Hook. f. Fl. Brit. India 3:42. 1880; Gamble, Fl. Pres. Madras 2 : 417. 1957 (repr. ed.).

A small herb, in rocky crevices in shady places in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Argostemma verticillatum Wall. in Roxb. Fl. Ind. 2:325. 1824 & Pl. Asiat. Rar. 2. t. 185. 1831; Hook. f. Fl. Brit. India 3 : 43. 1880; Gamble, Fl. Pres. Madras 2 : 417. 1957 (repr. ed.).

A small herb, in crevices of rocks in hills.

Distrib.: Coimbatore, Kanniyakumari. R.

Benkara malabarica (Lam.) Tirvengadam in Taxon 32 : 440. 1983. *Randia malabarica* Lam. Encycl. 3 : 25. 1789; Hook. f. Fl. Brit. India 3 : 111. 1880; Gamble, Fl. Pres. Madras 2 : 435. 1957 (repr. ed.). *Griffithia fragrans* (Roxb.) Wight & Arn. Prodr. 400. 1834; Wight, Ic. t. 310. 1840. *Gardenia fragrans* Roxb. Pl. Cor. t. 137. 1800. *Xeromphis malabarica* (Lam.) Raju, Excurs. Fl. Simhachalam Hills 13. 1966.

Tamil: *Pudan*.

An erect, thorny shrub, in dry evergreen and scrub forests.

Distrib.: Almost all districts.

Byrsophyllum tetrandrum (Bedd.) Hook. f. ex Bedd. Fl. Sylv. t. 326. 1873; Hook. f. Fl. Brit. India 3 : 107. 1880; Gamble, Fl. Pres. Madras 2 : 433. 1957 (repr. ed.). *Gardenia tetrandra* Bedd. Ic. t. 20. 1868-1874.

A shrub or small tree, on high mountains and sholas on rocky regions.

Distrib.: Kanniyakumari, Tirunelveli. R.

Canthium angustifolium Roxb. Fl. Ind. 2 : 169. 1824; Hook. f. Fl. Brit. India 3 : 135. 1880. *Plectronia rheedii* DC. var. *angustifolia* (Roxb.) Gamble, Fl. Pres. Madras 625. 1921 & 2 : 441. 1957 (repr. ed.). *Canthium leschenaultii* (DC.) Wight & Arn. in Wight, Cat. 77. 1833 & Prodr.

426. 1834; Wight, Ic. t. 826. 1844-1845. *Dondisia leschenaultii* DC. Prodr. 4 : 469. 1830.

A scandent shrub.

Distrib.: Kanniyakumari, Tirunelveli.

Canthium dicoccum (Gaertn.) Teijsm. & Binn. Cat. Hort. Bog. 113. 1866, var. *dicoccum*. *Psydrax dicoccos* Gaertn. Fruct. 1 : 125. t. 26. f. 2. 1788. *Canthium didymum* auct. non Gaertn. f. 1806; Hook. f. Fl. Brit. India 3 : 132. 1880. *Plectronia didyma* Benth. & Hook. f. ex Brandis, For. Fl. 276. 1874 quoad descr.; Gamble, Fl. Pres. Madras 2 : 440. 1957 (repr. ed.).

Tamil: *Irambaratthan, Nakkani, Teranai*.

A small tree.

Distrib.: All districts. E.

Canthium dicoccum (Gaertn.) Teijsm. & Binn. var. *lanceolata* (Arn.) Swamin. comb. nov. *C. lanceolatum* Arn. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18 : 342. 1836. *C. didymum* Gaertn. f. var. *lanceolata* (Arn.) Thw. Enum. Pl. Zeyl. 152. 1859; Hook. f. Fl. Brit. India 3 : 132. 1880. *Plectronia didyma* (Gaertn. f.) Kurz var. *lanceolata* (Arn.) Gamble, Fl. Pres. Madras 624. 1921 & 2 : 440. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Tirunelveli. R.

Canthium dicoccum (Gaertn.) Teijsm. & Binn. var. *umbellata* (Wight) Sant. & Merch. in Bull. Bot. Surv. India 3 : 107. 1961. *C. umbellatum* Wight, Ic. t. 1034. 1845; Hook. f. Fl. Brit. India 3 : 132. 1880. *Plectronia didyma* (Gaertn. f.) Kurz var. *umbellata* (Wight) Gamble, Fl. Pres. Madras 624. 1921 & 2 : 440. 1957 (repr. ed.).

Tamil: *Nallamanthanam*.

A large tree, in hilly regions.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Canthium ficiforme Hook. f. Fl. Brit. India 3 : 133. 1880. *Plectronia ficiformis* (Hook. f.) Gamble, Fl. Pres. Madras 624. 1921 & 2 : 440. 1957 (repr. ed.).

An evergreen tree, fairly common at higher elevations.

Distrib.: Coimbatore, Madurai (Gamble 1957), Tirunelveli (CAL). R.

Canthium neilgherrense Wight, Ic. t. 1064 bis. 1846, var. *neilgherrense*; Hook. f. Fl. Brit. India 3 : 133. 1880. *Plectronia neilgherrensis* (Wight) Bedd. For. Man. Bot. 134/6. 1872; Gamble, Fl. Pres. Madras 2 : 441. 1957 (repr. ed.).

A shrub or small tree, in evergreen forests and sholas.

Distrib.: Nilgiri, Tirunelveli. R.

Canthium neilgherrense Wight var. *chartacea* (Gamble) Swamin. in Biol. Mem. 2 (1 & 2) : 67. 1977. *Plectronia neilgherrensis* (Wight) Bedd. var. *chartacea* Gamble, Fl. Pres. Madras 625. 1921 & 2 : 441. 1957 (repr. ed.).

A small tree with chartaceous leaves, in sholas.

Distrib.: Madurai, Nilgiri. R.

Canthium parviflorum Lam. Encycl. 1 : 602. 1785; Hook. f. Fl. Brit. India 3 : 136. 1880. *Plectronia parviflora* (Lam.) Bedd. For. Man. Bot. 134/5. 1872; Gamble, Fl. Pres. Madras 2 : 441. 1957 (repr. ed.).

Tamil: *Karaycheddi, Kudiram, Nallakkarai*.

A thorny shrub, in scrub forests.

Distrib.: Almost all districts. E.

Canthium rheedii DC. Prodr. 4 : 474. 1830; Hook. f. Fl. Brit. India 3 : 134. 1880. *Plectronia rheedii* (DC.) Bedd. For. Man. Bot. 134/5. 1872; Gamble, Fl. Pres. Madras 2 : 441. 1957 (repr. ed.).

A scandent, thorny shrub.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Canthium travancoricum (Bedd.) Hook. f. Fl. Brit. India 3 : 134. 1880. *Plectronia travancorica* Bedd. Ic. t. 239. 1868-1874; Gamble, Fl. Pres. Madras 2 : 441. 1957 (repr. ed.).

A medium-sized, unarred tree, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Catunaregam spinosa (Thunb.) Tirven-gadum in Bull. Mus. Hist. Nat. (Paris) ser. 3. 35 : 13. 1978. *Gardenia spinosa* Thunb. Diss. Gard. 7 : 16. t. 2. f. 4. 1780. *Randia dumetorum* (Retz.) Poir. in Lam. Encycl. Suppl. 2 : 829. 1811; Wight, Ic. t. 580. 1842; Hook. f. Fl. Brit. India 3 : 110. 1880; Gamble, Fl. Pres. Madras 2 : 434. 1957 (repr. ed.). *Gardenia dumetorum* Retz. Obs. Bot. 2 : 14. 1781. *Randia dumetorum* (Retz.) Poir. var. *floribunda* (DC.) Gamble, Fl. Pres. Madras 616. 1921 & 2 : 434. 1957 (repr. ed.). *R. floribunda* DC. Prodr. 4 : 386. 1830. *R. longispina* (Roxb.) DC. Prodr. 4 : 386. 1830; Wight, Ic. t. 582. 1842; Gamble, Fl. Pres. Madras 2 : 434. 1957 (repr. ed.). *Posoqueria longispina* Roxb. Fl. Ind. 2 : 566. 1824. *Randia brandisii* Gamble, Fl. Pres. Madras 616. 1921 & 2 : 434. 1957 (repr. ed.).

Tamil: *Kalagam, Madukarei, Pungarci.*

A small, spinous tree, in dry forests and hills.

Distrib.: All districts.

Cephaelis ipecacuanha A. Rich. in Bull. Fac. Med. 4 : 92. 1818; Hook. f. Fl. Brit. India 3 : 178. 1880.

A low, straggling shrub, cultivated. E.

Ceriscoides turgida (Roxb.) Tirven-gadum in Bull. Mus. Hist. Nat. (Paris) 35 : 15. 1978. *Gardenia turgida* Roxb.

Fl. Ind. 2 : 557. 1824; Wight, Ic. t. 579. 1842; Hook. f. Fl. Brit. India 3 : 118. 1880; Gamble, Fl. Pres. Madras 2 : 437. 1957 (repr. ed.).

Tamil: *Malangarai, Nanjundam.*

A small, deciduous tree with very strong spines, in dry deciduous forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri.

Chassalia curviflora (Wall. ex Kurz) Thw. var. *ophioxyloides* (Wall.) Deb & Krishna in Bull. Bot. Surv. India 24 : 222. 1982 (1983). *Psychotria ophioxyloides* Wall. in Roxb. Fl. Ind. 2 : 167. 1824. *Chassalia curviflora* Wall. ex Kurz, For. Fl. Burma 2 : 14. 1877; Hook. f. Fl. Brit. India 3 : 176. 1880 p.p.; Gamble, Fl. Pres. Madras 2 : 453. 1957 (repr. ed.). *Psychotria ambigua* Wight & Arn. Prodr. 433. 1834; Wight, Ill. 2 : t. 127. 1850.

A small shrub, in evergreen forests.

Distrib.: Coimbatore (CAL), Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Cinchona calisaya Wedd. in Ann. Sci. Nat. Bot. ser. 3. 10 : 6. 1848, var. *calisaya*; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.).

A tree, usually cultivated in hills. E.

Cinchona calisaya Wedd. var. *ledgeriana* How. Quin. E. Ind. Pl. 86. tt. 4-6. 1876; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.).

A tree, usually cultivated. E.

Cinchona officinalis L. Syst. Nat. ed. 10. 929. 1759; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.).

A slender tree, usually cultivated in hills. E.

Cinchona succirubra Pav. ex Klotzsch in Abh. Koenigl. Akad. Wiss. Berlin 60. 1857; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.).

A tree, usually cultivated in hills. E.

Coffea arabica L. Sp. Pl. 172. 1753; Hook. f. Fl. Brit. India 3 : 153. 1880; Gamble, Fl. Pres. Madras 2 : 449. 1957 (repr. ed.).

A large shrub, much cultivated; the coffee. E.

Coffea travancorensis Wall. ex Wight & Arn. Prodr. 435. 1834; Hook. f. Fl. Brit. India 3 : 154. 1880; Gamble, Fl. Pres. Madras 2 : 449. 1957 (repr. ed.).

A slender, undershrub, in forest undergrowth.

Distrib.: Nilgiri.

Deccania pubescens (Roth) Tirvengadam var. *pubescens* (Roth) Tirvengadam in Nord. J. Bot. 3 : 456. 1983. *Gardenia pubescens* Roth, Nov. Pl. Sp. 151. 1821. *Randia candolleana* Wight & Arn. var. *corymbosa* (Wight & Arn.) Gamble, Fl. Pres. Madras 616. 1921 & 2 : 435. 1957 (repr. ed.). *R. corymbosa* Wight & Arn. Prodr. 399. 1834. *R. candolleana* Wight & Arn. Prodr. 399. 1834; Hook. f. Fl. Brit. India 3 : 113. 1880 p.p. *R. deccanensis* Bedd. Ic. t. 237. 1868 - 1874 p.p.

A small tree with large, stout thorns in pairs, often unarmed.

Distrib.: Coimbatore, Madurai.

Deccania pubescens (Roth) Tirvengadam var. *candolleana* (Wight & Arn.) Tirvengadam in Nord. J. Bot. 3 : 456. 1983. *Randia candolleana* Wight & Arn. Prodr. 399. 1834; Hook. f. Fl. Brit. India 3 : 113. 1880 p.p.; Gamble, Fl. Pres. Madras 2 : 435. 1957 (repr. ed.). *R. deccanensis* Bedd. Ic. t. 237. 1868 - 1874 p.p. *Aidia candolleana* (Wight & Arn.) Swamin. in Biol. Mem. 2(1 & 2) : 67. 1977.

A small, unarmed tree, in hills.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot (Gamble 1957), Salem.

Dentella repens (L.) Forst. Char. Gen. 26. t. 13. 1776; Hook. f. Fl. Brit. India 3 : 42. 1880 p.p.; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.) p.p.; Subram. & Sharma in Bull. Bot. Surv. India 10 : 386. ff. 1 - 6. 1968. *Oldenlandia repens* L. Mant. Pl. 40. 1767.

A slender, prostrate herb, rooting at nodes, in moist places

Distrib.: Almost all districts. E.

Dentella serpyllifolia Wall. ex Craib, Fl. Siam. Enum. 2 : 27. 1932; Airy Shaw in Kew Bull. 1932: 289. 1932; Subram. & Sharma in Bull. Bot. Surv. India 10 : 389. ff. 7 - 11. 1968. *D. repens* sensu Hook. f. Fl. Brit. India 3 : 42. 1880 p.p., non Forst. 1776; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.) p.p.

A slender, prostrate herb, rooting at nodes, in wetlands.

Distrib.: Coimbatore. R.

Fergusonia tetracocca (Thw.) Baill. Hist. Pl. 7 : 413. 1880; Gamble, Fl. Pres. Madras 2 : 454. 1957 (repr. ed.). *Botteria tetracocca* Thw. Enum. Pl. Zeyl. 442. 1864; Bedd. Ic. t. 39. 1868 - 1874; *Fergusonia zeylanica* Hook. f. in Hooker's Icon. Pl. t. 1124. 1872 & Fl. Brit. India 3 : 48. 1880.

A scabrous herb, in ghats.

Distrib.: Tirunelveli. R.

Galium asperifolium Wall. in Roxb. Fl. Ind. 1 : 381. 1820; Wight, Ill. 2 : t. 128. f. 1. 1850; Gamble, Fl. Pres. Madras 2 : 462. 1957 (repr. ed.). *G. mollugo* sensu Hook. f. Fl. Brit. India 3 : 207. 1881, non L. 1753.

A scandent, rambling, scabrous herb, at higher elevations.

Distrib.: Madurai, Nilgiri, Salem.

Galium rotundifolium L. Sp. Pl. 108. 1753. *G. rotundifolium* L. var. *javanicum*

(Blume) Hook. f. Fl. Brit. India 3 : 205. 1881. *G. javanicum* Blume, Bijdr. 943. 1826; Gamble, Fl. Pres. Madras 2 : 462. 1957 (repr. ed.). *G. requienianum* Wight & Arn. Prodr. 443. 1834; Wight, Ic. t. 1042. 1845 (except the hairs of the fruit).

A low growing plant of grassy places at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Gardenia angusta (L.) Merr. Interpr. Rumph. Herb. Amboin. 485. 1917. *Varneria angusta* L. Amoen. Acad. 4 : 136. 1759. *Gardenia jasminoides* Ellis in Philos. Trans. 51 (2) : 935. t. 23. 1761; Gamble, Fl. Pres. Madras 2 : 437. 1957 (repr. ed.).

Mostly cultivated.

Gardenia gummifera L. f. Suppl. Pl. 164. 1781; Wight, Ic. t. 576. 1842; Hook. f. Fl. Brit. India 3 : 116. 1880; Gamble, Fl. Pres. Madras 2 : 436. 1957 (repr. ed.).

Tamil: *Kambil, Sinnakkambit, Tikkamalli*.

A small tree, in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Ramana-thapuram, South Arcot, Tirunelveli. E.

Gardenia latifolia Ait. Hort. Kew. ed. 1. 1 : 294. 1789; Wight, Ic. t. 759. 1844; Hook. f. Fl. Brit. India 3 : 116. 1880; Gamble, Fl. Pres. Madras 2 : 436. 1957 (repr. ed.).

Tamil: *Kumbay*.

A small deciduous tree, in lower hills.

Distrib.: Coimbatore, Nilgiri, Ramana-thapuram, Tirunelveli. E.

Gardenia resinifera Roth, Nov. Pl. Sp. 150. 1821. *G. lucida* Roxb. Fl. Ind. 2 : 553. 1824; Wight, Ic. t. 575. 1842; Hook. f. Fl. Brit. India 3 : 115. 1880; Gamble, Fl. Pres. Madras 2 : 436. 1957 (repr. ed.).

Tamil: *Kambil, Kumbai, Tikkamalli*.

A small tree, in deciduous forests.

Distrib.: Almost all districts. E.

Geophila repens (L.) I.M. Johnston in Sargentia 8 : 281. 1949. *Rondeletia repens* L. Syst. Nat. ed. 10. 928. 1759. *Geophila reniformis* D. Don, Prodr. Fl. Nep. 136. 1825; Wight, Ic. t. 54. 1838; Hook. f. Fl. Brit. India 3 : 178. 1880; Gamble, Fl. Pres. Madras 2 : 454. 1957 (repr. ed.).

A small, creeping herb, in hills.

Distrib.: Coimbatore (CAL), Ramana-thapuram. E. R.

Guettarda speciosa L. Sp. Pl. 991. 1753; Wight, Ic. t. 40. 1838; Hook. f. Fl. Brit. India 3 : 126. 1880.

Tamil: *Panneermaram*.

A small tree, often planted. E.

Haldina cordifolia (Roxb.) Ridsdale in Blumea 24 : 361. 1978. *Nauclea cordifolia* Roxb. Pl. Cor. t. 53. 1796. *Adina cordifolia* (Roxb.) Hook. f. ex Brandis, For. Fl. 263. t. 33. 1874; Hook. f. Fl. Brit. India 3 : 24. 1880; Gamble, Fl. Pres. Madras 2 : 412. 1957 (repr. ed.).

Tamil: *Kodambi, Manjatkadambe, Poonthekku*.

A large, deciduous tree.

Distrib.: Almost all districts.

Hamelia patens Jacq. Enum. Pl. Carib. 2 : 16. 1760.

Cultivated. E.

Hedyotis affinis Roem. & Schultes, Syst. 3 : 194. 1818; R. Rao & Hemadri in Indian Forester 99 : 374. 1973. *Oldenlandia affinis* (Roem. & Schultes) DC. Prodr. 4 : 428. 1830; Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. ser. 2. 48 : 226. 1952. *O. dichotoma* (Koen. ex Roth) Hook. f. Fl. Brit. India 3 : 67. 1880, non Spreng.

1850; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *Hedyotis dichotoma* Koen. ex Roth, Nov. Fl. Sp. 93. 1821, non Cav. 1801.

A slender, erect herb.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli.

Hedyotis albo-nervia Bedd. Ic. t. 3. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 55. 1880. *Oldenlandia albo-nervia* (Bedd.) Gamble, Fl. Pres. Madras 599. 1921 & 2 : 422. 1957 (repr. ed.).

A glabrous shrub, in hills.

Distrib.: Tirunelveli. R.

Hedyotis anamalayana (Gamble) R. Rao & Hemadri in Indian Forester 99 : 378. 1973. *Oldenlandia anamalayana* Gamble in Kew Bull. 1920 : 67. 1920 & Fl. Pres. Madras 2 : 422. 1957 (repr. ed.). *Hedyotis lessertiana* sensu Bedd. Ic. t. 31. 1868 - 1874, non Arn. 1836.

A slender, erect undershrub of higher ranges.

Distrib.: Coimbatore. R.

Hedyotis articularis R. Br. ex Wight & Arn. Prodr. 407. 1834, subsp. *articularis*; Wight, Ic. t. 1028. 1845; Hook. f. Fl. Brit. India 3 : 51. 1880. *Oldenlandia articularis* (R. Br. ex Wight & Arn.) Gamble, Fl. Pres. Madras 597. 1921 & 2 : 421. 1957 (repr. ed.).

A stiff shrub, at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri.

Hedyotis articularis R. Br. ex Wight & Arn. subsp. *santapau* (Shetty & Vivek.) Deb & Dutta in Taxon 32 : 284. 1983. *H. santapau* Shetty & Vivek. in Bull. Bot. Surv. India 11 : 447. ff. 1-11. 1969 (1972).

An undershrub, at higher elevations.

Distrib.: Coimbatore (BM). R. +.

Hedyotis aspera Heyne ex Roth, Nov. Pl. Sp. 94. 1821; R. Rao & Hemadri in Indian Forester 99 : 375. 1973. *Oldenlandia aspera* (Heyne ex Roth) DC. Prodr. 4 : 428. 1830; Hook. f. Fl. Brit. India 3 : 68. 1880; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *Kohauttia aspera* (Heyne ex Roth) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. ser. 2. 48 : 113. 1952.

A stout, annual herb.

Distrib.: In most of the districts.

Hedyotis auricularia L. Sp. Pl. 101. 1753; Bedd. Ic. t. 27. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 58. 1880; R. Rao & Hemadri in Indian Forester 99 : 375. 1973. *Oldenlandia auricularia* (L.) K. Schum. in Engler & Prantl, Pflanzenf. 4 (4) : 25. 1891; Gamble, Fl. Pres. Madras 2 : 421. 1957 (repr. ed.). *Exallage auricularia* (L.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. ser. 2. 48 : 142. 1952.

An annual, usually trailing herb, in hilly regions.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Hedyotis barberi (Gamble) Henry & Subram. in Proc. Indian Acad. Sci. 76 B : 29. 1972. *Oldenlandia barberi* Gamble in Kew Bull. 1920 : 68. 1920 & Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

An erect shrub with woody, ringed branches, at higher elevations.

Distrib.: Tirunelveli. O. R. +.

Hedyotis beddomei Hook. f. Fl. Brit. India 3 : 52. 1880. *H. capitata* Bedd. Ic. t. 191. 1868 - 1874, non Lam. 1789. *Oldenlandia beddomei* (Hook. f.) Kunize, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A stiff shrub, at higher elevations.

Distrib.: Nilgiri (Balasubramanian 1972). R. +.

Hedyotis brachiata Wight in Wight & Arn. Prodr. 416. 1834. *Oldenlandia brachiata* (Wight) Hook. f. Fl. Brit. India 3 : 66. 1880. *O. pusilla* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 216. 1803, non *Hedyotis pusilla* Hochst. ex A. Rich. 1847; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.).

A stiff, erect herb.

Distrib.: Coimbatore (FRC), Tiruchchirappalli (Gamble 1957).

Hedyotis buxifolia Bedd. Ic. t. 1. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 52. 1880. *Oldenlandia buxifolia* (Bedd.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 421. 1957 (repr. ed.).

A stiff shrub, at higher elevations.

Distrib.: Coimbatore. R.

Hedyotis caerulea Wight & Arn. Prodr. 412. 1834; Bedd. Ic. t. 30. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 60. 1880. *Oldenlandia caerulea* (Wight & Arn.) Gamble, Fl. Pres. Madras 597. 1921 & 2 : 421. 1957 (repr. ed.).

A stiff, erect, scabrous herb.

Distrib.: Dharmapuri, Thanjavur (Gamble 1957).

Hedyotis corymbosa (L.) Lam. Encycl. 1 : 272. 1792; R. Rao & Hemadri in Indian Forester 99 : 375. 1973. *Oldenlandia corymbosa* L. Sp. Pl. 119. 1753; Hook. f. Fl. Brit. India 3 : 64. 1880; Gamble, Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A very variable herb, in dry and wetlands.

Distrib.: Almost all districts. E.

Hedyotis devicolamensis Deb & Dutta in J. Bombay Nat. Hist. Soc. 82 : 619. 1985 (1986).

A shrub or undershrub in grassy slopes, at higher altitudes.

Distrib.: Coimbatore.

Hedyotis diffusa Willd. Sp. Pl. 1 : 566. 1798. *Oldenlandia diffusa* (Willd.) Roxb. Fl. Ind. 1 : 444. 1820; Hook. f. Fl. Brit. India 3 : 65. 1880; Gamble, Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Madurai, Tirunelveli. E.

Hedyotis eualata (Gamble) Henry & Subram. in Proc. Indian Acad. Sci. 76 B : 28. 1972, var. *eualata*. *Oldenlandia eualata* Gamble in Kew Bull. 1919 : 404. 1919 & Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A weak shrub, in higher hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Gamble 1957).

Hedyotis eualata (Gamble) Henry & Subram. var. *agastyamalayana* Henry & Subram. in Proc. Indian Acad. Sci. 76 B : 28. ff. 1 - 6. 1972.

A woody undershrub, in hilly regions, in moist forests.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Hedyotis gamblei Henry & Subram. in Proc. Indian Acad. Sci. 76 B : 26. ff. 1 - 5. 1972.

A slender shrub, in hilly regions.

Distrib.: Kanniyakumari, Tirunelveli. O. R. +.

Hedyotis gracilis Wall. in Roxb. Fl. Ind. 1 : 371. 1820; R. Rao & Hemadri in Indian Forester 99 : 376. 1973. *Oldenlandia gracilis* (Wall.) Hook. f. Fl. Brit. India 3 : 68. 1880; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *Hedyotis aspera* sensu Bedd. Ic. t. 32. 1868 - 1874, non Heyne ex Roth 1821.

A slender erect herb in hills.

Distrib.: Coimbatore, Tiruchchirappalli (RHT), Tirunelveli.

Hedyotis graminifolia L. f. Suppl. Pl. 119. 1781, var. *graminifolia*; Deb & Dutta in Taxon 32 : 285. 1983. *Oldenlandia stricta* L. Mant. Pl. 200. 1771; Hook. f. Fl. Brit. India 3 : 68. 1880; Gamble, Fl. Pres. Madras 2 : 425. 1957 (repr. ed.). *Hedyotis stricta* (L.) R. Rao & Hemadri in Indian Forester 99 : 378. 1973, non Smith 1811, nec Wall. 1820.

A herb, at lower elevations especially near sea coast.

Distrib.: Chengalpattu, Kanniyakumari (CAL, UCT), Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Hedyotis graminifolia L. f. var. *shuteri* (Hook. f.) Deb & Dutta in Taxon 32 : 285. 1983. *Oldenlandia shuteri* Hook. f. Fl. Brit. India 3 : 69. 1880; Gamble, Fl. Pres. Madras 2 : 425. 1957 (repr. ed.). *Hedyotis shuteri* (Hook. f.) R. Rao & Hemadri in Indian Forester 99 : 378. 1973.

A scabrous herb, at lower elevations.

Distrib.: Chengalpattu, North Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Hedyotis herbacea L. Sp. Pl. 102. 1753; R. Rao & Hemadri in Indian Forester 99 : 376. 1973. *Oldenlandia heynii* R. Br. ex G. Don, Gen. Syst. 3 : 531. 1834; Hook. f. Fl. Brit. India 3 : 65. 1880; Fyson, Fl. South Indian Hill St. 2: t. 216. 1932. *O. herbacea* (L.) Roxb. Fl. Ind. 1 : 445. 1820; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.).

An erect, bushy herb.

Distrib.: All districts.

Hedyotis hirsutissima Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 49. 1864 & Ic. t. 2. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 55. 1880. *Oldenlandia hirsutissima* (Bedd.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891;

Gamble, Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A shrub growing from the crevices of rocks at higher altitudes.

Distrib.: Nilgiri. O. R.

Hedyotis lessertiana Arn. in Nova Acta Phys. - Med. Acad. Caes. Leop. Carol. Nat. Cur. 18 : 339. 1836; Hook. f. Fl. Brit. India 3 : 52. 1880. *Oldenlandia lessertiana* (Arn.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A stout, erect shrub, at higher elevations.

Distrib.: Coimbatore. O. R.

Hedyotis nitida Wight & Arn. Prodr. 412. 1834; Hook. f. Fl. Brit. India 3 : 61. 1880. *H. glabella* R. Br. ex Bedd. Ic. t. 36. 1868 - 1874. *Oldenlandia nitida* (Wight & Arn.) Gamble, Fl. Pres. Madras 597. 1921 & 2 : 421. 1957 (repr. ed.).

An annual, usually prostrate herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Hedyotis pruinosa Wight & Arn. Prodr. 408. 1834; Hook. f. Fl. Brit. India 3 : 51. 1880. *H. lentiginosa* Bedd. Ic. t. 6. 1868 - 1874. *Oldenlandia pruinosa* (Wight & Arn.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 421. 1957 (repr. ed.).

A shrub.

Distrib.: Tirunelveli. R.

Hedyotis puberula (G. Don) Arn. Pugill. Pl. Ind. Or. 342. 1836; Deb & Dutta in J. Bombay Nat. Hist. Soc. 81 : 232. 1984. *Oldenlandia puberula* G. Don, Gen. Syst. 3 : 530. 1834. *O. umbellata* L. Sp. Pl. 119. 1753; Hook. f. Fl. Brit. India 3 : 66. 1880; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *Hedyotis umbellata* (L.) Lam. Tabl. Encycl. 1 : 272. 1792, non

Wall. 1788. *Oldenlandia wightii* Hook. f. Fl. Brit. India 3 : 66. 1880; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *Hedyotis wightii* (Hook. f.) K.K.N. Nair in J. Bombay Nat. Hist. Soc. 79 : 453. 1982.

Tamil: *Chiruver, Emburel, Saya.*

A stiff herb.

Distrib.: All districts.

Hedyotis pumila L.f. Suppl. Pl. 119. 1781; R. Rao & Hemadri in Indian Forester 99 : 377. 1973. *Oldenlandia crystallina* Roxb. Fl. Ind. 1 : 443. 1820; Hook. f. Fl. Brit. India 3 : 65. 1880; Gamble, Fl. Pres. Madras 2 : 424. 1957 (repr. ed.). *O. pumila* (L. f.) DC. Prodr. 4 : 425. 1830; Sant. & Merch. in Rec. Bot. Surv. India 3 : 109. 1962. *O. maheshwarii* sensu Rangaswamy et al. in J. Bombay Nat. Hist. Soc. 64 : 390. 1967, non Sant. & Merch. 1964.

A prostrate herb, often at low levels.

Distrib.: Chengalpattu, Nilgiri, North Arcot, South Arcot (Rangaswamy et al. 1967), Tiruchchirappalli (RHT), Tirunelveli; "E. Coast, Madras to Nagapatnam" Gamble (1957).

Hedyotis purpurascens Hook. f. Fl. Brit. India 3 : 50. 1880, var. *purpurascens*. *H. purpurea* Bedd. Ic. t. 5. 1868 - 1874, non A. Gray 1848 1849. *Oldenlandia purpurascens* (Hook. f.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 421. 1957 (repr. ed.).

A large, erect shrub, in hilly regions.

Distrib.: Kanniyakumari, Madurai, Nilgiri (Fyson 1932), Tirunelveli.

Hedyotis purpurascens Hook. f. var. *pallida* (Gamble) Mohanan in J. Econ. Tax. Bot. 6 : 480. 1985. *Oldenlandia purpurascens* (Hook. f.) Kuntze var. *pallida* Gamble, Fl. Pres. Madras 597. 1921 & 2 : 421. 1957 (repr. ed.).

A shrub, in hilly regions.

Distrib.: Tirunelveli. O. R.

Hedyotis ramarowii (Gamble) R. Rao & Hemadri in Indian Forester 99 : 378. 1973. *Oldenlandia ramarowii* Gamble in Kew Bull. 1919 : 405. 1919 & Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

An undershrub with rather thick, soft stems, at higher elevations.

Distrib.: Tirunelveli. R. +.

Hedyotis sisparensis Gage in J. Asiat. Soc. Bengal n.s. 1 : 244. 1905. *Oldenlandia sisparensis* (Gage) Gamble, Fl. Pres. Madras 599. 1921 & 2 : 422. 1957 (repr. ed.).

An undershrub, at high altitudes.

Distrib.: Nilgiri (Gamble 1957). O. R. +.

Hedyotis stylosa R. Br. ex Wight & Arn. Prodr. 407. 1834; Wight, Ic. t. 1027. 1845; Hook. f. Fl. Brit. India 3 : 51. 1880. *Oldenlandia stylosa* (R. Br. ex Wight & Arn.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A large shrub, along margins of sholas and in grasslands at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Hedyotis swertioides Hook. f. Fl. Brit. India 3 : 51. 1880. *Oldenlandia swertioides* (Hook. f.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Fyson, Fl. South Indian Hill St. 2 : t. 217. 1932; Gamble, Fl. Pres. Madras 2 : 422. 1957 (repr. ed.).

A low shrub, at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Hook. f. 1880).

Hedyotis travancorica Bedd. Ic. t. 7. 1868 - 1874; Hook. f. Fl. Brit. India 3 : 55. 1880. *Oldenlandia travancorica* (Bedd.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891;

Gamble, Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A small undershrub, in hilly regions.

Distrib.: Kanniyakumari (CAL, UCT), Tirunelveli. R. +.

Hedyotis trinervia (Retz.) Roem. & Schultes, Syst. 3 : 197. 1819; Bedd. Ic. t. 29. 1868 1874. *Oldenlandia trinervia* Retz. Obs. Bot. 4 : 23. 1786; Hook. f. Fl. Brit. India 3 : 66. 1880; Gamble, Fl. Pres. Madras 2 : 421. 1957 (repr. ed.).

A small, prostrate herb.

Distrib.: Chengalpattu.

Hedyotis villosostipulata (Gamble) R. Rao & Hemadri in Indian Forester 99 : 379. 1973. *Oldenlandia villosostipulata* Gamble in Kew Bull. 1919 : 405. 1919 & Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A bush, at higher elevations.

Distrib.: Kanniyakumari. O. R. +.

Hedyotis viscida Bedd. Ic. t. 4. 1868 1874; Hook. f. Fl. Brit. India 3 : 57. 1880. *Oldenlandia viscida* (Bedd.) Kuntze, Rev. Gen. Pl. 1 : 292. 1891; Gamble, Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A large, handsome shrub, in hills.

Distrib.: Nilgiri (Fyson 1932), Tirunelveli. O. R.

Hydrophyllax maritima L. f. Suppl. Pl. 126. 1781; Wight, Ic. t. 760. 1844; Hook. f. Fl. Brit. India 3 : 199. 1881; Gamble, Fl. Pres. Madras 2 : 461. 1957 (repr. ed.).

A succulent herb, in coastal regions, on sand dunes.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, South Arcot, Thanjavur. E.

Hymenodictyon obovatum Wall. in Roxb. Fl. Ind. 2 : 153. 1824; Wight, Ic. t. 1159. 1846; Hook. f. Fl. Brit. India 3 :

36. 1880; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.).

Tamil: *Yellamalakkai, Haimergay.*

A medium-sized tree, in deciduous forests.

Distrib.: Coimbatore, Kanniyakumari. E.

Hymenodictyon orixense (Roxb.) Maberley in Taxon 31 : 66. 1982. *Cinchona orixensis* Roxb. Bot. Descr. Swietenia 21. 1793 & in Med. Facts Observ. 6 : 152. 1795. *Hymenodictyon excelsum* (Roxb.) Wall. in Roxb. Fl. Ind. 2 : 149. 1824; Wight, Ic. t. 79. 1838; Hook. f. Fl. Brit. India 3 : 35. 1880; Gamble, Fl. Pres. Madras 2 : 416. 1957 (repr. ed.). *Cinchona excelsa* Roxb. Pl. Cor. t. 106. 1799.

Tamil: *Malaitanakku, Velleikadambu, Vilari.*

A large, deciduous tree.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Ixora brachiata Roxb. ex DC. Prodr. 4 : 488. 1830; Wight, Ic. t. 710. 1843; Hook. f. Fl. Brit. India 3 : 142. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Ixora coccinea L. Sp. Pl. 110. 1753; Wight, Ic. t. 153. 1839; Hook. f. Fl. Brit. India 3 : 145. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

Tamil: *Kullai, Sedaram, Sinduram, Thetti.*

A large shrub with beautiful, scarlet flowers, in forests at lower elevations; also cultivated.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, Tiruchchirappalli (RHT). E.

Ixora cuneifolia Roxb. ex DC. Prodr. 4 : 487. 1830; Wight, Ic. t. 709. 1843; Hook. f. Fl. Brit. India 3 : 144. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Coimbatore. E. R.

Ixora elongata Heyne ex G. Don, Gen. Syst. 3 : 571. 1834; Hook. f. Fl. Brit. India 3 : 141. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

A shrub.

Distrib.: Coimbatore. R.

Ixora finlaysonianana Wall. ex G. Don, Gen. Syst. 3 : 572. 1834; Gamble, Fl. Pres. Madras 2 : 444. 1957 (repr. ed.).

A shrub, probably introduced.

Distrib.: Chengalpattu, Coimbatore, Madurai, Tiruchchirappalli (RHT).

Ixora leucantha Heyne ex G. Don, Gen. Syst. 3 : 572. 1834; Gamble, Fl. Pres. Madras 2 : 444. 1957 (repr. ed.).
I. lanceolaria sensu Hook. f. Fl. Brit. India 3 : 138. 1880 p.p., non Colebr. 1820.

A pretty shrub, in hills.

Distrib.: Tirunelveli (CAL, PCM, UCT).

Ixora malabarica (Dennst.) Mabberley in Taxon 26 : 539. 1977. *Chiococca malabarica* Dennst. Schluess. Hort. Ind. Malab. 12, 19 & 37. 1818. *Ixora lanceolaria* Colebr. in Roxb. Fl. Ind. 1 : 397. 1820; Wight, Ic. t. 827. 1844 - 1845; Hook. f. Fl. Brit. India 3 : 138. 1800 p.p.; Gamble, Fl. Pres. Madras 2 : 444. 1957 (repr. ed.).
I. leucantha Heyne ex G. Don var. *malabarica* Gamble, Fl. Pres. Madras 630. 1921 & 2 : 444. 1957 (repr. ed.).

An erect shrub, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli.

Ixora monticola Gamble in Kew Bull. 1920 : 247. 1920 & Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

A shrub with small leaves, at higher elevations.

Distrib.: Madurai (CAL). O. R. +.

Ixora nigricans R. Br. ex Wight & Arn. Prodr. 428. 1834; Wight, Ic. t. 318. 1840; Hook. f. Fl. Brit. India 3 : 148. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

Tamil: *Mashagant*, *Udappu*.

A small tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli. E.

Ixora notoniana Wall. ex G. Don, Gen. Syst. 3 : 571. 1834; Hook. f. Fl. Brit. India 3 : 139. 1880; Fyson, Fl. South Indian Hill St. 2 : t. 231. 1932; Gamble, Fl. Pres. Madras 2 : 444. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Ixora pavetta Andr. Bot. Repos. t. 78. 1799. *I. parviflora* Vahl, Symb. Bot. 3 : 11. t. 52. 1794, non Lam. 1791; Wight, Ic. t. 711. 1840; Hook. f. Fl. Brit. India 3 : 142. 1880; Gamble, Fl. Pres. Madras 2 : 445. 1957 (repr. ed.). *I. arborea* Roxb. ex J. E. Smith in Rees, Cyclop. 19 : n. 5. 1811.

Tamil: *Koran*, *Korivi*, *Shulundu*.

A small tree.

Distrib.: Almost all districts. E.

Ixora saulierei Gamble in Kew Bull. 1920 : 247. 1920 & Fl. Pres. Madras 2 : 445. 1957 (repr. ed.).

A small tree with thick leaves, in hills.

Distrib.: Madurai. O. R. +.

Knoxia sumatrensis (Retz.) DC. Prodr. 4 : 569. 1830, var. *sumatrensis*; Bhattacharjee & Deb in J. Econ. Tax. Bot. 6 : 89. 1985. *Spermacoce sumatrensis* Retz. Obs. Bot. 4 : 23. 1786. *Knoxia corymbosa*

Willd. Sp. Pl. 1 : 582. 1798; Wight, Ill. 2 : t. 128. 1850; Hook. f. Fl. Brit. India 3 : 128. 1880; Gamble, Fl. Pres. Madras 2 : 439. 1957 (repr. ed.). *K. mollis* R. Br. in Wall. Cat. 24. n. 820. 1828; Wight & Arn. Prodr. 439. 1834.

An erect herb, mostly in hills.

Distrib.: Almost all districts.

Knoxia sumatrensis (Retz.) DC. var. *glaberrima* Bhattacharjee & Deb in J. Econ. Tax. Bot. 6 : 92. 1985. *K. heyneana* auct. non DC. 1830; Wight & Arn. Prodr. 439. 1834; Hook. f. Fl. Brit. India 3 : 129. 1880; Gamble, Fl. Pres. Madras 2 : 439. 1957 (repr. ed.).

An erect herb, at higher altitudes.

Distrib.: Kanniyakumari, Madurai, Tirunelveli.

Knoxia sumatrensis (Retz.) DC. var. *hookeriana* Bhattacharjee & Deb in J. Econ. Tax. Bot. 6 : 92. 1985. *K. mollis* auct. non R. Br. 1828; Hook. f. Fl. Brit. India 3 : 129. 1880; Fyson, Fl. South Indian Hill St. 2 : t. 228. 1932; Gamble, Fl. Pres. Madras 2 : 439. 1957 (repr. ed.).

A straggling herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem.

Knoxia sumatrensis (Retz.) DC. var. *linearis* (Gamble) Bhattacharjee & Deb in J. Econ. Tax. Bot. 6 : 93. 1985. *K. linearis* Gamble in Kew Bull. 1920 : 68. 1920 & Fl. Pres. Madras 2 : 439. 1957 (repr. ed.).

An erect, slender herb, in hills.

Distrib.: Tirunelveli. O. R. 1.

Knoxia wightiana Wall. ex Wight & Arn. Prodr. 440. 1834; Hook. f. Fl. Brit. India 3 : 129. 1880; Fyson, Fl. South Indian Hill St. 2 : t. 229. 1932; Gamble, Fl. Pres. Madras 2 : 439. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore, Madurai, North Arcot (Gamble 1957), Nilgiri, Ramanathapuram, Salem, Tirunelveli (Bhattacharjee & Deb 1985).

Lasianthus acuminatus Wight in Calcutta J. Nat. Hist. 6 : 511. 1846; Hook. f. Fl. Brit. India 3 : 185. 1880 p.p.; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

A slender shrub, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Gamble 1957).

Lasianthus blumeanus Wight in Calcutta J. Nat. Hist. 6 : 507. 1846; Bedd. Ic. t. 22. 1868-1874; Hook. f. Fl. Brit. India 3 : 184. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

An evergreen shrub, in hills.

Distrib.: Tirunelveli. O. R.

Lasianthus capitulatus Wight in Calcutta J. Nat. Hist. 6 : 511. 1846; Hook. f. Fl. Brit. India 3 : 191. 1880; Gamble, Fl. Pres. Madras 2 : 457. 1957 (repr. ed.).

A large shrub, in sholas.

Distrib.: Coimbatore (CAL), Madurai (Gamble 1957), Nilgiri.

Lasianthus ciliatus Wight in Calcutta J. Nat. Hist. 6 : 509. 1846; Hook. f. Fl. Brit. India 3 : 184. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

A stout shrub with tawny brown rusty tomentum, in sholas at higher elevations.

Distrib.: Nilgiri. O. R.

Lasianthus cinereus Gamble in Kew Bull. 1920 : 249. 1920 & Fl. Pres. Madras 2 : 457. 1957 (repr. ed.).

A cinereous, pubescent shrub, in hills.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Lasianthus coffeoides Fyson in Kew Bull. 1914: 185. 1914 & Fl. South Indian Hill St. 2 : t. 237. 1932; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

An erect shrub, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri (FRC), Tirunelveli (Calder, Narayana-swami & Ramaswami 1926).

Lasianthus dichotomous Wight in Calcutta J. Nat. Hist. 6 : 508. 1846; Bedd. Ic. t. 13. 1868 1874; Hook. f. Fl. Brit. India 3 : 191. 1880; Gamble, Fl. Pres. Madras 2 : 457. 1957 (repr. ed.).

A glabrous shrub, in ghats.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Lasianthus jackianus Wight in Calcutta J. Nat. Hist. 6 : 502. 1846; Bedd. Ic. t. 12. 1868 1874; Hook. f. Fl. Brit. India 3 : 180. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

An evergreen shrub, covered with bulbous-based, strigose hairs.

Distrib.: Coimbatore (Gamble 1957), Nilgiri. O. R.

Lasianthus oblongifolius Bedd. Ic. t. 11. 1868 1874; Hook. f. Fl. Brit. India 3 : 183. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

An evergreen shrub.

Distrib.: Tirunelveli. O. R.

Lasianthus parvifolius Wight in Calcutta J. Nat. Hist. 6 : 512. 1846; Hook. f. Fl. Brit. India 3 : 186. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

A slender, glabrous shrub, in moist forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Gamble 1957).

Lasianthus rostratus Wight in Calcutta J. Nat. Hist. 6 : 510. 1846; Gamble, Fl.

Pres. Madras 2 : 456. 1957 (repr. ed.).
L. ciliatus Wight var. *rostrata* (Wight) Hook. f. Fl. Brit. India 3 : 185. 1880.

A shrub, in sholas.

Distrib.: Coimbatore, Madurai, Tirunelveli (Gamble 1957).

Lasianthus strigillosus Hook. f. Fl. Brit. India 3 : 185. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Nilgiri, Tirunelveli.

Lasianthus truncatus Bedd. Ic. t. 9. 1868 1874; Hook. f. Fl. Brit. India 3 : 189. 1880; Gamble, Fl. Pres. Madras 2 : 456. 1957 (repr. ed.).

A shrub.

Distrib.: Tirunelveli. R.

Lasianthus venulosus (Wight & Arn.) Wight, Ic. t. 1032. 1845; Hook. f. Fl. Brit. India 3 : 190. 1880; Gamble, Fl. Pres. Madras 2 : 457. 1957 (repr. ed.).
Santia venulosa Wight & Arn. Prodr. 422. 1834.

A large, much-branched shrub, in sholas.

Distrib.: Madurai, Nilgiri.

Luculia gratissima Sweet, Brit. Flow. Gard. t. 145. 1826; Hook. f. Fl. Brit. India 3 : 36. 1880.

An attractive shrub, cultivated. E.

Luculia pinceana Hook. in Bot. Mag. t. 4132. 1845; Hook. f. Fl. Brit. India 3 : 37. 1880.

A shrub, cultivated.

Meyna laxiflora Robyns in Bull. Jard. Bot. Etat. 11 : 228. 1928. **Vangueria spinosa** Roxb. Fl. Ind. 2: 172. 1824 p.p.; Hook. f. Fl. Brit. India 3 : 136. 1880 p.p.; Gamble, Fl. Pres. Madras 2 : 442. 1957 (repr. ed.) p. p.

Tamil: *Manakkarai*.

A small, thorny tree or large shrub, in plains.

Distrib.: Chengalpattu. E. R.

Mitracarpus villosus (Sw.) DC. Prodr. 4 : 572. 1830; Verdc. in Kew Bull. 30 : 317-322. 1975 & Fl. Trop. East Africa (Rubiaceae) 375-376. 1976. *Spermacoce villosa* Sw. Prodr. 29. 1788. *Mitracarpus verticillatus* (Schum. & Thonn.) Vatke in Linnaea 40 : 196. 1876; Sebastine & Ramam. in Bull. Bot. Surv. India 9 : 291. 1968. *Staurospetrum verticillatum* Schum. & Thonn. Beskr. Guin. Pl. 73. 1827.

A weed of plains and hills.

Distrib.: Coimbatore, Kanniyakumari, Thanjavur.

Mitragyna parvifolia (Roxb.) Korth. Observ. Naocl. Ind. 19. 1839; Gamble, Fl. Pres. Madras 2 : 413. 1957 (repr. ed.); Ridsdale in Blumea 24 : 3. 1978. *Nauclea parvifolia* Roxb. Pl. Cor. t. 52. 1796. *Stephegyne parvifolia* (Roxb.) Korth. Verh. Nat. Gesch. Ned. Bezitt. Bot. 161. 1842; Hook. f. Fl. Brit. India 3 : 25. 1880.

Tamil: *Chinnakadambu*, *Nichulam*.

A large, deciduous tree, in dry forests.

Distrib.: Almost all districts. E.

Mitragyna tubulosa (Arn.) Hav. in J. Linn. Soc. Bot. 33 : 71. 1897; Gamble, Fl. Pres. Madras 2 : 413. 1957 (repr. ed.). *Nauclea tubulosa* Arn. in Thw. Enum. Pl. Zeyl. 137. 1859; Bedd. Ic. t. 18. 1868-1874. *Stephegyne tubulosa* (Arn.) Hook. f. ex Bedd. Fl. Sylv. t. 29. f. 1. 1869; Hook. f. Fl. Brit. India 3 : 25. 1880.

A small, deciduous tree, in dry forests and in grasslands at foot of hills.

Distrib.: Coimbatore, Tirunelveli (FRC).

Morinda citrifolia L. Sp. Pl. 176. 1753; Hook. f. Fl. Brit. India 3 : 155. 1880;

Gamble, Fl. Pres. Madras 2 : 459. 1957 (repr. ed.). *M. bracteata* Roxb. Fl. Ind. 1 : 544. 1832; Wight, Ill. 2 : t. 126. 1850.

Tamil: *Manjanatti*, *Nuna*, *Tunnani*.

A small tree, in coastal forests; sometimes cultivated.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram. Tiruchchirappalli. (RHT).

Morinda pubescens J.E. Smith in Rees, Cyclop. 24 : n. 3. 1813, var. *pubescens*; Verdc. in Kew Bull. 37 : 543. 1983. *M. tinctoria* Roxb. Fl. Ind. 2 : 197. 1824 & 1. 543. 1832, non Noronha 1790; Hook. f. Fl. Brit. India 3 : 156. 1880; Gamble, Fl. Pres. Madras 2 : 459. 1957 (repr. ed.). *M. tinctoria* Roxb. var. *tomentosa* (Heyne ex Roth) Hook. f. Fl. Brit. India 3 : 156. 1880; Gamble, Fl. Pres. Madras 2 : 459. 1957 (repr. ed.). *M. tomentosa* Heyne ex Roth, Nov. Pl. Sp. 147. 1821.

Tamil: *Manjanatti*, *Manjanuna*, *Nuna*.

A moderate-sized deciduous tree, in dry forests.

Distrib.: Almost all districts.

Morinda pubescens J.E. Smith var. *stenophylla* (Spreng.) Kumari ined. *M. stenophylla* Spreng. Syst. Veg. 1 : 749. 1824. *M. tinctoria* Roxb. var. *stenophylla* (Spreng.) Gamble, Fl. Pres. Madras 652. 1921 & 2 : 460. 1957 (repr. ed.).

A tree.

Distrib.: Coimbatore, Thanjavur, Tirunelveli.

Morinda reticulata Gamble in Kew Bull. 1920 : 248. 1920 & Fl. Pres. Madras 2 : 460. 1957 (repr. ed.).

A climbing shrub with reticulate leaves, in evergreen forests.

Distrib.: Kanniyakumari. R.

Morinda umbellata L. Sp. Pl. 176. 1753; Hook. f. Fl. Brit. India 3 : 157. 1880;

Gamble, Fl. Pres. Madras 2 : 460. 1957 (repr. ed.).

A diffuse, climbing shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Mussaenda belilla Buch. Ham. in Trans. Linn. Soc. London 14 : 203. 1824; Ridsdale in Manilal, Bot. Hist. Hort. Malab. 131. 1980. *M. laxa* (Hook. f.) Hutchinson ex Gamble, Fl. Pres. Madras 610. 1921 & 2 : 430. 1957 (repr. ed.). *M. frondosa* L. var. *laxa* Hook. f. Fl. Brit. India 3 : 89. 1880.

A climbing shrub.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tiruchchirappalli, Tirunelveli.

Mussaenda frondosa L. Sp. Pl. 177. 1753; Hook. f. Fl. Brit. India 3 : 89. 1880; Gamble, Fl. Pres. Madras 2 : 430. 1957 (repr. ed.).

A straggling shrub, in hilly regions.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli. E.

Mussaenda glabrata (Hook. f.) Hutchinson ex Gamble, Fl. Pres. Madras 610. 1921 & 2 : 430. 1957 (repr. ed.). *M. frondosa* L. var. *glabrata* Hook. f. Fl. Brit. India 3 : 90. 1880.

Tamil: *Vellaiyilai*, *Vellimadandai*.

A climbing shrub.

Distrib.: Coimbatore, Madurai, Nilgiri (Jayaweera 1963), Tiruchchirappalli (RHT), Tirunelveli. E.

Mussaenda hirsutissima (Hook. f.) Hutchinson ex Gamble, Fl. Pres. Madras 610. 1921 & 2 : 430. 1957 (repr. ed.). *M. frondosa* L. var. *hirsutissima* Hook. f. Fl. Brit. India 3 : 90. 1880.

A large, climbing shrub, in ghats at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Mussaenda tomentosa Wight ex Wall. in G. Don, Gen. Syst. 3 : 491. 1834; Hook. f. Fl. Brit. India 3 : 88. 1880; Gamble, Fl. Pres. Madras 2 : 430. 1957 (repr. ed.).

A straggling shrub.

Distrib.: South Arcot, Tirunelveli.

Mycetia acuminata (Wight) Kuntze, Rev. Gen. Pl. 1 : 289. 1891; Gamble, Fl. Pres. Madras 2 : 431. 1957 (repr. ed.). *Lawia acuminata* Wight, Ic. t. 1070. 1846. *Adenosacme lawii* Hook. f. Fl. Brit. India 3 : 96. 1880.

A small shrub as forest undergrowth.

Distrib.: Nilgiri, Tirunelveli. R.

Nauclea orientalis (L.) L. Sp. Pl. ed. 2. 1: 243. 1762; Gamble, Fl. Pres. Madras 2 : 411. 1957 (repr. ed.). *Gephalanthus orientalis* L. Sp. Pl. 95. 1753. *Sarcocephalus cordatus* (Roxb.) Miq. Fl. Ind. Bat. 2 : 133. 1856; Hook. f. Fl. Brit. India 3 : 22. 1880. *Nauclea cordata* Roxb. Fl. Ind. 2 : 118. 1824.

Tamil: *Attuvanji*.

A large tree, planted.

Distrib.: "Madras" (Gamble 1957). E.

Neanotis calycina (Wall. ex Hook. f.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 37. 1966. *Anotis calycina* Wall. ex Hook. f. Fl. Brit. India 3 : 73. 1880; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

A slender, annual, glabrous herb.

Distrib.: Madurai (Gupta 1960).

Neanotis decipiens (Hook. f.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 37. 1966. *Anotis decipiens* Hook. f. Fl. Brit. India 3 : 72. 1880; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

A slender perennial, rooting at lower nodes, in hills.

Distrib.: Madurai (Gamble 1957), Tirunelveli.

Neanotis indica (DC.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 38. 1966, var. *indica*. *Putoria indica* DC. Prodr. 4: 577. 1830. *Anotis leschenaultiana* (Wall. ex Wight & Arn.) Hook. f. Fl. Brit. India 3 : 72. 1880; Fyson, Fl. South Indian Hill St. 2 : t. 221. 1932; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.). *Hedyotis leschenaultiana* Wall. ex Wight & Arn. Prodr. 411. 1834.

A tufted perennial with stems rooting at nodes, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Neanotis indica (DC.) W.H. Lewis var. *affinis* (Wall. ex Wight & Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 39. 1966. *Hedyotis affinis* Wall. ex Wight & Arn. Prodr. 411. 1834; Wight, Ic. t. 1030. 1845. *Anotis leschenaultiana* (Wall. ex Wight & Arn.) Hook. f. var. *affinis* (Wall. ex Wight & Arn.) Hook. f. Fl. Brit. India 3 : 72. 1880; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

A herb, at higher altitudes.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Neanotis indica (DC.) W.H. Lewis var. *deltoides* (Wall. ex Wight & Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 39. 1966. *Hedyotis deltoides* Wall. ex Wight & Arn. Prodr. 410. 1834. *Anotis leschenaultiana* (Wall. ex Wight & Arn.) Hook. f. var. *deltoides* (Wall. ex Wight & Arn.) Hook. f. Fl. Brit. India 3 : 72. 1880; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

A herb, at higher elevations.

Distrib.: Madurai (CAL), Nilgiri, Salem. R.

Neanotis longiflora (Hutchinson) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 39. 1966. *Anotis longiflora* Hutchinson in Kew Bull. 1916: 35. 1916; Fyson, Fl. South Indian Hill St. 2 : t. 222. 1932; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

An erect perennial, in margins of sholas.

Distrib.: Madurai, Tiruchchirappalli (RHT). E.

Neanotis monosperma (Wall. ex Wight & Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 39. 1966, var. *monosperma*. *Hedyotis monosperma* Wall. ex Wight & Arn. Prodr. 410. 1834; Wight, Ic. t. 1031. 1845. *Anotis monosperma* (Wall. ex Wight & Arn.) Hook. f. Fl. Brit. India 3 : 75. 1880; Gamble, Fl. Pres. Madras 2 : 427. 1957 (repr. ed.).

A slender herb in shady places of sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Neanotis monosperma (Wall. ex Wight & Arn.) W.H. Lewis var. *tirunelvelica* Henry & Chandrase in Bull. Bot. Surv. India 17 : 188. 1975 (1978).

A slender herb, in hills.

Distrib.: Tirunelveli. O. R. +.

Neanotis nummularia (Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 39. 1966. *Hedyotis nummularia* Arn. Pugill. Pl. Ind. Or. 23. 1836. *Anotis nummularia* (Arn.) Benth. & Hook. f. ex Hook. f. Fl. Brit. India 3 : 75. 1880; Henry in Sci. & Cult. 31 : 376. ff. 1-8. 1965.

A herb, in hills.

Distrib.: Tirunelveli. R.

Neanotis rheedei (Wall. ex Wight & Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 40. 1966. *Hedyotis rheedei* Wall. ex Wight & Arn. Prodr. 409. 1834. *Anotis rheedei* (Wall. ex Wight & Arn.)

Hook. f. Fl. Brit. India 3 : 73. 1880; Gamble, Fl. Pres. Madras 2 : 426. 1957 (repr. ed.).

A slender herb.

Distrib.: Coimbatore (CAL). R.

Neanotis richardiana (Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 40. 1966. *Hedyotis richardiana* Arn. Pugill. Pl. Ind. Or. 22. 1836. *Anotis richardiana* (Arn.) Hook. f. Fl. Brit. India 3 : 75. 1880.

A perennial herb.

Distrib.: Nilgiri (CAL). R.

Neanotis tubulosa (G. Don) Mabberley in Manilal, Bot. Hist. Hort. Malab. 92. 1980. *Oldenlandia tubulosa* G. Don, Gen. Syst. 3 : 531. 1834 p.p. *Anotis quadrilocularis* (Thw.) Hook. f. Fl. Brit. India 3 : 74. 1880; Gamble, Fl. Pres. Madras 2 : 427. 1957 (repr. ed.). *Hedyotis quadrilocularis* Thw. Enum. Pl. Zeyl. 144. 1859; Bedd. Ic. t. 28. 1868 1874. *Neanotis quadrilocularis* (Thw.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 40. 1966.

An erect herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (UCT).

Neanotis wightiana (Wall. ex Wight & Arn.) W.H. Lewis in Ann. Missouri Bot. Gard. 53 : 40. 1966. *Hedyotis wightiana* Wall. ex Wight & Arn. Prodr. 410. 1834. *Anotis wightiana* (Wall. ex Wight & Arn.) Hook. f. Fl. Brit. India 3 : 75. 1880; Fyson, Fl. South Indian Hill St. 2 : t. 223. 1932; Gamble, Fl. Pres. Madras 2 : 427. 1957 (repr. ed.).

A small, villous herb, in wet places at higher elevations.

Distrib.: Madurai, Nilgiri. R.

Neolamarekia cadamba (Roxb.) Bosser in Adansonia ser. 4. 6 : 247. 1984. *Nauclea cadamba* Roxb. Fl. Ind. 2 : 121. 1824.

Anthocephalus cadamba (Roxb.) Miq. Fl. Ind. Bat. 2 : 135. 1856; Hook. f. Fl. Brit. India 3 : 23. 1880. *A. indicus* A. Rich. Mem. Rubiac. 157. 1830; Gamble, Fl. Pres. Madras 2 : 411. 1957 (repr. ed.).

Tamil: *Arattam, Indulam, Vellacadambu.*

A large deciduous tree, in lower hills, sometimes cultivated.

Distrib.: Nilgiri, Tiruchchirappalli (RHT). E.

Neonauclea purpurea (Roxb.) Merr. Interpr. Rumph. Herb. Amboin. 483. 1917; Gamble, Fl. Pres. Madras 2 : 412. 1957 (repr. ed.). *Nauclea purpurea* Roxb. Pl. Cor. t. 54. 1796; Hook. f. Fl. Brit. India 3 : 26. 1880.

A small tree, in hills.

Distrib.: Coimbatore (CAL, FRC), Nilgiri. E.

Neurocalyx calycinus (R.Br. ex Benn.) Robins. in Proc. Amer. Acad. Arts 45 : 402. 1910. *Argostemma calycinum* R. Br. ex Benn. Pl. Jav. Rar. 97. 1838 (before June 30). *Neurocalyx hookeriana* Wight, Ic. t. 52. 1838 (September). *N. wightii* Arn. in Ann. Nat. Hist. ser. 1. 3 : 22. 1839; Hook. f. Fl. Brit. India 3 : 47. 1880; Gamble, Fl. Pres. Madras 2 : 417. 1957 (repr. ed.).

A woody-stemmed herb, in moist places of evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Nostolachma crassifolia (Gamble) Deb & Lahiri in Bull. Bot. Surv. India 17: 162. 1975 (1978). *Coffea crassifolia* Gamble in Kew Bull. 1920 : 248. 1920 & Fl. Pres. Madras 2 : 449. 1957 (repr. ed.).

A stiff shrub with thick branches, in hills.

Distrib.: Coimbatore. R. +.

Ochreinauclea missionis (Wall. ex G. Don) Ridsdale in *Blumea* 24 : 332. 1978. *Nauclea missionis* Wall. ex G. Don, *Gen. Syst.* 3 : 467. 1834; Hook. f. *Fl. Brit. India* 3 : 27. 1880; Gamble, *Fl. Pres. Madras* 2 : 411. 1957 (repr. ed.).

A small tree, often along river banks.

Distrib.: Kanniyakumari. R.

Octotropis travancorica Bedd. *Fl. Sylv.* t. 327. 1873; Hook. f. *Fl. Brit. India* 3 : 131. 1880; Gamble, *Fl. Pres. Madras* 2 : 442. 1957 (repr. ed.).

A pretty shrub or small tree, in moist evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. R.

Ophiorrhiza barberi Gamble in *Kew Bull.* 1919 : 406. 1919 & *Fl. Pres. Madras* 2 : 428. 1957 (repr. ed.).

An erect, slender undershrub, in hills.

Distrib.: Coimbatore. R.

Ophiorrhiza brunonis Wight & Arn. *Prodr.* 404. 1834; Hook. f. *Fl. Brit. India* 3 : 79. 1880; Fyson, *Fl. South Indian Hill St.* 2 : t. 225. 1932; Gamble, *Fl. Pres. Madras* 2 : 428. 1957 (repr. ed.).

An erect undershrub, as undergrowth in sholas.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri.

Ophiorrhiza eriantha Wight, *Ic.* t. 1067. 1846; Hook. f. *Fl. Brit. India* 3 : 81. 1880; Gamble, *Fl. Pres. Madras* 2 : 429. 1957 (repr. ed.).

An erect undershrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Ophiorrhiza grandiflora Wight, *Ic.* t. 1069. 1846; Hook. f. *Fl. Brit. India* 3 : 80. 1880; Gamble, *Fl. Pres. Madras* 2 : 429. 1957 (repr. ed.).

An erect undershrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Ophiorrhiza hirsutula Wight ex Hook. f. *Fl. Brit. India* 3 : 81. 1880; Gamble, *Fl. Pres. Madras* 2 : 429. 1957 (repr. ed.). *O. brunonis* Wight & Arn. var. *hirsutior* Wight ex Hook. f. *Fl. Brit. India* 3 : 80. 1880.

An undershrub as forest undergrowth.

Distrib.: Coimbatore, Nilgiri.

Ophiorrhiza incarnata Fischer in *Kew Bull.* 1938 : 124. 1938.

Distrib.: Nilgiri (Fischer 1938). O. R. +.

Ophiorrhiza mungos L. *Sp. Pl.* 150. 1753; Hook. f. *Fl. Brit. India* 3 : 77. 1880; Gamble, *Fl. Pres. Madras* 2 : 428. 1957 (repr. ed.).

Tamil: *Kirippundu*, *Kirippurandan*, *Sadaichi*.

A herbaceous undershrub, in hills and evergreen forests at lower levels.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tirunelveli. E.

Ophiorrhiza pectinata Arn. in *Nova Acta Phys. Med. Acad. Caes. Leop. - Carol. Nat. Cur.* 18 : 338. 1836; Hook. f. *Fl. Brit. India* 3 : 81. 1880; Gamble, *Fl. Pres. Madras* 2 : 429. 1957 (repr. ed.).

An erect undershrub, in ghats.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Ophiorrhiza pykarensis Gamble in *Kew Bull.* 1919 : 407. 1919 & *Fl. Pres. Madras* 2 : 428. 1957 (repr. ed.).

An erect, slender undershrub, in hills.

Distrib.: Nilgiri (CAL). O. R. +.

Ophiorrhiza roxburghiana Wight, *Ic.* t. 1068. 1846; Hook. f. *Fl. Brit. India*

3 : 81. 1880; Gamble, Fl. Pres. Madras 2 : 429. 1957 (repr. ed.).

An erect undershrub, in ghats.

Distrib.: Madurai, Tirunelveli. R.

Ophiorrhiza rugosa Wall. var. *argentea* (Hook. f.) Deb & Mondal in Bull. Bot. Surv. India 24 : 228. 1982 (1983). *O. harrisiana* Heyne var. *argentea* Hook. f. Fl. Brit. India 3 : 78. 1880.

A herb with ovate or narrowly lanceolate leaves which are usually white beneath.

Distrib.: Nilgiri (Hook. f. 1880).

Ophiorrhiza rugosa Wall. var. *merguensis* (Hook. f.) Deb & Mondal in Bull. Bot. Surv. India 24 : 228. 1982 (1983). *O. harrisiana* Heyne var. *merguensis* Hook. f. Fl. Brit. India 3 : 78. 1880.

A herb with very tomentose cymes and corolla.

Distrib.: Nilgiri (Hook. f. 1880).

Ophiorrhiza rugosa Wall. var. *prostrata* (D. Don) Deb & Mondal in Bull. Bot. Surv. India 24 : 228. 1982 (1983). *O. prostrata* D. Don, Prodr. Fl. Nep. 136. 1825 p.p.; Sant. & Merch. in Bull. Bot. Surv. India 3 : 109. 1961. *O. harrisiana* Heyne ex G. Don, Gen. Syst. 3 : 523. 1834; Wight, Ic. t. 1162. 1846, "harrisonii"; Hook. f. Fl. Brit. India 3 : 78. 1880; Gamble, Fl. Pres. Madras 2 : 428. 1957 (repr. ed.).

A low herbaceous plant as forest undergrowth.

Distrib.: Coimbatore (FRC), Kanniyakumari, Madurai, Nilgiri (Hook. f. 1880), Tirunelveli (PCM, UCT).

Ophiorrhiza tirunelvelica Henry & Subram. in Bull. Bot. Surv. India 12 : 277. ff. 1-7. 1970 (1972).

A much-branched, decumbent herb.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Oxyceros rugulosus (Thw.) Tirvengadam in Nord. J. Bot. 3 : 466. 1983, var. *rugulosus*. *Griffithia rugulosa* Thw. Enum. Pl. Zeyl. 159. 1859. *Randia rugulosa* (Thw.) Bedd. For. Man. Bot. 133. 1871; Hook. f. Fl. Brit. India 3 : 113. 1880; Gamble, Fl. Pres. Madras 2 : 435. 1957 (repr. ed.). *Aidia rugulosa* (Thw.) Swamin. in Biol. Mem. 2 (1 & 2) : 67. 1977.

A large, climbing shrub of hilly regions with stout, pendulous branches.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Oxyceros rugulosus (Thw.) Tirvengadam var. *speciosus* (Bedd.) Kumari ined. *Griffithia speciosa* Bedd. Ic. t. 37. 1868 1874. *Randia rugulosa* (Thw.) Hook. f. var. *speciosa* (Bedd.) Hook. f. Fl. Brit. India 3 : 113. 1880; Gamble, Fl. Pres. Madras 2 : 435. 1957 (repr. ed.). *Aidia rugulosa* (Thw.) Swamin. var. *speciosa* (Bedd.) Swamin. in Biol. Mem. 2 (1 & 2) : 67. 1977.

A climbing shrub, in hills.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Tirunelveli.

Pavetta blanda Bremek. in Feddes Repert. 37 : 94. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.). *P. indica* L. var. *minor* Hook. f. Fl. Brit. India 3 : 150. 1880 p.p. *P. breviflora* DC. var. *subcoriacea* Gamble, Fl. Pres. Madras 634. 1921 & 2 : 447. 1957 (repr. ed.).

A glabrous shrub, in evergreen forests.

Distrib.: Madurai (Gamble 1957), Tirunelveli.

Pavetta breviflora DC. Prodr. 4 : 491. 1830, var. *breviflora*; Wight, Ic. t. 1035. 1845; Hook. f. Fl. Brit. India 3 : 151.

1880; Gamble, Fl. Pres. Madras 2 : 447. 1957 (repr. ed.).

A pretty shrub, in sholas.

Distrib.: Kanniyakumari, Madurai (CAL), Nilgiri.

Pavetta breviflora DC. var. *ciliolata* Gamble ex Bremek. in Feddes Rept. 37 : 98. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub, in higher elevations.

Distrib.: Nilgiri. R.

Pavetta breviflora DC. var. *glaberrima* Bremek. in Feddes Rept. 37 : 98. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Nilgiri. R.

Pavetta breviflora DC. var. *pubescens* Bremek. in Feddes Rept. 37 : 98. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Madurai and Nilgiri (Fischer 1957).

Pavetta breviflora DC. var. *subcoriacea* Gamble, Fl. Pres. Madras 634. 1921 & 2 : 447. 1957 (repr. ed.).

A pretty shrub.

Distrib.: Tirunelveli (Gamble 1957).

Pavetta brunonis Wall. ex G. Don, Gen. Syst. 3 : 575. 1834; Hook. f. Fl. Brit. India 3 : 152. 1880; Fischer in Gamble, Fl. Pres. Madras 3 : 1301. 1957 (repr. ed.).

A softly tomentose shrub, in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Pavetta calophylla Bremek. in Feddes Rept. 37 : 90. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1299. 1957 (repr. ed.).

A glabrous herb.

Distrib.: Nilgiri (Fischer 1957). R.

Pavetta crassiuscula Bremek. in Feddes Rept. 37 : 112. 1934.

Distrib.: "Madras" (Sebastine 1962). R.

Pavetta hispidula Wight & Arn. Prodr. 431. 1834; Hook. f. Fl. Brit. India 3 : 151. 1880; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Pavetta hohenackeri Bremek. in Feddes Rept. 37 : 98. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A glabrous shrub.

Distrib.: Nilgiri (Fischer 1957), Tiruchchirappalli (RHT).

Pavetta indica L. Sp. Pl. 110. 1753, var. *indica*; Wight, Ic. t. 148. 1839; Hook. f. Fl. Brit. India 3 : 150. 1880; Fischer in Gamble, Fl. Pres. Madras 3 : 1301. 1957 (repr. ed.).

Tamil: *Araniya*, *Karanai*, *Pavattai*.

A small tree or large shrub with pretty white flowers.

Distrib.: All districts. E.

Pavetta indica L. var. *minor* Hook. f. Fl. Brit. India 3 : 150. 1880; Gamble, Fl. Pres. Madras 2 : 447. 1957 (repr. ed.).

A small tree or large shrub with lanceolate or narrowly obovate leaves.

Distrib.: Madurai, Tirunelveli (Gamble 1957).

Pavetta indica L. var. *montana* Thw. ex Hook. f. Fl. Brit. India 3 : 150. 1880; Gamble, Fl. Pres. Madras 2 : 446. 1957 (repr. ed.).

A small tree.

Distrib.: Madurai, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Pavetta laeta Bremek. in Feddes Repert. 37 : 82. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1299. 1957 (repr. ed.). *P. indica* sensu Hook. f. Fl. Brit. India 3 : 150. 1880 p.p., non L. 1753.

A glabrous shrub.

Distrib.: Madurai and Nilgiri (Fischer 1957).

Pavetta praecox Bremek. in Feddes Repert. 37 : 114. 1934.

Distrib.: "Madras" (Sebastine 1962). R.

Pavetta praeterita Bremek. in Feddes Repert. 37 : 92. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub.

Distrib.: Tirunelveli (Fischer 1957). R.

Pavetta thomsonii Bremek. in Feddes Repert. 37 : 99. 1934, var. **thomsonii**; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A glabrous shrub.

Distrib.: "Carnatic" (Fischer 1957). R.

Pavetta thomsonii Bremek. var. **puberula** Bremek. in Feddes Repert. 37 : 99. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub, inflorescence puberulous.

Distrib.: Tirunelveli (Fischer 1957). R.

Pavetta tomentosa Roxb. ex J.E. Smith in Rees, Cyclop. 26 : n. 52. 1813; Fischer in Gamble, Fl. Pres. Madras 3 : 1301. 1957 (repr. ed.). *P. indica* L. var. **tomentosa** (Roxb. ex J.E. Smith) Hook. f. Fl. Brit. India 3 : 150. 1880.

A small tree.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli.

Pavetta wightii Hook. f. Fl. Brit. India 3 : 152. 1880; Fischer in Gamble, Fl. Pres. Madras 3 : 1300. 1957 (repr. ed.).

A shrub with prominently glandular leaves, in hills.

Distrib.: Coimbatore, Nilgiri.

Pavetta zeylanica (Hook. f.) Gamble, Fl. Pres. Madras 633. 1921 & 2 : 447. 1957 (repr. ed.) p.p., var. **zeylanica**. *P. hispidula* Wight & Arn. var. **zeylanica** Hook. f. Fl. Brit. India 3 : 151. 1880.

A large shrub with oblong leaves.

Distrib.: Tirunelveli (Gamble 1957).

Pavetta zeylanica (Hook. f.) Gamble var. **puberula** Bremek. in Feddes Repert. 37 : 90. 1934; Fischer in Gamble, Fl. Pres. Madras 3 : 1299. 1957 (repr. ed.).

A large shrub, in hills.

Distrib.: Tirunelveli.

Pleiocraterium verticillare (Wight & Arn.) Bremek. in Meded. Bot. Mus. Herb. Rijks. Univ. Utrecht 56 : 440. 1939. *Hedyotis verticillaris* Wight & Arn. Prodr. 409. 1834; Wight, Ic. t. 1029. 1845; Hook. f. Fl. Brit. India 3 : 56. 1880. *Oldenlandia verticillaris* (Wight & Arn.) Kuntze, Rev. Gen. Pl. 1 : 293. 1891; Gamble, Fl. Pres. Madras 2 : 423. 1957 (repr. ed.).

A remarkable species, with a large, rosette of leaves, often stemless and flat on ground, at high altitudes, often near peat bogs.

Distrib.: Nilgiri. R.

Psilanthus wightianus (Wight & Arn.) J. Leroy in Adansonia 3 : 252. 1981. *Coffea wightiana* Wight & Arn. Prodr. 436. 1834; Wight, Ic. t. 1598. 1850; Hook.

f. Fl. Brit. India 3 : 154. 1880; Gamble, Fl. Pres. Madras 2 : 449. 1957 (repr. ed.).

A branched, thorny shrub, near the foot of ghats on dry lands.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Psychotria anamallayana Bedd. Ic. t. 236. 1868 1874; Hook. f. Fl. Brit. India 3 : 171. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Coimbatore, Tirunelveli. R.

Psychotria barberi Gamble in Kew Bull. 1920 : 248. 1920 & Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A shrub, in hills; leaves black when dry.

Distrib.: Coimbatore. R. +.

Psychotria beddomi Deb & Gang. in J. Econ. Tax. Bot. 5 : 478. 1984.

A shrub or small tree.

Distrib.: Tirunelveli.

Psychotria bisulcata Wight & Arn. Prodr. 434. 1834; Wight, Ic. t. 1039. 1845; Hook. f. Fl. Brit. India 3 : 171. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A large shrub, in sholas.

Distrib.: Nilgiri. E. R.

Psychotria connata Wall. in Roxb. Fl. Ind. 2 : 163. 1824; Hook. f. Fl. Brit. India 3 : 171. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.). *P. laevigata* Wight & Arn. Prodr. 433. 1834; Wight, Ic. t. 828. 1844 1845.

A glabrous shrub, in evergreen forests.

Distrib.: Kanniyakumari, Ramanathapuram, Tirunelveli.

Psychotria elongata (Wight) Hook. f. Fl. Brit. India 3 : 163. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.). *Grumilea elongata* Wight, Ic. t. 1036. 1845.

A large shrub, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Psychotria flavida Talbot, Trees & Shrubs Bombay 113. 1894; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A small shrub.

Distrib.: Tirunelveli.

Psychotria globicephala Gamble in Kew Bull. 1920 : 249. 1920 & Fl. Pres. Madras 2 : 451. 1957 (repr. ed.).

A shrub with globose flower heads.

Distrib.: Tirunelveli. O. R. +.

Psychotria johnsonii Hook. f. Fl. Brit. India 3 : 175. 1880; Gamble, Fl. Pres. Madras 2 : 451. 1957 (repr. ed.).

A glabrous shrub.

Distrib.: Coimbatore (CAL), Nilgiri. R.

Psychotria macrocarpa Hook. f. Fl. Brit. India 3 : 162. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A large shrub, in hills.

Distrib.: Tirunelveli (PCM). R.

Psychotria nigra (Gaertn.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 152. 1931. *Grumilea nigra* Gaertn. Fruct. 1 : 138. t. 28. 1788. *Psychotria thwaitesii* Hook. f. Fl. Brit. India 3 : 162. 1880; Gamble, Fl. Pres. Madras 2 : 451. 1957 (repr. ed.).

A glabrous shrub, in damp forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Psychotria nilgiriensis Deb & Gang. in Taxon 31 : 546. 1982, var. *nilgiriensis*.

P. congesta (Wight & Arn.) Hook. f. Fl. Brit. India 3 : 162. 1880, non Spreng. ex DC. 1830; Gamble, Fl. Pres. Madras 2 : 451. 1957 (repr. ed.). *Grumilea congesta* Wight & Arn. Prodr. 432. 1834; Wight, Ic. t. 1037. 1845.

A large shrub or small tree, in hills at higher altitudes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Psychotria nilgiriensis var. *astephana* (Hook. f.) Deb & Gang. in Taxon 31 : 546. 1982. *P. congesta* (Wight & Arn.) Hook. f. var. *astephana*; Hook. f. Fl. Brit. India 3 : 162. 1880; Gamble, Fl. Pres. Madras 2 : 451. 1957 (repr. ed.).

A large shrub or small tree.

Distrib.: Madurai. R.

Psychotria nudiflora Wight & Arn. Prodr. 434. 1834, var. *nudiflora*; Hook. f. Fl. Brit. India 3 : 175. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A large, glabrous shrub, in ghats.

Distrib.: Kanniyakumari, Tirunelveli.

Psychotria nudiflora Wight & Arn. var. *latifolia* Deb & Gang. in Bull. Bot. Surv. India 25 : 215. 1983 (1985).

A shrub, with di- or trichotomous branchlets.

Distrib.: Kanniyakumari, Tirunelveli.

Psychotria octosulcata Talbot in J. Bombay Nat. Hist. Soc. 11 : 237. t. 7. 1897; Gamble, Fl. Pres. Madras 2 : 453. 1957 (repr. ed.).

An erect shrub, in ghats.

Distrib.: Coimbatore (CAL), Nilgiri, Tiruchchirappalli.

Psychotria sarmentosa Blume, Bijdr. 964. 1826 1827; Wight, Ic. t. 1038. 1845; Hook. f. Fl. Brit. India 3 : 165.

1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.).

A climber, in ghats.

Distrib.: Coimbatore. R.

Psychotria subintegra (Wight & Arn.) Hook. f. Fl. Brit. India 3 : 162. 1880; Gamble, Fl. Pres. Madras 2 : 452. 1957 (repr. ed.). *Grumilea subinteger* Wight & Arn. Prodr. 432. 1834.

A large shrub, in damp forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli (HIFP).

Psychotria truncata Wall. in Roxb. Fl. Ind. 2 : 162. 1824; Hook. f. Fl. Brit. India 3 : 163. 1880; Gamble, Fl. Pres. Madras 2 : 451. 1957 (repr. ed.).

A large, handsome shrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri.

Richardia brasiliensis Gomes, Mem. Ipecac. Bras. 31. t. 2. 1801; Oliver in Brittonia 26 : 276. 1974.

Annuals often becoming perennials; stems commonly prostrate.

Distrib.: Coimbatore, Nilgiri, Salem, Tirunelveli.

Richardia scabra L. Sp. Pl. 330. 1753.

A weed, in hills.

Distrib.: Kanniyakumari.

Rubia cordifolia L. Mant. Pl. 197. 1771; Hook. f. Fl. Brit. India 3 : 202. 1881; Gamble, Fl. Pres. Madras 2 : 462. 1957 (repr. ed.). *R. munjista* Roxb. Fl. Ind. 1 : 374. 1820; Wight, Ic. t. 187. 1839.

Tamil: *Manjiti*, *Shevelli*.

A climbing, scabrous herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli, Tirunelveli. E.

Saprosma corymbosum (Bedd.) Bedd. For. Man. Bot. 134/12. 1872; Hook. f. Fl. Brit. India 3 : 194. 1881; Gamble, Fl. Pres. Madras 2 : 458. 1957 (repr. ed.). *Serissa corymbosa* Bedd. Ic. t. 17. 1868 1874.

A shrub, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. R.

Saprosma foetens (Wight) K. Schum. in Engler & Prantl. Pflanzenf. 4(4) : 122. 1891. *Lasianthus foetens* Wight in Calcutta J. Nat. Hist. 6 : 517. 1846. *Saprosma ceylanicum* (Gard.) Bedd. For. Man. Bot. 134/12. 1872; Hook. f. Fl. Brit. India 3 : 193. 1881; Gamble, Fl. Pres. Madras 2 : 458. 1957 (repr. ed.). *Dysodidendron ceylanica* Gard. in Calcutta J. Nat. Hist. 7 : 2. 1847. *Sertissa wightii* Bedd. Ic. t. 15. 1868 1874.

A shrub, in sholas.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Saprosma fragrans (Bedd.) Bedd. For. Man. Bot. 134/11. 1872; Hook. f. Fl. Brit. India 3 : 193. 1881; Gamble, Fl. Pres. Madras 2 : 458. 1957 (repr. ed.). *Serrisa fragrans* Bedd. Ic. t. 14. 1868 1874.

A shrub, in hilly regions.

Distrib.: Nilgiri (CAL), Tirunelveli (Gamble 1957). R.

Saprosma glomeratum (Gard.) Bedd. For. Man. Bot. 134/11. 1872. *Dysodidendron glomeratum* Gard. in Calcutta J. Nat. Hist. 7 : 3. 1847. *Saprosma indicum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 37. 1851; Hook. f. Fl. Brit. India 3 : 192. 1880; Gamble, Fl. Pres. Madras 2 : 457. 1957 (repr. ed.). *Serrissa glomerata* (Gard.) Bedd. Ic. t. 16. 1868 1874.

A shrub, in evergreen forests.

Distrib.: Coimbatore (FRC), Nilgiri. R.

Scyphiphora hydrophyllacea Gaertn. f. Fruct. 3 : 91. t. 196. 1805; Hook. f. Fl. Brit. India 3 : 125. 1880; Gamble, Fl. Pres. Madras 2 : 438. 1957 (repr. ed.).

A small tree, in mangrove swamps.

Distrib.: Tamilnadu (Wealth of India 1972). E. R.

Spermacoce decandollei Deb & Dutta in J. Econ. Tax. Bot. 5 : 1044. 1984. *Borreria repens* DC. Prodr. 4 : 542. 1830, non Sesse & Moc. 1892, nec Larranaga & Larranaga 1923.

An annual herb.

Distrib.: Coimbatore, Madurai and Nilgiri (Deb & Dutta 1984).

Spermacoce hispida L. Sp. Pl. 102. 1753; Hook. f. Fl. Brit. India 3 : 200. 1881; Verdc. in Kew Bull. 30: 307. 1975. *Borreria hispida* (L.) K. Schum. in Engler & Prantl, Pflanzenf. 4(4) : 144. 1891, non Spruce ex K. Schum. 1888; Gamble, Fl. Pres. Madras 2 : 461. 1957 (repr. ed.). *B. articularis* (L. f.) F. Williams in Bull. Herb. Boissier ser. 2. 5 : 946. 1905. *Spermacoce articularis* L. f. Suppl. Pl. 119. 1781.

Tamil: *Nattaichuri*, *Nuttichoori*.

A hispid, procumbent herb.

Distrib.: All districts.

Spermacoce ocymoides Burm. f. Fl. Ind. 34. t. 13. f. 1. 1768, var. *ocymoides*; Hook. f. Fl. Brit. India 3 : 200. 1881. *Borreria ocymoides* (Burm. f.) DC. Prodr. 4 : 544. 1830; Gamble, Fl. Pres. Madras 2 : 461. 1957 (repr. ed.).

A branched herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Spermacoce ocymoides Burm. f. var. *thekkumalensis* (Sivarajan & Joseph)

Kumari ined. *Borreria ocymoides* (Burm. f.) DC. var. *thekkumalensis* Sivarajan & Joseph in New Botanist 6 : 133. 1979.

A diffuse herb.

Distrib.: Tirunelveli (Sivarajan & Joseph 1979).

Spermacoce pusilla Wall. in Roxb. Fl. Ind. 1 : 379. 1820; Verdc. in Fl. Trop. East Africa (Rubiaceae) 356. 1976. *S. stricta* sensu Hook. f. Fl. Brit. India 3 : 200. 1881, non L. f. 1781. *Borreria stricta* sensu Gamble, Fl. Pres. Madras 654. 1921, non (L. f.) K. Schum. 1891, nec G. F.W. Meyer 1818. *B. pusilla* (Wall.) DC. Prodr. 4 : 543. 1830; Hemadri in Indian Forester 106 : 720. 1890.

An erect herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, Tiruchchirappalli.

Tamilnadia uliginosa (Retz.) Tirven-gadum & Sastre in Mauritius Inst. Bull. 8(4) : 85. 1979. *Gardenia uliginosa* Retz. Obs. Bot. 2 : 14. 1781. *Randia uliginosa* (Retz.) DC. Prodr. 4 : 386. 1830; Wight, Ic. t. 397. 1840; Hook. f. Fl. Brit. India 3 : 110. 1880; Gamble, Fl. Pres. Madras 2 : 434. 1957 (repr. ed.). *Xeromphis uliginosa* (Retz.) Mahesh. in Bull. Bot. Surv. India 3 : 92. 1961.

Tamil: *Wagatta*, *Vargarai*.

A small, deciduous tree, in open forests.

Distrib.: Nilgiri (PCM), North Arcot (HIFP), Tirunelveli (PCM).

Tarenna alpestris (Wight) Balakr. in Bull. Bot. Surv. India 22 : 175. 1980 (1982). *Coffea alpestris* Wight, Ic. t. 1040. 1845. *C. grumelioides* Wight, Ic. t. 1041. 1845. *Webera lucens* Hook. f. Fl. Brit. India 3 : 106. 1880. *Stylocoryne lucens* (Hook. f.) Gamble, Fl. Pres. Madras 635. 1921 & 2 : 448. 1957 (repr. ed.).

A bushy shrub, in hills.

Distrib.: Kanniyakumari, Nilgiri, North Arcot (FRC), Tiruchchirappalli (FRC), Tirunelveli.

Tarenna asiatica (L.) Kuntze ex K. Schum. in Bot. Tidsskr. 24 : 332. 1902, var. *asiatica*. *Rondeletia asiatica* L. Sp. Pl. 172. 1753. *Webera corymbosa* Willd. Sp. Pl. 1 : 1224. 1798; Hook. f. Fl. Brit. India 3 : 102. 1880. *Chomelia asiatica* (L.) Kuntze, Rev. Gen. Pl. 1 : 278. 1891; Gamble, Fl. Pres. Madras 2 : 432. 1957 (repr. ed.). *Stylocoryne webera* A. Rich. in Mem. Soc. Hist. Nat. Paris 5 : 248. 1834; Wight, Ic. t. 309. 1840 & t. 584. 1842.

Tamil: *Kura*.

A large shrub with shining leaves turning black when dry.

Distrib.: All districts. E.

Tarenna asiatica (L.) Kuntze ex K. Schum. var. *asiatica* forma *rigida* (Wight) Raju in Sci. & Cult. 32 : 554. 1966. *Stylocoryne rigida* Wight, Ic. t. 1064. 1846. *Chomelia asiatica* (L.) Kuntze var. *rigida* (Wight) Gamble, Fl. Pres. Madras 613. 1921 & 2 : 432. 1957 (repr. ed.).

A small-leaved form, in sholas.

Distrib.: Madurai (Gamble 1957), Nilgiri, Tirunelveli (Gamble 1957). R.

Tarenna asiatica (L.) Kuntze ex K. Schum. var. *montana* (Thw.) Raju in Sci. & Cult. 32 : 554. 1966. *Stylocoryne webera* A. Rich. var. *montana* Thw. Enum. Pl. Zeyl. 158. 1859. *Chomelia asiatica* (L.) Kuntze var. *montana* (Thw.) Gamble, Fl. Pres. Madras 613. 1921 & 2 : 432. 1957 (repr. ed.).

A shrub, in sholas.

Distrib.: Coimbatore (Gamble 1957), Kanniyakumari (UCT), Madurai, Nilgiri (CAL). R.

Tarenna canarica (Bedd.) Bremek. in Feddes Repert. 37 : 189. 1934. *Pavetta*

canarica Bedd. For. Man. Bot. 134/8. 1872. *Webera canarica* (Bedd.) Hook. f. Fl. Brit. India 3: 106. 1880. *Stylacoryne canarica* (Bedd.) Gamble, Fl. Pres. Madras 635. 1921 & 2 : 448. 1957 (repr. ed.).

A handsome shrub, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. R.

Tarenna monosperma (Wight & Arn.) Raju in Sci. & Cult. 32 : 554. 1966. *Stylacoryne monosperma* Wight & Arn. Prodr. 401. 1834; Wight, Ic. t. 317. 1840; Gamble, Fl. Pres. Madras 2 : 448. 1957 (repr. ed.). *Webera monosperma* (Wight & Arn.) Hook. f. Fl. Brit. India 3 : 103. 1880.

A shrub, in ghats.

Distrib.: Coimbatore (CAL), Tirunelveli (Gamble 1957) R.

Tarenna nilagirica (Bedd.) Bremek. in Feddes Repert. 37 : 200. 1934. *Pavetta nilagirica* Bedd. For. Man. Bot. 134/8. 1872. *Webera nilagirica* (Bedd.) Hook. f. Fl. Brit. India 3 : 106. 1880. *Stylacoryne nilagirica* (Bedd.) Gamble, Fl. Pres. Madras 635. 1921 & 2 : 448. 1957 (repr. ed.).

A shrub, in sholas and evergreen forests.

Distrib.: Nilgiri. R.

Thecagonum biflorum (L.) Babu in Bull. Bot. Surv. India 11 : 214. 1969 (1971). *Oldenlandia biflora* L. Sp. Pl. 119. 1753; Hook. f. Fl. Brit. India 3 : 70. 1880; Gamble, Fl. Pres. Madras 2 : 425. 1957 (repr. ed.). *O. paniculata* L. Sp. Pl. ed. 2. 2 : 1667. 1763; Hook. f. Fl. Brit. India 3 : 69. 1880.

A diffuse, almost succulent weed.

Distrib.: Almost all districts.

Thecagonum ovatifolium (Cav.) Babu in Bull. Bot. Surv. India 11 : 214. 1969 (1971). *Hedyotis ovatifolia* Cav. Ic. 6 : 52.

1801. *Oldenlandia nudicaulis* Roth, Nov. Pl. Sp. 95. 1821; Hook. f. Fl. Brit. India 3 : 70. 1880; Gamble, Fl. Pres. Madras 2 : 425. 1957 (repr. ed.). *Hedyotis nudicaulis* (Roth) Wight & Arn. Prodr. 416. 1834; Bedd. Ic. t. 34. 1868 1874.

A herb, in forest undergrowth.

Distrib.: Coimbatore and Madurai (Gamble 1957). R.

Thecagonum pteritum (Blume) Babu in Bull. Bot. Surv. India 11 : 214. 1969 (1971). *Hedyotis pterita* Blume, Bijdr. 972. 1826. *Oldenlandia alata* auct. non Koen. 1834; Hook. f. Fl. Brit. India 3 : 70. 1880; Gamble, Fl. Pres. Madras 2 : 425. 1957 (repr. ed.).

A stout weed, mostly in plains.

Distrib.: Chengalpattu, Coimbatore, (Gamble 1957), Tiruchchirappalli.

Tricalysia apiocarpa (Dalz.) Gamble, Fl. Pres. Madras 620. 1921 & 2 : 437. 1957 (repr. ed.). *Discospermum apiocarpum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 257. 1850; Bedd. Ic. t. 40. 1868 1874. *Diplospora apiocarpa* (Dalz.) Bedd. Fl. Sylv. t. 223. 1872; Hook. f. Fl. Brit. India 3 : 123. 1880.

A small tree, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Tricalysia sphaerocarpa (Dalz.) Gamble, Fl. Pres. Madras 620. 1921 & 2 : 437. 1957 (repr. ed.). *Discospermum sphaerocarpum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 257. 1850. *Diplospora sphaerocarpa* (Dalz.) Bedd. For. Man. Bot. 134/3. 1872 excl. syn.; Hook. f. Fl. Brit. India 3 : 123. 1880.

A small tree, in hills.

Distrib.: Tirunelveli (Gamble 1957). E. R.

Uncaria sessilifructus Roxb. Fl. Ind. 2 : 128. 1824; Hook. f. Fl. Brit. India

3 : 30. 1880; Gamble, Fl. Pres. Madras 2 : 414. 1957 (repr. ed.).

A large climber.

Distrib.: "Madras" (Ridsdale 1978). R.

Urophyllum ceylanicum (Wight) Thw. Enum. Pl. Zeyl. 418. 1864, "zeylanicum"; Hook. f. Fl. Brit. India 3 : 98. 1880; Gamble, Fl. Pres. Madras 2 : 432. 1957 (repr. ed.). *Axanthes ceylanica* Wight in Calcutta J. Nat. Hist. 7 : 146. 1847 & Ic. t. 1163. 1848.

A shrub, in hills.

Distrib.: Coimbatore. R.

Vangueria edulis Vahl. Symb. Bot. 3 : 36. 1794; Gamble, Fl. Pres. Madras 2 : 442. 1957 (repr. ed.).

Cultivated.

Wendlandia angustifolia Wight ex Hook. f. Fl. Brit. India 3 : 40. 1880; Gamble, Fl. Pres. Madras 2 : 415. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Tirunelveli.

Wendlandia thyrsoides (Schultes) Steud. Nomencl. ed. 2. 2 : 786. 1841. *Canthium thyrsoides* Schultes in Roem. & Schultes, Syst. 6 : 207. 1820. *Wendlandia notoniana* Wall. ex Wight & Arn. Prodr. 403. 1834; Wight, Ic. t. 1033. 1845; Hook. f. Fl. Brit. India 3 : 40. 1880; Gamble, Fl. Pres. Madras 2 : 415. 1957 (repr. ed.).

Tamil: *Kadamban*, *Velleithalachedi*.

A small tree with fragrant flowers, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli. E.

Wendlandia tinctoria DC. Prodr. 4 : 411. 1830; Bedd. Fl. Sylv. t. 130. 1871; Hook. f. Fl. Brit. India 3 : 38. 1880; Gamble, Fl. Pres. Madras 2 : 415. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: North Arcot (Gamble 1957). R.

VALERIANACECE

V. CHITHRA

Valeriana arnottiana Wight, Ic. tt. 1045 & 1046. 1845; Gamble, Fl. Pres. Madras 2 : 463. 1957 (repr. ed.). *V. hardwickii* Wall. var. *arnottiana* (Wight) Clarke in Hook. f. Fl. Brit. India 3 : 313. 1881.

A tall herb with large panicles of white flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Valeriana beddomei Clarke in Hook. f. Fl. Brit. India 3 : 214. 1881; Gamble, Fl. Pres. Madras 2 : 464. 1957 (repr. ed.).

A herb with oblong, radical leaflets and numerous small, linear, cauline leaflets

Distrib.: Coimbatore, Madurai.

Valeriana hookeriana Wight & Arn. Prodr. 444. 1834; Wight, Ill. 2 : t. 129. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 214. 1881; Gamble, Fl. Pres. Madras 2 : 463. 1957 (repr. ed.).

A pubescent herb with white flowers in compact corymbs.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Valeriana leschenaultii DC. Prodr. 4 : 640. 1830; Wight, Ic. t. 1044. 1845; Clarke in Hook. f. Fl. Brit. India 3 : 214. 1881 incl. var. *brunoniana*; Gamble, Fl. Pres. Madras 2 : 463. 1957 (repr. ed.).

A large perennial herb, usually on margins of shola forests.

Distrib.: Coimbatore (Fischer 1921), Nilgiri. E.

Valeriana moonii Arn. ex Clarke in Hook. f. Fl. Brit. India 3 : 213. 1881.

A perennial herb with numerous, small, sessile flowers.

Distrib.: Coimbatore (Fischer 1921).

DIPSACACEAE

V. CHITHRA

Dipsacus leschenaultii Coult. in DC. Prodr. 4 : 647. 1830; Wight, Ill. 2 : t. 130. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 218. 1881; Gamble, Fl. Pres. Madras 2 : 464. 1957 (repr.ed.).

An erect herb with stout rootstock; flowers creamy white in terminal, branched, paniced heads.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Scabiosa atropurpurea L. Sp. Pl. 100. 1753.

A branched herb; flowers dark purple, rose or white, in long-peduncled heads; cultivated. E.

COMPOSITAE

V. CHANDRASEKARAN

Acanthospermum hispidum DC. Prodr. 5 : 522. 1836; Gamble, Fl. Pres. Madras 2 : 495. 1957 (repr. ed.).

An introduced herb, now naturalized.

Distrib.: Almost all districts.

Achillea millefolium L. Sp. Pl. 899. 1753; Hook. f. Fl. Brit. India 3 : 312. 1881.

A herb, in higher altitudes.

Distrib.: Nilgiri. E.

Adenoon indicum Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 344. 1850; Hook. f. Fl. Brit. India 3 : 229. 1881; Gamble, Fl. Pres. Madras 2 : 470. 1957 (repr. ed.).

A rigid herb with broadly obovate, serrate leaves and purple flowers.

Distrib.: Tirunelveli (Gamble 1957).

Adenostemma lavenia (L.) Kuntze, Rev. Gen. Pl. 1 : 304. 1891, var. **lavenia**; Gamble, Fl. Pres. Madras 2 : 476. 1957 (repr. ed.). *Verbesina lavenia* L. Sp. Pl. 902. 1753. *Adenostemma viscosum* Forst. Char. Gen. 90. t. 45. 1776; Hook. f. Fl. Brit. India 3 : 242. 1881 p.p.

An erect, sticky herb, in damp forests and along streams.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli. E.

Adenostemma lavenia (L.) Kuntze var. **madurensis** (DC.) Panigrahi in Kew Bull. 30 : 654. 1975. *A. madurensis* DC. in Wight, Contrib. 9. 1834. *A. viscosum* Forst. var. *reticulatum* sensu Hook. f. Fl. Brit. India 3 : 242. 1881 p.p. quoad syn. *A. macrophyllum* sensu Koster in Blumea 1 : 474. 1935 p.p., non DC. 1836.

A herb, in moist situations in forests.

Distrib.: Madurai (Panigrahi 1975).

Adenostemma lavenia (L.) Kuntze var. **reticulatum** (DC.) Panigrahi in Kew Bull. 30 : 654. 1975. *A. reticulatum* DC. in Wight, Contrib. 8. 1834; Wight, Ic. t. 1088. 1846; Fischer in Gamble, Fl. Pres. Madras 3 : 1301. 1957 (repr. ed.). *A. viscosum* Forst. var. *reticulatum* (DC.) Clarke, Comp. Ind. 30. 1876; Hook. f. Fl. Brit. India 3 : 243. 1881 p.p.

A herb in moist forests.

Distrib.: Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli (Panigrahi 1975).

Adenostemma lavenia (L.) Kuntze var. **rugosum** (DC.) Ram Lal in Bull. Bot. Surv. India 9 : 262. 1968; Panigrahi in Kew Bull. 30 : 651. 1975. *A. rugosum* DC. in Wight, Ic. t. 1087. 1846, non D. Don 1825. *A. viscosum* Forst. var. *rugosum* (DC.) Clarke, Comp. Ind. 29. 1876; Hook. f. Fl. Brit. India 3 : 243. 1882.

A herb with ovate, coriaceous leaves; achenes densely warted.

Distrib.: Madurai (Panigrahi 1975).

Ageratina adenophora (Spreng.) R. King & H. Robinson in *Phytologia* 19 : 211. 1970; Rani & Matthew in *Matthew, Fl. Tamilnadu Carnatic* 3 : 760. 1983. *Eupatorium adenophorum* Spreng. *Syst. Veg.* 3 : 420. 1826. *E. glandulosum* Kunth in *H.B.K. Nov. Gen. Sp.* 4 : 122. t. 346. 1820; Fyson, *Fl. South Indian Hill St.* 2 : t. 316. 1932.

A perennial, branched, spreading herb or undershrub.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981).

Ageratum conyzoides L. *Sp. Pl.* 839. 1753; Hook. f. *Fl. Brit. India* 3 : 243. 1881; Fyson, *Fl. South Indian Hill St.* 2 : t. 256. 1932; Gamble, *Fl. Pres. Madras* 2 : 476. 1957 (repr. ed.).

Tamil: *Pumppillu*.

A softly hairy annual weed, usually in damp places and in forest undergrowth both in plains and hills.

Distrib.: Most of the districts. E.

Ageratum houstonianum Mill. *Gard. Dict. ed.* 8. n. 2. 1768; Fischer in *Gamble, Fl. Pres. Madras* 3 : 1302. 1957 (repr. ed.).

A densely pubescent, annual herb.

Distrib.: Coimbatore (Giri & Majumdar 1983), Madurai, Nilgiri, Salem (Matthew 1981).

Amberboa ramosa (Roxb.) Jafri in *Scientist (Karachi)* 3 : 29. 1958. *Carduus ramosus* Roxb. *Fl. Ind.* 3 : 407. 1832. *Tricholepis procumbens* Wight, *Ic. t.* 1139. 1846. *Volutarella divaricata* Benth. in *Benth. & Hook. f. Gen. Pl.* 2 : 476. 1873; Hook. f. *Fl. Brit. India* 3 : 383. 1881; Gamble, *Fl. Pres. Madras* 2 : 511. 1957 (repr. ed.).

A stiff, straggling herb, on dry stony ground and sandy river banks.

Distrib.: Coimbatore, North Arcot, Ramanathapuram, Tiruchchirappalli. E.

Anaphalis aristata DC. *Prodr.* 6 : 274. 1838; Wight, *Ic. t.* 1119. 1846; Hook. f. *Fl. Brit. India* 3 : 285. 1881; Gamble, *Fl. Pres. Madras* 2 : 489. 1957 (repr. ed.).

A strong smelling, viscid herb with woody rootstock, in higher altitudes.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli.

Anaphalis beddomei Hook. f. *Fl. Brit. India* 3 : 282. 1881; Gamble, *Fl. Pres. Madras* 2 : 489. 1957 (repr. ed.).

An undershrub, on the downs in higher altitudes.

Distrib.: Coimbatore (FRC), Madurai.

Anaphalis bournei Fyson in *Kew Bull.* 1914 : 209. 1914 & *Fl. South Indian Hill. St.* 2 : t. 275. 1932; Gamble, *Fl. Pres. Madras* 2 : 490. 1957 (repr. ed.).

A much-branched, low bush in higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Anaphalis brevifolia DC. *Prodr.* 6 : 273. 1838; Hook. f. *Fl. Brit. India* 3 : 286. 1881; Fischer in *Rec. Bot. Surv. India* 9 (1) : 101. 1921.

A herb, in hills.

Distrib.: Coimbatore (Fischer 1921), Madurai (Balasubramanian 1972).

Anaphalis busua (Buch. Ham. ex D. Don) DC. *Prodr.* 6 : 275. 1838. *Gnaphalium busuum* Buch. - Ham. ex D. Don, *Prodr. Fl. Nep.* 173. 1825. *Anaphalis araneosa* DC. *Prodr.* 6 : 275. 1838; Hook. f. *Fl. Brit. India* 3 : 283. 1881; Fischer in *Rec. Bot. Surv. India* 9(1) : 101. 1921.

A herb, at higher altitudes.

Distrib.: Coimbatore (Fischer 1921).

Anaphalis elliptica DC. Prodr. 6 : 274. 1838; Wight, Ic. t. 1118. 1846; Gamble, Fl. Pres. Madras 2 : 489. 1957 (repr. ed.). *A. oblonga* DC. var. *elliptica* (DC.) Hook. f. Fl. Brit. India 3 : 283. 1881.

A soft, very white-woolly herb, at higher altitudes.

Distrib.: Coimbatore, Madurai (Balasubramanian 1972), Nilgiri.

Anaphalis lawii (Hook. f.) Gamble, Fl. Pres. Madras 696. 1921 & 2 : 489. 1957 (repr. ed.). *A. oblonga* DC. var. *lawii* Hook. f. Fl. Brit. India 3 : 283. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 272. 1932.

A variable, very white and tall herb.

Distrib.: Coimbatore, Madurai, Nilgiri (Gamble 1957), Ramanathapuram, Salem (Matthew 1981), Tirunelveli (Gamble 1957).

Anaphalis leptophylla (DC.) DC. Prodr. 6 : 273. 1838; Hook. f. Fl. Brit. India 3 : 285. 1881; Gamble, Fl. Pres. Madras 2 : 490. 1957 (repr. ed.). *Helichrysum leptophyllum* DC. in Wight, Contrib. 20. 1834.

A very slender herb, in damp places on the downs at higher altitudes.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Anaphalis marcescens (Wight) Clarke, Comp. Ind. 110. 1876; Hook. f. Fl. Brit. India 3 : 286. 1881; Gamble, Fl. Pres. Madras 2 : 489. 1957 (repr. ed.). *Gnaphalium marcescens* Wight, Ic. t. 1115. 1856.

A graceful, small herb, on banks of streams at higher altitudes.

Distrib.: Madurai (Balasubramanian 1972), Nilgiri.

Anaphalis meeboldii W.W. Smith in Rec. Bot. Surv. India 4 : 284. 1911; Gamble, Fl. Pres. Madras 2 : 490. 1957 (repr. ed.).

A much-tufted, woody plant, in grassy hills at higher altitudes.

Distrib.: Coimbatore, Nilgiri.

Anaphalis neelgerryana (Sch. Bip. ex DC.) DC. Prodr. 6 : 272. 1838; Wight, Ic. t. 478. 1841; Hook. f. Fl. Brit. India 3 : 287. 1881; Gamble, Fl. Pres. Madras 2 : 490. 1957 (repr. ed.). *Gnaphalium neelgerrianum* Sch. Bip. ex DC. in Wight, Contrib. 21. 1834.

A low, much-branched shrub, usually on dry slopes and in rocky places at higher altitudes.

Distrib.: Coimbatore, Nilgiri. E.

Anaphalis notoniana (DC.) DC. Prodr. 6 : 273. 1838; Wight, Ic. t. 1116. 1846; Hook. f. Fl. Brit. India 3 : 284. 1881; Gamble, Fl. Pres. Madras 2 : 489. 1957 (repr. ed.). *Helichrysum notonianum* DC. in Wight, Contrib. 20. 1834.

A pretty herb with yellow or pink bracts and tawny tomentum, at higher altitudes.

Distrib.: Nilgiri.

Anaphalis subdecurrens (DC.) Gamble, Fl. Pres. Madras 695. 1921 & 2 : 489. 1957 (repr. ed.). *Gnaphalium subdecurrens* DC. in Wight, Contrib. 21. 1834. *Anaphalis oblonga* DC. Prodr. 6 : 274. 1838; Hook. f. Fl. Brit. India 3 : 283. 1881 p.p.

A variable herb, in grasslands and on the downs.

Distrib.: Almost all districts.

Anaphalis travancorica W.W. Smith in Rec. Bot. Surv. India 4 : 284. 1911; Gamble, Fl. Pres. Madras 2 : 489. 1957 (repr. ed.).

A large herb somewhat shrubby at base with large flower heads, at higher altitudes.

Distrib.: Madurai.

Anaphalis wightiana (DC.) DC. Prodr. 6 : 273. 1838; Wight, Ic. t. 1117. 1846; Hook. f. Fl. Brit. India 3 : 286. 1881; Gamble, Fl. Pres. Madras 2 : 490. 1957 (repr. ed.). *Gnaphalium wightianum* DC. in Wight, Contrib. 21. 1834.

An erect herb with woody rootstock, in cool places and on banks of streams at higher altitudes.

Distrib.: Madurai, Nilgiri, Salem (PCM), Tirunelveli (CAL).

Artemisia nilagirica (Clarke) Pamp. in Nuovo. Giorn. Bot. Ital. 33 : 452. 1926. *A. vulgaris* L. var. *nilagirica* Clarke, Comp. Ind. 162. 1876. *A. indica* sensu Wight, Ic. t. 1112. 1846, non Willd. 1803. *A. vulgaris* auct. non L. 1753; Hook. f. Fl. Brit. India 3 : 325. 1881; Gamble, Fl. Pres. Madras 2 : 502. 1957 (repr. ed.).

Tamil: *Machipatri*.

A tall, aromatic shrub near villages and old cultivated lands.

Distrib.: Almost all districts. E.

Artemisia pallens Wall. ex DC. Prodr. 6 : 120. 1838.

Tamil: *Davanam*.

An aromatic annual, cultivated. E.

Artemisia parviflora Buch. - Ham. ex D. Don, Prodr. Fl. Nep. 181. 1825; Hook. f. Fl. Brit. India 3 : 322. 1881; Gamble, Fl. Pres. Madras 2 : 501. 1957 (repr. ed.). *A. glabrata* DC. in Wight, Contrib. 20. 1834; Wight, Ic. t. 1111. 1846.

A shrubby perennial shrub, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Tirunelveli.

Artemisia sieversiana Ehrh. ex Willd. Sp. Pl. 3 : 1845. 1803; Hook. f. Fl. Brit. India 3 : 329. 1881.

Tamil: *Marikkohundu*.

A herb, cultivated. E.

Aster amellus L. Sp. Pl. 873. 1753.

A herbaceous perennial, cultivated in gardens. E.

Aster cordifolius L. Sp. Pl. 875. 1753.

A perennial much-branched herb, introduced in gardens.

Aster rotundifolius Thunb. Prodr. Pl. Cap. 160. 1800.

A herb, cultivated in gardens.

Bidens pilosa L. var. *minor* (Blume) Sherff in Bot. Gaz. 80 : 387. 1925; Dakshini & Prithipal Singh in Proc. Indian Acad. Sci. (Plant Sci.) 93 : 172. 1984.

A herb in moist and shaded places.

Distrib.: Coimbatore, Madurai, Nilgiri and Tirunelveli (Dakshini & Prithipal Singh 1984).

Bidens triplinervia H.B.K. var. *macrantha* (Wedd.) Sherff in Bot. Gaz. 80 : 383. 1925. *B. humilis* H.B.K. var. *macrantha* Wedd. Chlor. And. 1 : 69. 1856. *B. humilis* H.B.K. Nov. Gen. Sp. 4 : 182. 1820; Fyson, Fl. South Indian Hill St. 2 : t. 170. 1932; Gamble, Fl. Pres. Madras 2 : 499. 1957 (repr. ed.).

A pretty, yellow-flowered herb found along roadsides

Distrib.: Nilgiri.

Blainvillea acmella (L.) Philipson in Blumea 6 : 350. 1950. *Verbesina acmella* L. Sp. Pl. 901. 1753. *Blainvillea latifolia* (L. f.) DC. in Wight, Contrib. 17. 1834; Hook. f. Fl. Brit. India 3 : 305. 1881.

Eclipta latifolia L. f. Suppl. Pl. 378. 1781. *Blainvillea rhomboidea* Cass. in F. Cuvier, Dict. Sci. Nat. 29 : 494. 1823; Gamble, Fl. Pres. Madras 2 : 496. 1957 (repr. ed.).

A rigid, scabrous herb, in fields and waste places.

Distrib.: Almost all districts.

Blepharispermum petiolare DC. in Wight, Contrib. 12. 1834; Wight, Ic. t. 1092. 1846; Hook. f. Fl. Brit. India 3 : 276. 1881; Gamble, Fl. Pres. Madras 2 : 487. 1957 (repr. ed.).

A glabrous shrub with grey bark.

Distrib.: Kanniyakumari, Ramanathapuram, Tirunelveli.

Blepharispermum subsessile DC. in Wight, Contrib. 12. 1834; Wight, Ic. t. 1093. 1846; Hook. f. Fl. Brit. India 3 : 276. 1881; Gamble, Fl. Pres. Madras 2 : 487. 1957 (repr. ed.).

An erect shrub, in hills.

Distrib.: Coimbatore, Nilgiri.

Blumea alata (D. Don) DC. Prodr. 5 : 488. 1836; Wight, Ic. t. 1101. 1846; Grierson in Ceylon J. Sci., Biol. Sci. 11 : 12. 1974. *Erigeron alatum* D. Don, Prodr. Fl. Nep. 171. 1825. *Laggera alata* (D. Don.) Sch. - Bip. ex Oliver in Trans. Linn. Soc. London 29 : 94. 1873; Hook. f. Fl. Brit. India 3 : 271. 1881; Gamble, Fl. Pres. Madras 2 : 485. 1957 (repr. ed.).

A stout, leafy herb.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, Salem (PCM), Tiruchchirappalli, Tirunelveli. E.

Blumea aurita (L. f.) DC. in Wight, Contrib. 16. 1834. *Conyza aurita* L. f. Suppl. Pl. 367. 1781. *Laggera aurita* (L. f.) Benth. ex Clarke, Comp. Ind. 92. 1876; Hook. f. Fl. Brit. India 3 : 271. 1881;

Gamble, Fl. Pres. Madras 2 : 485. 1957 (repr. ed.).

A slender, viscidly pubescent herb.

Distrib.: Chengalpattu, Coimbatore, Salem, Tiruchchirappalli (RHT). E.

Blumea barbata DC. in Wight, Contrib. 14. 1834; Hook. f. Fl. Brit. India 3 : 262. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.).

A slender, silky herb, at lower elevations.

Distrib.: Madurai (PCM), Nilgiri, Tirunelveli (Gamble 1957).

Blumea belangeriana DC. Prodr. 5 : 444. 1836; Hook. f. Fl. Brit. India 3 : 226. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore (CAL), Nilgiri.

Blumea bifoliata (L.) DC. in Wight, Contrib. 14. 1834; Hook. f. Fl. Brit. India 3 : 261. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.). *Conyza bifoliata* L. Sp. Pl. 862 : 1753.

A bushy herb, in dry places.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, North Arcot, Ramanathapuram, Salem, South Arcot, Thanjavur (Randeria 1960), Tiruchchirappalli, Tirunelveli (UCT).

Blumea clarkei Hook. f. Fl. Brit. India 3 : 267. 1881. *B. malabarica* Hook. f. Fl. Brit. India 3 : 267. 1881; Gamble, Fl. Pres. Madras 2 : 484. 1957 (repr. ed.).

A tall, erect herb, in hills.

Distrib.: Nilgiri, Tirunelveli.

Blumea eriantha DC. in Wight, Contrib. 15. 1834; Hook. f. Fl. Brit. India 3 : 266. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.).

A slender, erect herb.

Distrib.: Coimbatore (CAL, FRC).

Blumea fistulosa (Roxb.) Kurz in J. Asiat. Soc. Bengal 46 : 187. 1877. *Conyza fistulosa* Roxb. Fl. Ind. 3 : 429. 1832. *Blumea glomerata* DC. in Wight, Contrib. 15. 1834; Hook. f. Fl. Brit. India 3 : 262. 1881.

An erect herb, in hills, in open grasslands and along forest paths.

Distrib.: "Madras (CAL)" (Randeria 1960).

Blumea hieracifolia (D. Don) DC. in Wight, Contrib. 15. 1834, var. *hieracifolia*; Wight, Ic. t. 1099. 1846; Hook. f. Fl. Brit. India 3 : 263. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *Erigeron hieracifolium* D. Don, Prodr. Fl. Nep. 272. 1825.

A scapigerous herb, in wet places and along banks of streams at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri (CAL).

Blumea hieracifolia (D. Don) DC. var. *flexuosa* (Clarke) Randeria in Blumea 10 : 249. 1960. *B. flexuosa* Clarke, Comp. Ind. 86. 1876; Hook. f. Fl. Brit. India 3 : 267. 1881; Gamble, Fl. Pres. Madras 2 : 484. 1957 (repr. ed.).

A tall herb, at higher altitudes.

Distrib.: Coimbatore (Fischer 1921), Nilgiri.

Blumea hieracifolia (D. Don) DC. var. *hamiltonii* (DC.) Clarke, Comp. Ind. 82. 1876; Hook. f. Fl. Brit. India 3 : 263. 1881. *B. hamiltonii* DC. Prodr. 5 : 439. 1836.

A slender herb along roadsides, in grasslands and meadows in moist, shady places.

Distrib.: "Madras (GH)" (Randeria 1960).

Blumea hieracifolia (D. Don) DC. var. *macrostachya* (DC.) Hook. f. Fl. Brit. India 3 : 263. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *B. macrostachya* DC. Prodr. 5 : 442. 1836; Fyson, Fl. South Indian Hill St. 2 : t. 268. 1932.

A tall herb, at higher altitudes.

Distrib.: Madurai, Nilgiri (Gamble 1957), Tirunelveli.

Blumea lacera (Burm. f.) DC. in Wight, Contrib. 14. 1834; Hook. f. Fl. Brit. India 3 : 263. 1881. *Conyza lacera* Burm. f. Fl. Ind. 180. t. 59. f. 1. 1768. *Blumea lacera* (Burm. f.) DC. var. *glandulosa* (DC.) Hook. f. Fl. Brit. India 3 : 263. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *B. glandulosa* DC. in Wight, Contrib. 14. 1834.

Tamil: *Navakkarandai*.

A large, strong-smelling herb, at lower elevations.

Distrib.: Coimbatore (Fischer 1921), Chengalpattu, Kanniyakumari, Nilgiri, Thanjavur, Tiruchchirappalli (RHT); Salem and South Arcot (Matthew 1981). E.

Blumea lanceolaria (Roxb.) Druce in Bot. Soc. Exch. Club Brit. Isles 4 : 609. 1917. *Conyza lanceolaria* Roxb. Fl. Ind. 3 : 432. 1832. *Blumea spectabilis* DC. Prodr. 5 : 445. 1836; Hook. f. Fl. Brit. India 3 : 269. 1881; Gamble, Fl. Pres. Madras 2 : 484. 1957 (repr. ed.).

A tall shrub.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Blumea malcolmii (Clarke) Hook. f. Fl. Brit. India 3 : 266. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.). *Pluchea malcolmii* Clarke, Comp. Ind. 95. 1876.

A stout, highly turpentine-scented herb, on hill slopes.

Distrib.: Coimbatore (Fischer 1921), Madurai (FRC).

Blumea membranacea Wall. ex DC. Prodr. 5 : 440. 1836. var. **membranacea**; Hook. f. Fl. Brit. India 3 : 265. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *B. membranacea* Wall. ex DC. var. **gardneri** Hook. f. Fl. Brit. India 3 : 265. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.).

A tall, slender, much-branched herb, in forests and along streams.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Blumea membranacea Wall. ex DC. var. **jacquemontii** (Hook. f.) Randeria in *Blumea* 10 : 271. 1960. *B. jacquemontii* Hook. f. Fl. Brit. India 3 : 265. 1881; Gamble, Fl. Pres. Madras 2 : 484. 1957 (repr. ed.). *B. kingii* Clarke ex Hook. f. Fl. Brit. India 3 : 265. 1881.

A coarse-glandular herb, in shady localities in hills.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli (Matthew 1981).

Blumea mollis (D. Don) Merr. in Philipp. J. Sci. 5 : 395. 1910; *Randeria* in *Blumea* 10 : 261. 1960. *Erigeron molle* D. Don, Prodr. Fl. Nep. 172. 1825. *Blumea wightiana* DC. in Wight, Contrib. 14. 1834; Hook. f. Fl. Brit. India 3 : 261. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *B. neilgherrensis* Hook. f. Fl. Brit. India 3 : 261. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 266. 1932; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.).

An erect, strong-smelling herb, in hilly areas.

Distrib.: Almost all districts.

Blumea obliqua (L.) Druce in Bot. Soc. Exch. Club Brit. Isles 4 : 609. 1917; *Randeria* in *Blumea* 10 : 286. 1960.

Erigeron obliquum L. Mant. Pl. 573. 1771. *Blumea amplexens* DC. in Wight, Contrib. 13. 1834; Hook. f. Fl. Brit. India 3 : 260. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.). *B. amplexens* DC. var. **arenaria** Hook. f. Fl. Brit. India 3 : 260. 1881.

A small, annual herb, in comparatively dry localities on poor sandy soil or in swampy areas.

Distrib.: Almost all districts.

Blumea oxyodonta DC. in Wight, Contrib. 15. 1834; Hook. f. Fl. Brit. India 3 : 266. 1881; Gamble, Fl. Pres. Madras 2 : 482. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Nilgiri, Tiruchchirappalli (Matthew 1981).

Blumea virens Wall. ex DC. in Wight, Contrib. 14. 1834; Hook. f. Fl. Brit. India 3 : 264. 1881; Gamble, Fl. Pres. Madras 2 : 483. 1957 (repr. ed.). *B. membranacea* Wall. ex DC. var. **gardneri** Hook. f. Fl. Brit. India 3 : 265. 1881 p.p.

A tall, slender, glabrous herb, in hilly forest regions.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri; Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Blumeopsis flava (DC.) Gagnep. in Bull. Mus. Hist. Nat. (Paris) 26 : 76. 1920. *Blumea flava* DC. Prodr. 5 : 439. 1836. *Laggera flava* (DC.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 290. 1873; Hook. f. Fl. Brit. India 3 : 270. 1881; Gamble, Fl. Pres. Madras 2 : 485. 1957 (repr. ed.).

A herb, in hills.

Distrib.: Nilgiri (Sharma et al. 1977).

Caesulia axillaris Roxb. Pl. Cor. t. 93. 1798; Wight, Ic. t. 1102. 1846; Hook. f.

Fl. Brit. India 3 : 291. 1881; Gamble, Fl. Pres. Madras 2 : 494. 1957 (repr. ed.).

A prostrate or suberect herb, mostly in cultivated fields.

Distrib.: "Most plains Districts, especially on E. coast" (Gamble 1957).

Calendula officinalis L. Sp. Pl. 921. 1753; Hook. f. Fl. Brit. India. 3 : 357. 1881.

An erect, diffuse or procumbent much-branched herb; cultivated. E.

Carpesium cernuum L. var. *nilagiricum* Clarke, Comp. Ind. 131. 1876; Hook. f. Fl. Brit. India 3 : 301. 1881; Gamble, Fl. Pres. Madras 2 : 492. 1957 (repr. ed.). *C. nepalense* sensu Wight, Ic. t. 1120. 1846, non Less. 1831.

An erect herb, in sholas at higher altitudes.

Distrib.: Madurai (CAL), Nilgiri.

Carthamus tinctorius L. Sp. Pl. 830. 1753; Hook. f. Fl. Brit. India 3 : 386. 1881; Gamble, Fl. Pres. Madras 2 : 511. 1957 (repr. ed.).

Tamil: *Sendurakam*.

A glabrous shrub, on black cotton soil; cultivated. E.

Centaurea cyanus L. Sp. Pl. 911. 1753; Hook. f. Fl. Brit. India 3 : 384. 1881.

An erect annual, introduced in gardens. E.

Centipeda minima (L.) A. Braun & Asch. Index Sem. Hort. Berol. App. 6. 1867. *Artemisia minima* L. Sp. Pl. 849. 1753. *Centipeda orbicularis* Lour. Fl. Cochinch. 2 : 493. 1790; Hook. f. Fl. Brit. India 3 : 317. 1881; Gamble, Fl. Pres. Madras 2 : 477. 1957 (repr. ed.). *Dichrocephala schmidtii* Wight, Ic. t. 1610. 1850.

A diffuse, often prostrate herb, in wet places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, South Arcot, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981). E.

Chromolaena odorata (L.) King & Robinson in Phytologia 20 : 204. 1970. *Eupatorium odoratum* L. Syst. Nat. ed. 10. 1205. 1759; Hook. f. Fl. Brit. India 3 : 244. 1881.

An erect shrub, cultivated.

Chrysanthemum anethifolium Brouss. ex Willd. Enum. Pl. Hort. Berol. 904. 1809.

A perennial, cultivated in gardens. E.

Chrysanthemum cinerariifolium (Trev.) Vis. Fl. Dalmat. 2 : 88. t. 8. 1842 - 1852. *Pyrethrum cinerariifolium* Trev. Ind. Sem. Hort. Vratisl. App. 2 : 2. 1820.

A tufted, grey-pubescent herb.

Distrib.: Madurai, Nilgiri. E.

Chrysanthemum frutescens L. Sp. Pl. 887. 1753.

A glabrous, branched, dense shrub, cultivated in gardens. E.

Chrysanthemum indicum L. Sp. Pl. 889. 1753; Hook. f. Fl. Brit. India 3 : 314. 1881.

Tamil: *Akkarakkaram*.

An aromatic herb, cultivated in gardens.

Chrysanthemum parthenium Bernh. Syst. Verz. Erf. 145. 1800.

A herb, cultivated in gardens. E.

Cichorium endivia L. Sp. Pl. 813. 1753; Hook. f. Fl. Brit. India 3 : 391. 1881.

A herb, cultivated. E.

Cichorium intybus L. Sp. Pl. 813. 1753; Hook. f. Fl. Brit. India 3 : 391. 1881.

An erect or prostrate hispid herb, cultivated; the Chicory. E.

Cirsium wallichii DC. var. *wightii* (Hook. f.) Vivek. in Biol. Mem. 2 (1 & 2) : 77. 1977. *Cnicus wallichii* DC. var. *wightii* Hook. f. Fl. Brit. India 3 : 364. 1881; Gamble, Fl. Pres. Madras 2 : 510. 1957 (repr. ed.). *C. wallichii* sensu Fyson Fl. South Indian Hill St. 2 : t. 297. 1932, non DC. 1838. *Cirsium argyracanthum* Wight, Ic. tt. 1137 & 1138. 1846, non DC. 1838.

A tall thistle with very spinous leaves, on open downs at higher altitudes.

Distrib.: Madurai, Nilgiri.

Conyza aegyptiaca (L.) Ait. Hort. Kew. ed. 1. 3 : 183. 1789; Hook. f. Fl. Brit. India 3 : 258. 1881; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.). *Erigeron aegyptiacus* L. Mant. Pl. 112. 1767, "aegyptiacum".

A herb, in dry places in hills.

Distrib.: Coimbatore, Dharmapuri, Nilgiri.

Conyza bonariensis (L.) Cronquist in Bull. Torrey Bot. Club 70 : 632. 1943. *Erigeron bonariensis* L. Sp. Pl. 863. 1753. *E. linifolius* Willd. Sp. Pl. 3 : 1955. 1803; Hook. f. Fl. Brit. India 3 : 254. 1881. *Conyza ambigua* DC. Fl. Fr. 6 : 468. 1815; Fyson, Fl. South Indian Hill St. 2 : t. 264. 1932; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.).

An erect, soft villous herb, often on roadsides.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Ramana-thapuram, Salem, Tiruchchirappalli(RHT), Tirunelveli.

Conyza japonica (Thunb.) Less. Syn. Gen. Compos. 204. 1832; Hook. f. Fl. Brit. India 3 : 258. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 265. 1932; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.). *Erigeron japonicum* Thunb. Fl. Jap. 312. 1784.

A herb, in hills.

Distrib.: Coimbatore, Madurai (CAL), Nilgiri, Tiruchchirappalli, Tirunelveli.

Conyza leucantha (D. Don) Ludlow & Raven in Kew Bull. 17 : 71. 1963. *Erigeron leucanthum* D. Don, Prodr. Fl. Nep. 171. 1825. *Conyza viscidula* Wall. ex DC. Prodr. 5 : 383. 1836; Hook. f. Fl. Brit. India 3 : 258. 1881; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.).

A tall, much-branched viscid herb, in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Gamble 1957); Dharmapuri and Salem (Matthew 1981).

Conyza stricta Willd. Sp. Pl. 3 : 1922. 1803; Hook. f. Fl. Brit. India 3 : 258. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 263. 1932; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.).

A herb, in hills.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Ramana-thapuram, Salem.

Coreopsis grandiflora Nutt. ex Chapm. Fl. South U.S. 335. 1860.

A perennial herb, cultivated.

Cosmos caudatus Kunth in H.B.K. Nov. Gen. Sp. 4 : 188. 1820.

An erect branched herb, cultivated in gardens and found run wild.

Cosmos sulphureus Cav. Ic. 1 : 56. t. 79. 1791; Hook. f. Fl. Brit. India 3 : 310. 1881; Gamble, Fl. Pres. Madras 2 : 499. 1957 (repr. ed.).

An introduced herb, cultivated in gardens and often found run wild. E.

Cotula australis (Sieb. ex Spreng.) Hook. f. Fl. Nov. Zel. 1 : 128. 1852; Gamble, Fl. Pres. Madras 2 : 501. 1957

(repr. ed.). *Anacyclus australis* Sieb. ex Spreng. Syst. Veg. 3 : 497. 1826.

A small herb, naturalized in higher altitudes.

Distrib.: Madurai, Nilgiri, Salem. E.

Crassocephalum crepidioides (Benth.) S. Moore in J. Bot. 50 : 211. 1912; Nair & Srinivasan in J. Econ. Tax. Bot. 3 : 289-294. 1982. *Gynura crepidioides* Benth. in Hook. Niger Fl. 438. 1849. *Erechtites valerianifolia* sensu Fischer in Gamble, Fl. Pres. Madras 3 : 1302. 1957 (repr. ed.), non DC. 1838.

A stout, glabrous, erect, leafy annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli.

Cyathocline purpurea (Ham. ex D. Don) Kuntze, Rev. Gen. Pl. 1 : 333. 1891. *Tanacetum purpureum* Ham. ex D. Don, Prodr. Fl. Nep. 181. 1825. *Cyathocline lyrata* Cass. in Ann. Sci. Nat. (Paris) ser. 1. 17 : 420. 1829; Wight, Ic. t. 1098. 1846; Hook. f. Fl. Brit. India 3 : 246. 1881; Gamble, Fl. Pres. Madras 2 : 478. 1957 (repr. ed.).

A sweet-scented herb, in moist places on banks of streams and in rice fields at low levels.

Distrib.: Nilgiri. E.

Dahlia coccinea Cav. Ic. 3 : 33. t. 266. 1791.

A herb in high altitudes; cultivated. E.

Dahlia imperialis Roegel ex E. Ortgies in Gartenflora 12 : 243. tt. 407 & 408. 1863 & 56 : 22. 1907.

A branched, leafy shrub, naturalized in hill stations.

Dichrocephala bicolor (Roth) Schlecht. in Linnaea 25 : 209. 1852; Kitam. in Bot. Mag. (Tokyo) 55 : 343. 1941. *Cotula*

bicolor Roth, Cat. Bot. 2 : 116. 1800. *Dichrocephala latifolia* DC. in Arch. Bot. (Paris) 2 : 518. 1833 & in Wight, Contrib. 11. 1834; Wight, Ic. t. 1096. 1846; Hook. f. Fl. Brit. India 3 : 245. 1881; Gamble, Fl. Pres. Madras 2 : 477. 1957 (repr. ed.).

An annual herb, rooting at nodes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Dichrocephala chrysanthemifolia (Blume) DC. Prodr. 5 : 372. 1836; Wight, Ic. t. 1095. 1846; Hook. f. Fl. Brit. India 3 : 245. 1881; Gamble, Fl. Pres. Madras 2 : 477. 1957 (repr. ed.). *Cotula chrysanthemifolia* Blume, Bijdr. 918. 1826.

A herb, on open downs in high altitudes.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Dicoma tomentosa Cass. in Bull. Sci. Soc. Philom. Paris 1818 : 12. 1818; Hook. f. Fl. Brit. India 3 : 387. 1881; Gamble, Fl. Pres. Madras 2 : 512. 1957 (repr. ed.). *D. lanuginosa* DC. in Wight, Contrib. 26. 1834; Wight, Ic. t. 1140. 1846.

An erect, branched undershrub, in dry regions.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Dharmapuri, Ramanathapuram, Salem, Tiruchchirappalli (RHT), Tirunelveli. E.

Echinops echinatus Roxb. Fl. Ind. 3 : 447. 1832; Hook. f. Fl. Brit. India 3 : 358. 1881; Gamble, Fl. Pres. Madras 2 : 509. 1957 (repr. ed.).

A branched spreading annual, in fields, grasslands and in open forests and on roadsides.

Distrib.: Madurai, Salem; Dharmapuri and Tiruchchirappalli (Matthew 1981). E.

Eclipta prostrata (L.) L. Mant. Pl. 286. 1771; Koyama in Taxon 30 : 505. 1981.

Verbesina prostrata L. Sp. Pl. 902. 1753.
Eclipta alba (L.) Hassk. Pl. Jav. Rar. 528. 1848; Hook. f. Fl. Brit. India 3 : 304. 1881; Gamble, Fl. Pres. Madras 2 : 496. 1957 (repr. ed.). *Verbesina alba* L. Sp. Pl. 902. 1753.

Tamil: *Garuga*, *Kavanthakara*.

An annual, in waste places and on roadsides.

Distrib.: Almost all districts. E.

Elephantopus scaber L. Sp. Pl. 814. 1753; Wight, Ic. t. 1086. 1846; Hook. f. Fl. Brit. India 3 : 242. 1881; Gamble, Fl. Pres. Madras 2 : 476. 1957 (repr. ed.).

Tamil: *Anashovadi*.

A stiff subscapigerous herb.

Distrib.: Coimbatore (Fischer 1921), Kanniyakumari, Madurai, Nilgiri, Tirunelveli. E.

Emilia javanica (Burm. f.) C. Robinson in Philipp. J. Sci. 3 : 217. 1908. *Hieracium javanicum* Burm. f. Fl. Ind. 174. t. 57. f. 1. 1768. *Emilia flammea* Cass. in F. Cuvier, Dict. Sci. Nat. 24 : 406. t. 5. 1819; Hook. f. Fl. Brit. India 3 : 336. 1881; Gamble, Fl. Pres. Madras 2 : 503. 1957 (repr. ed.).

A stout herb, at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Emilia ramulosa Gamble in Kew Bull. 1921 : 120. 1921 & Fl. Pres. Madras 2 : 504. 1957 (repr. ed.).

A wiry subshrubby herb, at high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Emilia scabra DC. Prodr. 6 : 303. 1837; Wight, Ic. t. 1123. 1846; Gamble, Fl. Pres. Madras 2 : 503. 1957 (repr. ed.). *E. sonchifolia* (L.) DC. var. *scabra* (DC.) Hook. f. Fl. Brit. India 3 : 336. 1881.

A pubescent herb, at high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Pudukkottai (RHT), Salem, Tirunelveli.

Emilia sonchifolia (L.) DC. in Wight, Contrib. 24. 1834; Hook. f. Fl. Brit. India 3 : 336. 1881; Gamble, Fl. Pres. Madras 2 : 503. 1957 (repr. ed.). *Cacalia sonchifolia* L. Sp. Pl. 835. 1753.

A soft straggling herb.

Distrib.: Almost all districts. E.

Emilia zeylanica Clarke, Comp. Ind. 175. 1876, var. *zeylanica*; Hook. f. Fl. Brit. India 3 : 336. 1881; Gamble, Fl. Pres. Madras 2 : 504. 1957 (repr. ed.).

A slender herb, in hills.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Emilia zeylanica Clarke var. *paludosa* Gamble, Fl. Pres. Madras 716. 1921 & 2 : 504. 1957 (repr. ed.).

A slender herb, in swamps and wet places, at higher altitudes.

Distrib.: Madurai.

Epaltes divaricata (L.) Cass. in Bull. Sci. Soc. Philom. Paris 139. 1818; Hook. f. Fl. Brit. India 3 : 274. 1881; Gamble, Fl. Pres. Madras 2 : 486. 1957 (repr. ed.). *Ethulia divaricata* L. Mant. Pl. 110. 1767.

A small annual, in wet places in plains.

Distrib.: Chengalpattu, North Arcot, Pudukkottai, Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli. E.

Epaltes pygmaea DC. Prodr. 5 : 461. 1836; Hook. f. Fl. Brit. India 3 : 274. 1881; Gamble, Fl. Pres. Madras 2 : 486. 1957 (repr. ed.).

A herb.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai, Ramanathapuram, South Arcot, Tirunelveli.

Erechtites valerianifolia (Wolf) DC. Prodr. 6 : 294. 1838; Nair & Srinivasan in J. Econ. Tax. Bot. 3 : 289-294. 1982. *Senecio valerianifolia* Wolf, Ind. Sem. Hort. Berol. 1825.

An erect herb, at high altitudes.

Distrib.: Coimbatore (Fischer 1921), Ramanathapuram.

Erigeron alpinus L. var. *wightii* (DC.) Hook. f. Fl. Brit. India 3 : 255. 1881; Gamble, Fl. Pres. Madras 2 : 479. 1957 (repr. ed.). *E. wightii* DC. Prodr. 5 : 286. 1836; Wight, Ic. t. 1090. 1846.

An erect hispid herb, on the downs at high altitudes.

Distrib.: Nilgiri.

Erigeron canadensis L. Sp. Pl. 863. 1753; Hook. f. Fl. Brit. India 3 : 254. 1881; Gamble, Fl. Pres. Madras 2 : 479. 1957 (repr. ed.).

A branched, pubescent herb, at high altitudes.

Distrib.: Madurai (CAL), Nilgiri (CAL).

Erigeron karvinskianus DC. Prodr. 5 : 285. 1836; Grierson in Ceylon J. Sci., Biol. Sci. 10 : 52. 1972. *E. mucronatus* DC. Prodr. 5 : 285. 1836; Fyson, Fl. South Indian Hill. St. 2 : t. 262. 1932; Gamble, Fl. Pres. Madras 2 : 480. 1957 (repr. ed.).

A branched, spreading weed of way sides and river banks.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli. E.

Erigeron sublyratus DC. in Wight, Contrib. 9. 1834; Grierson in Notes Roy. Bot. Gard. Edinburgh 31 : 153.

1971. *E. asteroides* Roxb. Fl. Ind. 2 : 432. 1832, non Link 1822; Hook. f. Fl. Brit. India 3 : 254. 1881; Gamble, Fl. Pres. Madras 2 : 479. 1957 (repr. ed.). *E. hispidum* DC. in Wight, Contrib. 9. 1834.

A coarse, villous herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore (CAL & FRC), Dharmapuri (Matthew 1981), Madurai (CAL), Pudukkottai (RHT), Tirunelveli (UCT).

Eupatorium ianthinum Hemsl. in Biol. Centr. Arn. Bot. 2 : 96. 1881.

Somewhat shrubby plant, cultivated in gardens. E.

Eupatorium repandum Willd. Sp. Pl. 3 : 1767. 1803.

A herb.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

Filago arvensis L. Sp. Pl. 1199. 1753; Hook. f. Fl. Brit. India 3 : 277. 1881.

A small woolly herb.

Distrib.: Nilgiri.

Flaveria contrayerba Pers. Syn. 2 : 489. 1801; Fischer in Rec. Bot. Surv. India 9(1) : 102. 1921.

A herb, in hills.

Distrib.: Coimbatore (Fischer 1921).

Flaveria trinervia (Spreng.) C. Mohr in U.S.D.A. Contr. Nat. Herb. 6 : 810. 1901. *Oedera trinervia* Spreng. Bot. Gard. Halle 63. 1800. *Flaveria australasica* Hook. in Mitch. J. Exped. Trop. Austral. 118. 1848; Gamble, Fl. Pres. Madras 2 : 501. 1957 (repr. ed.).

A glabrous herb, often in muddy places on river banks in plains.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Salem (UCT), Tiruchchirappalli, Tirunelveli.

Gaillardia pulchella Foug. in Mem. Acad. Sci. (Paris) 1786 : 5. 1788; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 790. 1983. *G. bicolor* Lam. Encycl. 2 : 590. 1788 & Tabl. Encycl. 4 : t. 708. 1797.

A herb, planted or as an escape.

Galinsoga parviflora Cav. Ic. 3 : 41. t. 281. 1796; Hook. f. Fl. Brit. India 3 : 311. 1881; Gamble, Fl. Pres. Madras 2 : 500. 1957 (repr. ed.).

A glabrous herb, on roadsides and wastelands.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, Tiruchchirappalli. E.

Galinsoga quadriradiata Ruiz & Pavon, Syst. Veg. Fl. Peruv. Chil. 1 : 198. 1798; Matthew, Ill. Fl. Tamilnadu Carnatic t. 371. 1982. *G. ciliata* (Rafin.) Blake in Rhodora 24 : 35. 1922; Pandey in Bull. Bot. Surv. India 13 : 158. 1971. *Adventina ciliata* Rafin. New Fl. 1 : 67. 1836.

A weed in waste places and along roadsides in hills.

Distrib.: Salem.

Gerbera jamesonii Bolus ex Hook. f. in Bot. Mag. t. 7087. 1889.

A scapigerous herb, grown as an ornamental.

Glossocardia bosvallea (L.f.) DC. in Wight, Contrib. 19. 1834; Wight, Ic. t. 1110. 1846; Gamble, Fl. Pres. Madras 2 : 499. 1957 (repr. ed.). *Verbesina bosvallea* L. f. Suppl. Pl. 379. 1781. *Glossocardia linearifolia* Cass. in F. Cuvier, Dict. Sci. Nat. 19 : 62. 1821; Hook. f. Fl. Brit. India 3 : 308. 1881.

A pretty herb, in sandy places in dry areas.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Puduk-

kottai (RHT), Tiruchchirappalli (RHT); Salem and South Arcot (Matthew 1981). E.

Glossogyne bidens (Retz.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 168. 1931. *Zinnia bidens* Retz. Obs. Bot. 5 : 28. 1788. *Glossogyne pinnatifida* DC. in Wight, Contrib. 19. 1834; Hook. f. Fl. Brit. India 3 : 310. 1881; Gamble, Fl. Pres. Madras 2 : 499. 1957 (repr. ed.).

A herb with thick rootstock, on sandy soil.

Distrib.: Coimbatore, Dharmapuri, Nilgiri. E.

Gnaphalium hypoleucum DC. in Wight, Contrib. 21. 1834; Wight, Ic. t. 1114. 1846; Hook. f. Fl. Brit. India 3 : 288. 1881; Gamble, Fl. Pres. Madras 2 : 491. 1957 (repr. ed.).

An erect stout herb, at high altitudes.

Distrib.: Madurai, Nilgiri.

Gnaphalium luteo-album L. Sp. Pl. 851. 1753, subsp. *luteo-album*; Hook. f. Fl. Brit. India 3 : 288. 1881; Gamble, Fl. Pres. Madras 2 : 491. 1957 (repr. ed.).

An annual conspicuous weed, at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Gnaphalium luteo-album L. subsp. *pallidum* (Lam.) Mahesh. in J. Bombay Nat. Hist. Soc. 57 : 377. 1960. *G. pallidum* Lam. Dict. Encycl. 2 : 750. 1790. *G. luteo-album* L. var. *pallidum* (Lam.) Hook. f. Fl. Brit. India 3 : 288. 1881; Gamble, Fl. Pres. Madras 2 : 491. 1957 (repr. ed.).

A herb at higher altitudes.

Distrib.: Coimbatore, Nilgiri (CAL).

Gnaphalium pensylvanicum Willd. Enum. Pl. Hort. Berol. 867. 1809. *G. purpureum* auct. non L. 1753; Hook. f. Fl. Brit. India 3 : 289. 1881.

An annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981).

Gnaphalium polycaulon Pers. Syn. 2 : 421. 1807. *G. indicum* auct. non L. 1753; Hook. f. Fl. Brit. India 3 : 289. 1881; Gamble, Fl. Pres. Madras 2 : 491. 1957 (repr. ed.).

A soft, white woolly, annual weed of roadsides and wastelands.

Distrib.: Almost all districts.

Gnaphalium purpureum L. Sp. Pl. 854. 1753; Hook. f. Fl. Brit. India 3 : 289. 1881; Sharma & Haridas in Curr. Sci. 42 : 368. 1973.

An annual herb.

Distrib.: Coimbatore and Nilgiri (Sharma & Haridas 1973).

Goniocaulon indicum (Klein ex Willd.) Clarke, Comp. Ind. 236. 1876; Jeffrey in Kew Bull. 22 : 134. 1968. *Serratula indica* Klein ex Willd. Sp. Pl. 3 : 1642. 1804. *Goniocaulon glabrum* Cass. in Bull. Sci. Soc. Philom. Paris 34. 1817; Hook. f. Fl. Brit. India 3 : 377. 1881; Gamble, Fl. Pres. Madras 2 : 510. 1957 (repr. ed.). *Amberboa indica* DC. Prodr. 6 : 558. 1838; Wight, Ic. t. 479. 1841.

An erect annual, in fallow fields and black cotton soil.

Distrib.: Tirunelveli.

Grangea maderaspatana (L.) Poir. in Lam. Encycl. Suppl. 2 : 825. 1812; Wight, Ic. t. 1097. 1846; Hook. f. Fl. Brit. India 3 : 247. 1881; Gamble, Fl. Pres. Madras 2 : 478. 1957 (repr. ed.). *Artemisia maderaspatana* L. Sp. Pl. 849. 1753.

Tamil: *Mashipatri*, *Masipathri*.

A common weed, on sandy soil and in waste places.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, North Arcot,

Salem, South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli (RHT). E.

Guizotia abyssinica (L. f.) Cass. in F. Cuvier, Dict. Sci. Nat. 59 : 237 & 248. 1829; Hook. f. Fl. Brit. India 3 : 308. 1881; Gamble, Fl. Pres. Madras 2 : 498. 1957 (repr. ed.). *Polymnia abyssinica* L. f. Suppl. Pl. 383. 1781. *Verbesina sativa* Roxb. ex Sims in Bot. Mag. t. 1017. 1807.

Tamil: *Payelhu*, *Uchellu*.

A stout herb, mostly cultivated. E.

Gynura aurantiaca (Blume) DC. Prodr. 6 : 300. 1838; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 798. 1983. *Calcatia aurantiaca* Blume, Bijdr. 908. 1826. *Crassocephalum crepidioides* auct. non (Benth.) S. Moore 1912; Matthew, Ill. Fl. Tamilnadu Carnatic t. 361. 1982.

A stout herb, in hills.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Gynura lycopersicifolia DC. Prodr. 6 : 300. 1838; Hook. f. Fl. Brit. India 3 : 334. 1881; Gamble, Fl. Pres. Madras 2 : 502. 1957 (repr. ed.).

A slender, erect herb, usually on river banks, in evergreen forests.

Distrib.: Coimbatore (CAL & FRC), Madurai (HIFP), Nilgiri (CAL), Tirunelveli.

Gynura nitida DC. in Wight, Contrib. 24. 1834; Wight, Ic. t. 1121. 1846; Hook. f. Fl. Brit. India 3 : 333. 1881; Gamble, Fl. Pres. Madras 2 : 502. 1957 (repr. ed.).

A tall, fleshy herb, in dry open forests in hills.

Distrib.: Coimbatore, Kamhiyakumari, Madurai, Nilgiri, Ramnathapuram, Salem (Matthew 1981), Tirunelveli.

Gynura pseudo-china (L.) DC. Prodr. 6 : 299. 1838; Hook. f. Fl. Brit. India

3 : 334. 1881; Gamble, Fl. Pres. Madras 2 : 502. 1957 (repr. ed.). *Senecio pseudo-china* L. Sp. Pl. 867. 1753. *Gynura nudicaulis* Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Carol. Nat. Cur. 18 : 351. 1836.

A short-stemmed tuberous herb.

Distrib.: Chengalpattu (Davies 1980), Kanniyakumari, Tirunelveli (Gamble 1957).

Gynura travancorica W.W. Smith in Rec. Bot. Surv. India 6 : 29. 1914; Gamble, Fl. Pres. Madras 2 : 502. 1957 (repr. ed.).

A tall, very hispid herb, at high altitudes.

Distrib.: Madurai, Nilgiri (Sharma et al. 1977).

Helianthus annuus L. Sp. Pl. 904. 1753.

Tamil: *Suryakanthi*.

An undershrub, often cultivated. E.

Helianthus debilis Nutt. in Trans. Amer. Philos. Soc. 7 : 367. 1841.

A herb, cultivated.

Helianthus tuberosus L. Sp. Pl. 905. 1753; Gamble, Fl. Pres. Madras 2 : 516. 1957 (repr. ed.).

A herb, cultivated. E.

Helichrysum bracteatum (Vent.) Andr. Bot. Repos. sub t. 428. 1805, var. *bracteatum*. *Xeranthemum bracteatum* Vent. Jard. Mal. 1 : t. 2. 1803. *Helichrysum chrysanthium* Pers. Syn. 2 : 414. 1807.

A stout annual herb, naturalized in high altitudes.

Distrib.: Madurai, Nilgiri.

Helichrysum bracteatum (Vent.) Andr. var. *albidum* DC. Prodr. 6 : 189. 1838. *H. niveum* Graham in Bot. Mag. t. 3857. 1841.

A herb.

Distrib.: Madurai.

Helichrysum buddleioides DC. in Wight, Contrib. 20. 1834; Wight. Ic. t. 1113. 1846; Hook. f. Fl. Brit. India 3 : 290. 1881; Gamble, Fl. Pres. Madras 2 : 491. 1957 (repr. ed.). *H. hookerianum* Wight & Arn. in DC. Prodr. 6 : 201. 1838; Gamble, Fl. Pres. Madras 2 : 492. 1957 (repr. ed.). *H. buddleioides* DC. var. *hookerianum* (Wight & Arn.) Hook. f. Fl. Brit. India 3 : 291. 1881.

An undershrub, at high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Helichrysum perlanigerum Gamble in Kew Bull. 1920 : 341. 1920 & Fl. Pres. Madras 2 : 492. 1957 (repr. ed.).

An undershrub, at high altitudes.

Distrib.: Coimbatore. R. +.

Helichrysum wightii Clarke ex Hook. f. Fl. Brit. India 3 : 291. 1881; Gamble, Fl. Pres. Madras 2 : 492. 1957 (repr. ed.).

A herb, at high altitudes.

Distrib.: Nilgiri.

Helipterum citrinum Harv. & Sond. Fl. Cap. 3 : 259. 1865.

A herb, introduced in gardens.

Helipterum roseum Benth. Fl. Austral. 3 : 640. 1866.

An annual herb, cultivated.

Hypochoeris glabra L. Sp. Pl. 811. 1753; Hook. f. Fl. Brit. India 3 : 401. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 301. 1932; Gamble, Fl. Pres. Madras 2 : 512. 1957 (repr. ed.).

A scapigerous herb, at high altitudes.

Distrib.: Madurai (CAL, PCM & UCT), Nilgiri. E.

Hypochoeris radicata L. Sp. Pl. 810. 1753; Kammathy in Bull. Bot. Surv. India 5 : 247. 1963 (1964).

A herb, at high altitudes.

Distrib.: Nilgiri.

Kleinia grandiflora (Wall. ex DC.) Rani in Matthew, Fl. Tamilnadu Carnatic 3 : 801. 1983. *Notonia grandiflora* Wall. ex DC. in Arch. Bot. (Paris) 2 : 518. 1833; Hook. f. Fl. Brit. India 3 : 337. 1881; Gamble, Fl. Pres. Madras 2 : 504. 1957 (repr. ed.).

A fleshy shrub.

Distrib.: Almost all districts.

Lactuca hastata DC. Prodr. 7 : 139. 1838; Hook. f. Fl. Brit. India 3 : 407. 1881; Gamble, Fl. Pres. Madras 2 : 514. 1957 (repr. ed.). *Mulgedium neilgheryense* Wight, Ic. t. 1144. 1846.

A tall herb, in sholas at high altitudes.

Distrib.: Madurai, Nilgiri.

Lactuca sativa L. Sp. Pl. 795. 1753; Gamble, Fl. Pres. Madras 2 : 514. 1957 (repr. ed.). *L. scariola* L. var. *sativa* (L.) Hook. f. Fl. Brit. India 3 : 404. 1881.

Tamil: *Salattu*.

An erect annual leafy herb, cultivated as a vegetable. E.

Lagascea mollis Cav. in Anales Ci. Nat. 6 : 331. t. 44. 1803, "*Lagasca*"; Hook. f. Fl. Brit. India 3 : 302. 1881; Gamble, Fl. Pres. Madras 2 : 494. 1957 (repr. ed.); Sant. in Bull. Bot. Surv. India 3 : 18. 1961.

A grey pubescent herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, Salem.

Laggera crispata (Vahl) Hepper & Wood in Kew Bull. 38 : 83. 1983. *Conyza crispata* Vahl, Symb. Bot. 1 : 71. 1790.

Laggera pterodonta (DC.) Sch. Bip. ex Oliver in Trans. Linn. Soc. London 29 : 94. 1873; Hook. f. Fl. Brit. India 3 : 271. 1881; Gamble, Fl. Pres. Madras 2 : 485. 1957 (repr. ed.). *Blumea pterodonta* DC. in Wight, Contrib. 16. 1834; Wight, Ic. t. 1100. 1846; Grierson in Ceylon J. Sci., Biol. Sci. 11 : 12. 1974.

A glabrescent herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri.

Launaca acaulis (Roxb.) Babo. ex Kerr in Craib, Fl. Siam. 2 : 299. 1936. *Prenanthes acaulis* Roxb. Fl. Ind. 3 : 403. 1832. *Microrhynchus glabra* (DC.) Wight, Ic. t. 1145. 1846. *Lactuca glabra* (DC.) in Wight, Contrib. 26. 1834. *Crepis acaulis* (Roxb.) Hook. f. Fl. Brit. India 3 : 396. 1881; Gamble, Fl. Pres. Madras 2 : 513. 1957 (repr. ed.).

A scapigerous perennial.

Distrib.: Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Launaea intybacea (Jacq.) Beauv. in Bull. Soc. Bot. Geneve ser. 2. 2 : 114. 1910; Jaffrey in Kew Bull. 18 : 472. 1966. *Lactuca intybacea* Jacq. Ic. Pl. Rar. 1 : 16. t. 12. 1784. *L. runcinata* DC. in Wight, Contrib. 26. 1834; Gamble, Fl. Pres. Madras 2 : 514. 1957 (repr. ed.). *L. heyneana* DC. Prodr. 7 : 140. 1838; Hook. f. Fl. Brit. India 3 : 403. 1881. *Brachyramphus heyneana* (DC.) Wight, Ic. t. 1146. 1846.

A tall glabrous herb, in fields, hedges, on old walls and among rocks in plains.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli. E.

Launaea procumbens (Roxb.) Ramayya & Rajagopal in Kew Bull. 23 : 465. 1969. *Prenanthes procumbens* Roxb. Fl. Ind. 3 : 404. 1832. *Launaea nudicaulis* sensu

Hook. f. Fl. Brit. India 3 : 416. 1881 p.p., non Less. 1832; Gamble, Fl. Pres. Madras 2 : 515. 1957 (repr. ed.).

A perennial scapigerous herb.

Distrib.: Coimbatore (FRC), Tirunelveli (UCT).

Launaea sarmentosa (Willd.) Sch.

Bip. ex Kuntze, Rev. Gen. Pl. 1 : 350. 1891; Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 173. 1931. *Prenanthes sarmentosa* Willd. Phytogr. 10. t. 6. f. 2. 1794 & Sp. Pl. 3 : 1540. 1803. *Launaea pinnatifida* Cass. in Ann. Sci. Nat. (Paris) ser. 1. 23 : 85. 1831; Hook. f. Fl. Brit. India 3 : 416. 1881; Gamble, Fl. Pres. Madras 2 : 515. 1957 (repr. ed.). *Micro-rhynchus sarmentosus* (Willd.) DC. Prodr. 7 : 181. 1838; Wight, Ill. 2 : t. 133. 1850.

A trailing herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Salem (Matthew 1981). E.

Montanoa bipinnatifida C. Koch in Wochenschr. Vereines Beford. Gartenbaues Koenigl. Preuss. Staaten 7 : 406. 1864.

A stout shrub, naturalized at high altitudes.

Moonia heterophylla Arn. in Nova Acta Phys. Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18 : 349. 1836; Gamble, Fl. Pres. Madras 2 : 495. 1957 (repr. ed.). Stuessy in Brittonia 27:98. 1975. *Chrysogonum heterophyllum* (Arn.) Benth. ex Clarke, Comp. Ind. 182. 1876; Hook. f. Fl. Brit. India 3 : 303. 1881. *Moonia arnottiana* Wight, Ic. t. 1105. 1846; Gamble, Fl. Pres. Madras 2 : 495. 1957 (repr. ed.). *Chrysogonum arnottianum* (Wight) Benth. ex Clarke, Comp. Ind. 132. 1876; Hook. f. Fl. Brit. India 3 : 303. 1881.

A perennial undershrub, on margins of sholas at high altitudes.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Myriactis wightii DC. in Wight, Contrib. 10. 1834, var. *wightii*; Wight, Ic. t. 1091. 1846; Hook. f. Fl. Brit. India 3 : 247. 1881; Gamble, Fl. Pres. Madras 2 : 478. 1957 (repr. ed.).

A stiff annual weed, at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Myriactis wightii DC. var. *bellidioides* Hook. f. Fl. Brit. India 3 : 247. 1881; Gamble, Fl. Pres. Madras 2 : 478. 1957 (repr. ed.).

A herb, at high altitudes.

Distrib.: Nilgiri (CAL).

Notonia shevaroyensis Fyson in J. Indian Bot. Soc. 11 : 49. 1932 & Fl. South Indian Hill St. 2 : 290. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1302. 1957 (repr. ed.).

A scapigerous, glabrous herb, in swamps.

Distrib.: Salem.

Notonia walkeri (Wight) Clarke, Comp. Ind. 176. 1876; Hook. f. Fl. Brit. India 3 : 337. 1881; Gamble, Fl. Pres. Madras 2 : 504. 1957 (repr. ed.). *Gynura walkeri* Wight, Ic. t. 1122. 1846.

A tall shrubby plant, in sholas at high altitudes.

Distrib.: Coimbatore (Fischer 1921), Madurai (Balasubramanian 1972), Nilgiri.

Olearia cassiniae F. v. Muell. Fragm. Phyt. Austr. 5 : 68. 1865 1866.

An erect shrub, introduced in gardens. E.

Oligochaeta ramosa (Roxb.) Wagenitz in Veroff. Geobot. Inst. ETH Stiftung Rubel Zurich 37 : 323. 1962. *Carduus ramosus* Roxb. Fl. Ind. 3 : 407. 1832. *Volutarella divaricata* Benth. in Benth. & Hook. f. Gen. Pl. 2 : 476. 1873 p.p.; Clarke, Comp. Ind. 242. 1876; Hook. f. Fl. Brit. India 3 : 383. 1881; Gamble,

Fl. Pres. Madras 2 : 511. 1957 (repr. ed.).
Tricholepis procumbens Wight, Ic. t. 1139.
1846.

A pubescent herb at foot hills.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Osteospermum moniliferum L. Sp. Pl. 923. 1753.

An unarmed, much-branched subshrub, cultivated. E.

Parthenium hysterophorus L. Sp. Pl. 988. 1753; Ellis & Swamin. in J. Bombay Nat. Hist. Soc. 66 : 233. 1969.

A poisonous alien weed, on roadsides and waste places.

Distrib.: Almost all districts. E.

Phyllocephalum courtallense (Wight) Narayana in Curr. Sci. 51 : 438. 1982.
Decaneurum courtallense Wight, Ic. t. 1081. 1846. *Centrathium courtallense* (Wight) Benth. ex Hook. f. Fl. Brit. India 3 : 227. 1881; Gamble, Fl. Pres. Madras 2 : 469. 1957 (repr. ed.).

A herb, in high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli (UCT).

Phyllocephalum indicum (Less.) Kirkman in Rhodora 83 : 12. 1981. *Ampherephis indica* Less. in Linnaea 6 : 686. 1831.
Decaneurum reticulatum DC. in Wight, Contrib. 3 1834; Wight, Ic. t. 1080. 1846. *Centrathium reticulatum* (DC.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 225. 1873; Hook. f. Fl. Brit. India 3 : 227. 1881; Gamble, Fl. Pres. Madras 2 : 469. 1957 (repr. ed.).

A handsome herb, on open slopes at high altitudes.

Distrib.: Coimbatore, Kanniyakumari (UCT), Madurai, Nilgiri.

Phyllocephalum phyllolaenum (DC.) Narayana in Curr. Sci. 51 : 438. 1982.
Decaneurum phyllolaenum DC. Prodr. 7 : 264. 1838. *Centrathium phyllolaenum* (DC.) Benth. ex Clarke, Comp. Ind. 4. 1876; Hook. f. Fl. Brit. India 3 : 228. 1881; Gamble, Fl. Pres. Madras 2 : 469. 1957 (repr. ed.).

A very variable annual herb.

Distrib.: Coimbatore, Nilgiri.

Phyllocephalum rangacharii (Gamble) Narayana in Curr. Sci. 51 : 438. 1982.
Centrathium rangacharii Gamble in Kew Bull. 1920 : 338. 1920 & Fl. Pres. Madras 2 : 469. 1957 (repr. ed.).

A herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Phyllocephalum scabridum (DC.) Kirkman in Rhodora 83 : 10. 1981. *Decaneurum scabridum* DC. in Wight, Contrib. 7. 1834. *Centrathium molle* (DC.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 225. 1873; Hook. f. Fl. Brit. India 3 : 227. 1881; Gamble, Fl. Pres. Madras 2 : 469. 1957 (repr. ed.). *Decaneurum molle* DC. Prodr. 5 : 67. 1838; Wight, Ic. t. 1082. 1846.

A herb in damp places.

Distrib.: Coimbatore (FRC), Ramana-thapuram, Tirunelveli.

Phyllocephalum sengaltherianum (Narayana) Narayana in Curr. Sci. 51 : 438. 1982. *Centrathium sengaltherianum* Narayana in Curr. Sci. 50 : 279. 1981.

An erect stunted herb, in high altitudes.

Distrib.: Tirunelveli (Narayana 1981).

Picris hieracioides L. Sp. Pl. 792. 1753; Wight, Ic. t. 1143. 1846; Hook. f. Fl. Brit. India 3 : 393. 1881; Gamble, Fl. Pres. Madras 2 : 512. 1957 (repr. ed.).

An erect coarse herb, at high altitudes.

Distrib.: Madurai, Nilgiri. E.

Pluchea tomentosa DC. in Wight, Contrib. 16. 1834; Hook. f. Fl. Brit. India 3 : 272. 1881; Gamble, Fl. Pres. Madras 2 : 485. 1957 (repr. ed.).

A large shrub.

Distrib.: Coimbatore, Tirunelveli.

Proustia pyrifolia Lagasca, Amen. Nat. Espan 1 : 33. 1811; DC. in Ann. Mus. Hist. Nat. 19 : 67. t. 4. 1812.

Cultivated in gardens. E.

Psiadia ceylanica (Arn.) Grierson in Ceylon J. Sci., Biol. Sci. 10 : 52. 1972, var. *ceylanica*. *Solidago ceylanica* Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Carol. Nat. Cur. 18 : 347. 1836. *Microglossa zeylanica* (Arn.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 282. 1873; Hook. f. Fl. Brit. India 3 : 257. 1881; Gamble, Fl. Pres. Madras 2 : 479. 1957 (repr. ed.).

An erect branched herb.

Distrib.: Madurai (Gamble 1957), South Arcot and Thanjavur (HIFP).

Psiadia ceylanica (Arn.) Grierson var. *beddomei* (Gamble) Chandrasekaran comb. nov. *Microglossa zeylanica* (Arn.) Benth. var. *beddomei* Gamble, Fl. Pres. Madras 681. 1921 & 2 : 479. 1957 (repr. ed.).

A shrub.

Distrib.: Tirunelveli.

Pulicaria angustifolia DC. Prodr. 5 : 479. 1836; Hook. f. Fl. Brit. India 3 : 299. 1881; Gamble, Fl. Pres. Madras 2 : 493. 1957 (repr. ed.).

A branched annual with slender stem, in dry open forests.

Distrib.: Thanjavur.

Pulicaria wightiana (DC.) Clarke, Comp. Ind. 118. 1876; Hook. f. Fl. Brit. India

3 : 298. 1881; Gamble, Fl. Pres. Madras 2 : 493. 1957 (repr. ed.). *Poloa wightiana* DC. in Arch. Bot. (Paris) 2 : 514. 1833. *Callistephus wightianus* (DC.) DC. Prodr. 5 : 275. 1836; Wight, Ic. t. 1089. 1846.

A much-branched annual leafy herb, in dry hill forests.

Distrib.: Coimbatore, Tirunelveli.

Rudbeckia maxima Nutt. in Trans. Amer. Philos. Soc. n.s. 7 : 354. 1841.

A perennial, cultivated in gardens. E.

Santolina chamaecyparissus L. Sp. Pl. 842. 1753.

A branched aromatic tufted undershrub, grown in gardens. E.

Sclerocarpus africanus Jacq. ex Murr. Syst. Veg. ed. 14. 783. 1784; Hook. f. Fl. Brit. India 3 : 305. 1881; Gamble, Fl. Pres. Madras 2 : 496. 1957 (repr. ed.).

An erect annual herb, at high altitudes.

Distrib.: Coimbatore (CAL).

Senecio ansteadii Tad. & Jacob in J. Indian Bot. Soc. 9 : 40. 1930; Fischer in Gamble, Fl. Pres. Madras 3 : 1302. 1957 (repr. ed.).

A slender shrubby climber at hills.

Distrib.: Kanniyakumari, Tirunelveli.

Senecio articulatus (Haw.) Sch.-Bip. in Flora 28 : 500. 1845. *Kleinia articulata* Haw. Syn. Pl. Succ. 315. 1812,

A herb, cultivated.

Senecio calcadensis Ramaswami in Rec. Bot. Surv. India 6 : 138. t. 1. 1914; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.).

A large climbing shrub, in evergreen forests.

Distrib.: Ramanathapuram, Tirunelveli.

Senecio candicans DC. in Wight, Contrib. 22. 1834; Wight, Ic. t. 1134. 1846; Hook. f. Fl. Brit. India 3 : 352. 1881; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.).

A subshrubby climber.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli.

Senecio cineraria DC. Prodr. 6 : 355. 1838.

A herb, cultivated.

Senecio corymbosus Wall. ex DC. in Wight, Contrib. 22. 1834; Wight, Ic. t. 1130. 1846; Hook. f. Fl. Brit. India 3 : 351. 1881; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.).

A climber, in hills.

Distrib.: Coimbatore, Madurai (FRC), Nilgiri.

Senecio edgeworthii Hook. f. Fl. Brit. India 3 : 346. 1881; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.).

An erect very white undershrub, at high altitudes.

Distrib.: Nilgiri.

Senecio hohenackeri Hook. f. Fl. Brit. India 3 : 345. 1881, var. *hohenackeri*; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.). *Doronicum candolleianum* Wight & Arn. ex Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Carol. Nat. Cur. 18 : 351. 1836; Wight, Ic. t. 1127. 1846.

A branched small undershrub, on open downs at high altitudes.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981).

Senecio hohenackeri Hook. f. var. *rupestris* (Wight) Gamble, Fl. Pres. Madras 722. 1921 & 2 : 508. 1957 (repr. ed.). *Doronicum rupestre* Wight, Ic. t. 1128. 1846.

A small undershrub in clefts of rocks.

Distrib.: Tirunelveli (Gamble 1957).

Senecio intermedius Wight, Ic. t. 1135. 1846; Gamble, Fl. Pres. Madras 2 : 509. 1957 (repr. ed.). *S. scandens* sensu Hook. f. Fl. Brit. India 3 : 352. 1881 p.p., non Buch. Ham. ex D. Don 1825.

A climbing shrub among bushes, in hills.

Distrib.: Coimbatore (Fischer 1921), Dharmapuri (Matthew 1981), Nilgiri, Salem.

Senecio kundaicus Fischer in Kew Bull. 1940 : 45. 1940.

A herb.

Distrib.: Nilgiri (Sebastine 1962). R. +.

Senecio lavandulaefolius DC. in Wight, Contrib. 23. 1834; Wight, Ic. t. 1133. 1846; Hook. f. Fl. Brit. India 3 : 343. 1881; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.).

An erect single-stemmed herb, on downs at high altitudes.

Distrib.: Madurai, Nilgiri.

Senecio lawsonii Gamble in Kew Bull. 1920 : 342. 1920 & Fl. Pres. Madras 2 : 507. 1957 (repr. ed.).

A very slender herb, on grassy downs at high altitudes.

Distrib.: Nilgiri.

Senecio lessingianus (Wight & Arn.) Clarke, Comp. Ind. 198. 1876; Hook. f. Fl. Brit. India 3 : 344. 1881; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.). *Doronicum lessingianum* Wight & Arn. in Arn. Pugill. Pl. Ind. Or. 106. 1836; Wight, Ic. t. 1126. 1846.

A handsome herb with leafy stems, at high altitudes.

Distrib.: Nilgiri.

Senecio ludens Clarke, Comp. Ind. 199. 1876; Hook. f. Fl. Brit. India 3 : 345. 1881; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.).

A slender erect herb, in grasslands and damp places at high altitudes.

Distrib.: Kanniyakumari, Tirunelveli.

Senecio neelgherryanus DC. in Wight, Contrib. 23. 1834; Wight, Ic. t. 1132. 1846; Hook. f. Fl. Brit. India 3 : 341. 1881; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.).

An erect herb, in sholas at high altitudes.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Senecio polycephalus (DC.) Clarke, Comp. Ind. 197. 1876; Hook. f. Fl. Brit. India 3 : 344. 1881; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.). *Madaractis polycephala* DC. Prodr. 6 : 440. 1837. *Doronicum arnottii* DC. in Wight, Contrib. 23. 1834; Wight, Ic. t. 1125. 1846, non *Senecio arnottii* Hook. f. 1846.

A coarse herb, at high altitudes.

Distrib.: Nilgiri.

Senecio scandens Buch. Ham. ex D. Don, Prodr. Fl. Nep. 178. 1825; Hook. f. Fl. Brit. India 3 : 352. 1881. *S. wightianus* DC. in Wight, Contrib. 22. 1834; Wight, Ic. t. 1136. 1846; Gamble, Fl. Pres. Madras 2 : 509. 1957 (repr. ed.).

A slender climber with zig-zag stems, in hills.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Senecio tenuifolius Burm. f. Fl. Ind. 181. t. 60. f. 4. 1768; Hook. f. Fl. Brit. India 3 : 345. 1881; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.). *Doronicum tenuifolium* (Burm. f.) Wight, Ic. t. 1129. 1846.

A slender much-branched annual.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem (Matthew 1981), Tirunelveli. E.

Senecio vulgaris L. Sp. Pl. 867. 1753; Gamble, Fl. Pres. Madras 2 : 509. 1957 (repr. ed.).

A herb, established in gardens and roadsides.

Distrib.: Nilgiri (Gamble 1957). E.

Senecio walkeri Arn. Pugill. Pl. Ind. Or. 31. 1836; Wight, Ic. t. 1131. 1846; Gamble, Fl. Pres. Madras 2 : 508. 1957 (repr. ed.). *S. araneosus* DC. Prodr. 6 : 364. 1837; Hook. f. Fl. Brit. India 3 : 351. 1881.

A slender climber, in hills.

Distrib.: Kanniyakumari, Madurai, Nilgiri.

Senecio wightii (DC.) Benth. ex Clarke, Comp. Ind. 197. 1876; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.). *Doronicum wightii* DC. in Wight, Contrib. 23. 1834; Wight, Ic. t. 1124. 1846. *Senecio saxatilis* Wall. ex DC. Prodr. 6 : 367. 1838; Hook. f. Fl. Brit. India 3 : 344. 1881.

The swamp Ragwort, in wet places at high altitudes.

Distrib.: Nilgiri.

Senecio zeylanicus DC. Prodr. 6 : 365. 1837; Hook. f. Fl. Brit. India 3 : 340. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 291. 1932; Gamble, Fl. Pres. Madras 2 : 507. 1957 (repr. ed.).

A slender, very narrow-leaved herb, in wet places at high altitudes.

Distrib.: Madurai, Nilgiri.

Sigesbeckia orientalis L. Sp. Pl. 900. 1753; Wight, Ic. t. 1103. 1846; Hook. f. Fl. Brit. India 3 : 304. 1881; Gamble, Fl. Pres. Madras 2 : 495. 1957 (repr. ed.).

Tamil: *Katampam, Kadambu.*

A large annual herb, in waste places, on roadsides and in secondary forests.

Distrib.: Almost all districts. E.

Silybum marianum (L.) Gaertn. Fruct. 2 : 378. t. 168. 1791; Hook. f. Fl. Brit. India 3 : 364. 1881. *Carduus marianus* L. Sp. Pl. 823. 1753.

An annual or biennial, at high altitudes.

Distrib.: Nilgiri. E.

Solidago canadensis L. Sp. Pl. 878. 1753.

A woody shrub, grown as hedge in lawns and along footpaths in gardens. E.

Solidago microglossa DC. Prodr. 5 : 332. 1836; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 813. 1983.

A herb, cultivated.

Solidago nemoralis Ait. Hort. Kew. ed. 1. 3 : 213. 1789.

A herb, cultivated.

Solidago virga-aurea L. Sp. Pl. 880. 1753.

An erect pubescent herb, cultivated. E.

Sonchus asper (L.) Hill, Brit. Herb. 1 : 47. t. 2. 1756; Hook. f. Fl. Brit. India 3 : 414. 1881. *S. oleraceus* L. var. *asper* L. Sp. Pl. 794. 1753.

An annual or biennial herb, cultivated. E.

Sonchus jainii Chandrabose, Chandrasekaran & Nair in J. Bombay Nat. Hist. Soc. 81 : 149. 1984.

An erect herb, on grassy slopes at high altitudes.

Distrib.: Coimbatore.

Sonchus oleraceus L. Sp. Pl. 794. 1753; Hook. f. Fl. Brit. India 3 : 414. 1881;

Gamble, Fl. Pres. Madras 2 : 514. 1957 (repr. ed.); Jeffrey in Kew Bull. 18 : 481. 1966. *S. ciliatus* Lam. Fl. Franc. 287. 1805; Wight, Ic. t. 1141, 1846.

An annual, glabrous herb, on roadsides, in gardens and cultivated fields in hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, North Arcot, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli. E.

Sonchus wightianus DC. Prodr. 7 : 187. 1838; Wight, Ic. t. 1142. 1846. *S. arvensis* sensu Hook. f. Fl. Brit. India 3 : 414. 1881, non L. 1753; Gamble, Fl. Pres. Madras 2 : 515. 1957 (repr. ed.).

A glabrous perennial herb, abundant in cultivated lands.

Distrib.: Coimbatore (Fischer 1921), Madurai (CAL), Salem (Matthew 1981), Tiruchchirappalli.

Sphaeranthus africanus L. Sp. Pl. ed. 2. 2 : 1314. 1763; Hook. f. Fl. Brit. India 3 : 275. 1881; Gamble, Fl. Pres. Madras 2 : 486. 1957 (repr. ed.).

A slender glabrous fragrant herb, in swampy places.

Distrib.: Madurai (HIFP). E.

Sphaeranthus amaranthoides Burm. f. Fl. Ind. 186. 1768; Hook. f. Fl. Brit. India 3 : 274. 1881; Gamble, Fl. Pres. Madras 2 : 486. 1957 (repr. ed.). *Oligolepis amaranthoides* (Burm. f.) Wight, Ic. t. 1149. 1846.

An erect stout-stemmed herb.

Distrib.: Coimbatore (FRC), Kanniyakumari, Madurai, Thanjavur, Tiruchchirappalli.

Sphaeranthus indicus L. Sp. Pl. 927. 1753; Hook. f. Fl. Brit. India 3 : 275. 1881 p.p.; Gamble, Fl. Pres. Madras 2 : 487. 1957 (repr. ed.). *S. hirtus* Willd. Sp. Pl. 3 : 2395. 1802; Wight, Ic. t. 1094. 1846.

Tamil: *Kottakkarandai*.

An aromatic herb, in wet places, especially in cultivated fields.

Distrib.: Almost all districts. E.

Spilanthes calva DC. in Wight, Contrib. 19. 1834; Wight, Ic. t. 1109. 1846; Koster & Philipson in Blumea 6 : 354. 1950. *S. acmella* auct. non (L.) Murr. 1844; Hook. f. Fl. Brit. India 3 : 307. 1881; Gamble, Fl. Pres. Madras 2: 498. 1957 (repr. ed.).

An erect, usually pubescent herb.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. E.

Spilanthes uliginosa Sw. Nov. Gen. Pl. 110. 1788; Sivarajan & Matthew in Ancient Sci. Life 3 : 169. 1984.

An erect or diffuse herb, rooting at lower nodes.

Distrib.: Coimbatore (Sivarajan & Matthew 1984).

Struchium sparganophorum (L.) Kuntze, Rev. Gen. Pl. 1 : 366. 1891; Vasudevan in Bull. Bot. Surv. India 8 : 202. ff. 1 - 18. 1966. *Ethulia sparganophora* L. Sp. Pl. ed. 2. 2 : 1171. 1763.

An erect herb, in wet localities.

Distrib.: Kanniyakumari.

Synedrella nodiflora (L.) Gaertn. Fruct. 2 : 456. t. 171. f. 7. 1791; Hook. f. Fl. Brit. India 3 : 308. 1881; Gamble, Fl. Pres. Madras 2 : 498. 1957 (repr. ed.). *Verbesina nodiflora* L. Cent. Pl. 1 : 28. 1755 & Amoen. Acad. 4 : 290. 1759.

An introduced, erect dichotomously branched herb, naturalized.

Distrib.: Almost all districts. E.

Tagetes erecta L. Sp. Pl. 887. 1753; Clarke, Comp. Ind. 143. 1876; Rani &

Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 819. 1983.

Tamil: *Thurukasaamanthi*.

A subshrub, cultivated or as an escape in hills.

Distrib.: Chengalpattu (Mayuranathan 1929), Tamilnadu Carnatic (Matthew 1983). E.

Tagetes lucida Cav. Ic. 3 : 33. t. 264. 1796.

A herb, grown in gardens. E.

Tagetes patula L. Sp. Pl. 887. 1753.

Tamil: *Thurukachamanthi*.

An aromatic herb, cultivated.

Taraxacum javanicum Soest in Wentia 10 : 56. f. 27. 1963; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 820. 1983.

A herb.

Distrib.: Madurai, Nilgiri, Salem.

Taraxacum officinale Weber in Wigg. Prim. Fl. Holsat. 56. 1780; Hook. f. Fl. Brit. India 3 : 401. 1881; Gamble, Fl. Pres. Madras 2 : 514. 1957 (repr. ed.).

A scapigerous glabrous herb, abundant near habitations.

Distrib.: Madurai (PCM), Nilgiri, Salem (Matthew 1981). E.

Tithonia diversifolia (Hemsl.) A. Gray in Proc. Amer. Acad. Arts 19 : 5. 1883. *Mirasolia diversifolia* Hemsl. Biol. Centr. Amer. 2 : 168. t. 47. 1881.

A stout, spreading leafy annual herb, cultivated in gardens and found run wild. E.

Tricholepis glaberrima DC. Prodr. 6: 564. 1838; Hook. f. Fl. Brit. India 3 : 381. 1881; Gamble, Fl. Pres. Madras 2 : 511. 1957 (repr. ed.).

An erect glabrous herb.

Distrib.: "W. Ghats" (Gamble 1957).

Tricholepis radicans (Roxb.) DC. Prodr. 6 : 584. 1838; Hook. f. Fl. Brit. India 3 : 381. 1881; Gamble, Fl. Pres. Madras 2 : 511. 1957 (repr. ed.). *Carduus radicans* Roxb. Fl. Ind. 3 : 408. 1832.

A slender branched herb; in fallow fields and open forests in hills.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Salem.

Tridax procumbens L. Sp. Pl. 900. 1753; Hook. f. Fl. Brit. India 3 : 311. 1881; Gamble, Fl. Pres. Madras 2 : 500. 1957 (repr. ed.).

Tamil: *Vettukkaaya-thalai*.

A straggling hispid herb, on roadsides and waste places.

Distrib.: Almost all districts. E.

Verbesina encelioides (Cav.) Benth. & Hook. f. ex A. Gray in Bot. Calif. 1 : 350. 1880. *Ximenesia encelioides* Cav. Ic. 2 : 60. t. 178. 1793.

An erect, woolly, perennial.

Distrib.: Coimbatore, South Arcot, Tiruchchirappalli.

Vernonia albicans DC. in Wight, Contrib. 6. 1834; Gamble, Fl. Pres. Madras 2 : 475. 1957 (repr. ed.). *V. cinerea* sensu Hook. f. Fl. Brit. India 3 : 233. 1881 p.p., non Less. 1829.

A white tomentose undershrub, in open forests in hills.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Vernonia anamallica Bedd. ex Gamble in Kew Bull. 1920 : 339. 1920 & Fl. Pres. Madras 2 : 475. 1957 (repr. ed.).

An erect shrub in higher ranges.

Distrib.: Coimbatore (Gamble 1957). R. +.

Vernonia anthelmintica (L.) Willd. Sp. Pl. 3 : 1634. 1803; Clarke, Comp. Ind. 10. 1876; Hook. f. Fl. Brit. India 3 : 236. 1881; Grierson in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 1 : 121. 1980. *Conyza anthelmintica* L. Sp. Pl. ed. 2. 2 : 1207. 1763. *Centratherum anthelminticum* (L.) Kuntze, Rev. Gen. Pl. 1 : 320. 1891; Gamble, Fl. Pres. Madras 2 : 469. 1957 (repr. ed.).

Tamil: *Kattu-shiragam*.

A large erect annual, on roadsides and black cotton soil.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, North Arcot, Nilgiri, Salem, South Arcot, Tiruchchirappalli.

Vernonia arborea Buch. Ham. in Trans. Linn. Soc. London 14 : 218. 1824; Grierson in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 1 : 122. 1980. *Monosis wightiana* DC. in Wight, Contrib. 5. 1834; Wight, Ic. t. 1085. 1846. *Vernonia monosis* Benth. ex Clarke, Comp. Ind. 24. 1876, non Sch. Bip. 1847; Gamble, Fl. Pres. Madras 2 : 473. 1957 (repr. ed.). *V. arborea* Buch. Ham. var. *wightiana* (DC.) Hook. f. Fl. Brit. India 3 : 239. 1881.

Tamil: *Shutthi*.

A showy small tree, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli.

Vernonia bourdillonii Gamble in Kew Bull. 1920 : 339. 1920 & Fl. Pres. Madras 2 : 475. 1957 (repr. ed.).

A shrub, in grasslands at high altitudes.

Distrib.: Tirunelveli.

Vernonia bourneana W. W. Smith in Rec. Bot. Surv. India 6 : 101. 1914;

Gamble, Fl. Pres. Madras 2 : 475. 1957 (repr. ed.).

A shrub or undershrub, in hills at high altitudes.

Distrib.: Coimbatore (FRC), Madurai, Tirunelveli.

Vernonia cinerascens Sch. Bip. in Schweinf. Beitr. Fl. Aethiop. 162. 1867; Hook. f. Fl. Brit. India 3 : 237. 1881; Gamble, Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

An erect shrub, in dry areas.

Distrib.: Coimbatore, Nilgiri.

Vernonia cinerea (L.) Less. in Linnæa 4 : 291. 1829; Hook. f. Fl. Brit. India 3 : 233. 1881 p.p.; Gamble, Fl. Pres. Madras 2 : 475. 1957 (repr. ed.). *Conyza cinerea* L. Sp. Pl. 862. 1753.

Tamil: *Mukuttipundu, Sivashangalumir, Sahadevi, Puvankodanthal.*

A very common weed.

Distrib.: Almost all districts. E.

Vernonia comorinensis W.W. Smith in Rec. Bot. Surv. India 4 : 283. 1911; Gamble, Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

A handsome shrub, in hills.

Distrib.: Kanniyakumari, Madurai (UCT), Tirunelveli.

Vernonia conyzoides DC. in Wight, Contrib. 6. 1834; Wight, Ic. t. 1076. 1846 (except the achenes); Gamble, Fl. Pres. Madras 2 : 475. 1957 (repr. ed.). *V. cinerea* sensu Hook. f. Fl. Brit. India 3 : 233. 1881 p.p., non (L.) Less. 1829.

An erect herbaceous undershrub, in sholas at high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Vernonia dalzelliana Drumm. & Hutchinson in Kew Bull. 1909 : 261.

1909; Gamble, Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

An erect or subscaudent undershrub, in hills.

Distrib.: Nilgiri.

Vernonia divergens (Roxb.) Edgew. in J. Asiat. Soc. Bengal 21 : 172. 1853; Hook. f. Fl. Brit. India 3 : 234. 1881; Gamble, Fl. Pres. Madras 2 : 473. 1957 (repr. ed.). *Eupatorium divergens* Roxb. Fl. Ind. 3 : 414. 1832. *Decaneurum divergens* (Roxb.) DC. Prodr. 5 : 68. 1836; Wight, Ic. t. 1084. 1846.

A tall shrub, in dry forests.

Distrib.: Almost all districts.

Vernonia elaeagnifolia DC. Prodr. 5 : 22. 1836; Hook. f. Fl. Brit. India 3 : 237. 1881.

A climbing shrub, cultivated. E.

Vernonia fysonii Calder in Rec. Bot. Surv. India 6 : 343. t. 10. 1919; Gamble, Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

An erect undershrub, in sholas at high altitudes.

Distrib.: Madurai.

Vernonia gossypina Gamble in Kew Bull. 1920 : 340. 1920 & Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

A very handsome undershrub, in hills.

Distrib.: Tirunelveli. R. +.

Vernonia heynei Bedd. ex Gamble in Kew Bull. 1920 : 340. 1920 & Fl. Pres. Madras 2 : 473. 1957 (repr. ed.).

An erect shrub, in hills.

Distrib.: Kanniyakumari. R. +.

Vernonia indica Clarke, Comp. Ind. 16. 1876; Hook. f. Fl. Brit. India 3 : 238. 1881; Gamble, Fl. Pres. Madras 2 : 474. 1957 (repr. ed.).

A large erect undershrub, in hills.

Distrib.: Nilgiri, Tirunelveli.

Vernonia malabarica Hook. f. *Fl. Brit. India* 3 : 230. 1881; Gamble, *Fl. Pres. Madras* 2 : 475. 1957 (repr. ed.).
V. bababudensis Talbot in *J. Bombay Nat. Hist. Soc.* 11 : 237. t. 8. 1897.

A stout shrub, at high altitudes.

Distrib.: Madurai, Nilgiri.

Vernonia membranacea Bedd. ex S. Moore in *J. Bot.* 63 : 170. 1925; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1301. 1957 (repr. ed.).

An undershrub.

Distrib.: Nilgiri (Fischer 1957). R. +.

Vernonia pectiniformis DC. in Wight, *Contrib.* 2. 1834; Wight, *lc.* t. 1077. 1846; Hook. f. *Fl. Brit. India* 3 : 239. 1881; Gamble, *Fl. Pres. Madras* 2 : 473. 1957 (repr. ed.).

An erect or semiscandent shrub, on margins of sholas at high altitudes.

Distrib.: Nilgiri.

Vernonia peninsularis (Clarke) Clarke ex Hook. f. *Fl. Brit. India* 3 : 233. 1881; Gamble, *Fl. Pres. Madras* 2 : 474. 1957 (repr. ed.). *V. bracteata* Wall. var. *peninsularis* Clarke, *Comp. Ind.* 18. 1876. *Decaneurum silhetense* Wight, *lc.* t. 1083. 1846, non DC. 1838.

An erect undershrub, at high altitudes.

Distrib.: Coimbatore, Madurai.

Vernonia pulneyensis Gamble in *Kew Bull.* 1920 : 341. 1920 & *Fl. Pres. Madras* 2 : 473. 1957 (repr. ed.).

A slender undershrub, at high altitudes.

Distrib.: Madurai (HIFP). R. +.

Vernonia ramaswamii Hutchinson in *Kew Bull.* 1916 : 35. 1916; Gamble, *Fl. Pres. Madras* 2 : 475. 1957 (repr. ed.).

A small undershrub, on banks of streams and in river beds in hills.

Distrib.: Tirunelveli.

Vernonia recurva Bedd. ex S. Moore in *J. Bot.* 63 : 171. 1925; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1301. 1957 (repr. ed.).

An undershrub at high altitudes.

Distrib.: Coimbatore (Fischer 1957) R. +.

Vernonia saligna DC. var. *nilghirensis* Hook. f. *Fl. Brit. India* 3 : 235. 1881; Gamble, *Fl. Pres. Madras* 2 : 474. 1957 (repr. ed.). *V. saligna* sensu Fyson, *Fl. South Indian Hill. St.* 2 : t. 252. 1932, non DC. 1836.

An erect undershrub, at high altitudes.

Distrib.: Nilgiri.

Vernonia salvifolia Wight, *lc.* t. 1079. 1846; Hook. f. *Fl. Brit. India* 3 : 237. 1881; Gamble, *Fl. Pres. Madras* 2 : 475. 1957 (repr. ed.).

A handsome shrub, in hills.

Distrib.: Tirunelveli.

Vernonia setigera Arn. in *Nova Acta Phys. - Med. Acad. Caes. Leop. - Carol. Nat. Cur.* 18 : 345. 1836; Hook. f. *Fl. Brit. India* 3 : 235. 1881; Gamble, *Fl. Pres. Madras* 2 : 474. 1957 (repr. ed.).

An erect undershrub, in hills.

Distrib.: Kanniyakumari, Tirunelveli.

Vernonia shevaroyensis Gamble in *Kew Bull.* 1920 : 341. 1920 & *Fl. Pres. Madras* 2 : 473. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Salem (HIFP). R. +.

Vernonia travancorica Hook. f. *Fl. Brit. India* 3 : 240. 1881; Gamble, *Fl. Pres. Madras* 2 : 473. 1957 (repr. ed.).

V. volkamertaeifolia sensu Bedd. Fl. Sylv. t. 225. 1872, non DC. 1836.

Tamil: *Thenpu*.

A small tree, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli (CAL & HIFP).

Vicou cernua Dalz. in Dalz. & Gibs. Bombay Fl. 126. 1861; Hook. f. Fl. Brit. India 3 : 297. 1881; Gamble, Fl. Pres. Madras 2 : 493. 1957 (repr. ed.).

An erect annual slender herb, in hills.

Distrib.: Nilgiri (CAL).

Vicou indica (L.) DC. in Wight, Contrib. 10. 1834; Wight, Ic. t. 1148. 1846; Gamble, Fl. Pres. Madras 2 : 493. 1957 (repr. ed.).

Inula indica L. Sp. Pl. ed. 2. 2 : 1237. 1763. *Vicou auriculata* Cass. in Ann. Sci. Nat. (Paris) ser. 1. 17 : 418. 1829; Hook. f. Fl. Brit. India 3 : 297. 1881.

Tamil: *Jimikipoo*, *Mookutipoondu*.

Distrib.: Almost all districts. E.

Vittadinia australis A. Rich. Ess. Fl. Nouv. Zel. 251. 1832.

A herb with erect or diffuse or ascending stems, naturalized in hills.

Wedelia biflora (L.) DC. in Wight, Contrib. 18. 1834; Hook. f. Fl. Brit. India 3 : 306. 1881; Gamble, Fl. Pres. Madras 2 : 497. 1957 (repr. ed.). *Verbesina biflora* L. Sp. Pl. ed. 2. 2 : 1272. 1763. *Wollastonia biflora* (L.) DC. Prodr. 5 : 546. 1836; Wight, Ic. t. 1108. 1846.

A climbing shrub, along the sea coast.

Distrib.: Chengalpattu. E.

Wedelia chinensis (Osbeck) Merr. in Philipp. J. Sci. 12: 111. 1917. *Solidago chinensis* Osbeck, Dagbok Ostind. Resa 241. 1757. *Wedelia calendulacea* Less. Syn. Gen. Comp. 222. 1832; Wight, Ic. t. 1107. 1846; Hook. f. Fl. Brit. India

3 : 306. 1881; Gamble, Fl. Pres. Madras 2 : 497. 1957 (repr. ed.).

A procumbent perennial, in wet places in plains.

Distrib.: Coimbatore, Kanniyakumari, Madurai, North Arcot, Salem, Tiruchchirappalli, Tirunelveli. E.

Wedelia urticaefolia (Blume) DC. in Wight, Contrib. 18. 1834, var. *urticaefolia*; Wight, Ic. t. 1106. 1846; Hook. f. Fl. Brit. India 3 : 306. 1881; Gamble, Fl. Pres. Madras 2 : 497. 1957 (repr. ed.); Fischer in Rec. Bot. Surv. India 9(1) : 102. 1921. *Verbesina urticaefolia* Blume, Bijdr. 911. 1826.

A herb, in hills.

Distrib.: Coimbatore (Fischer 1921).

Wedelia urticaefolia (Blume) DC. var. *wightii* DC. in Wight, Contrib. 18. 1834; Gamble, Fl. Pres. Madras 2 : 497. 1957 (repr. ed.).

An erect hispid herb, in hills.

Distrib.: Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Xanthium indicum Koen. in Roxb. Fl. Ind. 3 : 601. 1832; Wight, Ic. t. 1104. 1846. *X. strumarium* L. Sp. Pl. 987. 1753 p.p.; Hook. f. Fl. Brit. India 3 : 303. 1881; Gamble, Fl. Pres. Madras 2 : 494. 1957 (repr. ed.).

Tamil: *Marlumutta*, *Moruloomatham*.

A coarse annual herb, in waste places and roadsides.

Distrib.: Almost all districts. E.

Youngia fuscipappa Thw. Enum. Pl. Zeyl. 168. 1860. *Crepis fuscipappa* (Thw.) Clarke, Comp. Ind. 254. 1876; Hook. f. Fl. Brit. India 3 : 395. 1881; Gamble, Fl. Pres. Madras 2 : 513. 1957 (repr. ed.).

A slender annual, at high altitudes.

Distrib.: Nilgiri.

Youngia japonica (L.) DC. Prodr. 7 : 194. 1838. *Prenanthes japonica* L. Mant. Pl. 107. 1767. *Youngia napifolia* (DC.) DC. Prodr. 7 : 193. 1838; Wight, Ic. t. 1147. 1846. *Lactuca napifolia* DC. in Wight, Contrib. 27. 1834. *Crepis japonica* (L.) Benth. Fl. Hong. 194. 1861; Hook. f. Fl. Brit. India 3 : 395. 1881; Gamble, Fl. Pres. Madras 2 : 513. 1957 (repr. ed.).

A very slender annual, at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Youngia nilgiriensis Babco. in Kew Bull. 1939: 662. 1940; Sebastine in Bull. Bot. Surv. India 4 : 225. 1962.

A herb, at high altitudes.

Distrib.: Nilgiri. R. +.

Zinnia elegans Jacq. Coll. Bot. 3: 152. 1791.

An erect annual, cultivated in gardens and naturalized. E.

GOODENIACEAE

R. RAJAN

Scaevola plumieri (L.) Vahl, Symb. Bot. 2 : 36. 1791; Gamble, Fl. Pres. Madras 2 : 516. 1957 (repr. ed.). *Lobelia plumieri* L. Sp. Pl. 929. 1753. *Scaevola lobelia* Murr. Syst. Veg. ed. 13. 178. 1774; Clarke in Hook. f. Fl. Brit. India 3 : 421. 1881. *S. uvifera* Stocks in Wight, Ic. t. 1613. 1850.

A succulent shrub on sandy shores; flowers white or greenish yellow.

Distrib.: Ramanathapuram, Tirunelveli.

Scaevola sericea Vahl, Symb. Bot. 2 : 37. 1791; Jeffrey in Kew Bull. 34 : 543. 1980. *S. koenigii* Vahl, Symb. Bot. 3 : 36.

1794; Clarke in Hook. f. Fl. Brit. India 3 : 421. 1881. *S. frutescens* K. Krause in Engler, Pflanzent. 54: 125. 1912; Gamble, Fl. Pres. Madras 2 : 516. 1957 (repr. ed.).

A shrub or small tree.

Distrib.: Ramanathapuram.

CAMPANULACEAE

R. CHANDRASEKARAN

Asyneuma fulgens (Wall.) Briq. in Candollea 4 : 334. 1931; R.R. Rao & Jain in Indian Forester 105 : 565. 1979. *Campanula fulgens* Wall. in Roxb. Fl. Ind. 2 : 99. 1824; Wight, Ic. t. 1179. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 442. 1881; Gamble, Fl. Pres. Madras 2 : 521. 1957 (repr. ed.).

An erect herb, in hills at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Campanula alphonisii Wall. ex A. DC. in DC. Prodr. 7 : 473. 1839; Wight, Ic. t. 1177. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 440. 1881; Gamble, Fl. Pres. Madras 2 : 521. 1957 (repr. ed.).

A small tufted wiry herb, in clefts of rocks.

Distrib.: Coimbatore (Gamble 1957), Madurai, Nilgiri.

Campanula benthamii Wall. ex Kitam. Fl. Afghan. 377. 1960. *C. canescens* Wall. ex A. DC. Monog. Campan. 292. 1830, non Roth 1827; Clarke in Hook. f. Fl. Brit. India 3 : 439. 1881; Gamble, Fl. Pres. Madras 2 : 520. 1957 (repr. ed.).

A slender herb, in shady places.

Distrib.: Ramanathapuram, Tirunelveli (Gamble 1957). R.

Campanula drabifolia Sibth. & Smith, Fl. Graec. Prodr. 1 : 142. 1806.

An annual herb, cultivated. E.

Campanula latifolia L. Sp. Pl. 165. 1753.

A small shrub, cultivated. E.

Campanula ramulosa Wall. in Roxb. Fl. Ind. 2 : 100. 1824; Gamble, Fl. Pres. Madras 2 : 520. 1957 (repr. ed.). *C. colorata* sensu Clarke in Hook. f. Fl. Brit. India 3 : 440. 1881 p.p., non Wall. 1829.

An erect herb, in hills at high altitudes.

Distrib.: Madurai, Nilgiri.

Campanula wightii Gamble, Fl. Pres. Madras 740. 1921 & 2 : 520. 1957 (repr. ed.). *C. colorata* sensu Clarke in Hook. f. Fl. Brit. India 3 : 440. 1881 p.p., non Wall. 1829. *C. ramulosa* sensu Wight, Ic. t. 1178. 1848, non Wall. 1824.

A soft herb with slender stem, in hills at high altitudes.

Distrib.: Madurai, Nilgiri.

Isotoma longiflora (L.) Presl, Prodr. Monog. Label. 24. 1836; Panigrahi et al. in Indian J. For. 3 : 151. 1981. **Lobelia longiflora** L. Sp. Pl. 930. 1753. **Laurentia longiflora** (L.) Endlicher, Gen. Pl. 512. 1838.

A poisonous herb, introduced.

Wahlenbergia erecta (Roth ex Schultes) Tuyn in Steenis, Fl. Males. ser. 1.6 : 113. 1960. **Dentella erecta** Roth ex Schultes in Roem. & Schultes, Syst. 5 : 25. 1819. **Cephalostigma schimperii** Hochst. ex A. Rich. Tent. Fl. Abyss. 2 : 2. 1851; Clarke in Hook. f. Fl. Brit. India 3 : 428. 1881; Gamble, Fl. Pres. Madras 2 : 519. 1957 (repr. ed.).

An annual erect herb, usually in shady places or among rocks.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Salem.

Wahlenbergia flexuosa (Hook. f. & Thoms.) Thulin in Symb. Bot. Upsal. 21 : 158. ff. 2/D, 5/L, 27/B, 29/H, I. 1975.

Cephalostigma flexuosum Hook. f. & Thoms. in J. Proc. Linn. Soc., Bot. 2 : 9. 1857; Clarke in Hook. f. Fl. Brit. India 3 : 428. 1881; Gamble, Fl. Pres. Madras 2 : 519. 1957 (repr. ed.).

A slender annual herb.

Distrib.: Coimbatore (CAL); "Deccan" (Gamble 1957).

Wahlenbergia marginata (Thunb.) A. DC. Monog. Campan. 143. 1830. **Campanula marginata** Thunb. Fl. Jap. 89. 1784. **Wahlenbergia gracilis** (Forst. f.) Schrader ex A. DC. Monog. Campan. 142. 1830; Clarke in Hook. f. Fl. Brit. India 3 : 429. 1881; Gamble, Fl. Pres. Madras 2 : 319. 1957 (repr. ed.). **Campanula gracilis** Forst. f. Insul. Austr. Prodr. 84. 1786. **Wahlenbergia agrestis** A. DC. Monog. Campan. 145. 1830; Wight, Ic. t. 1175. 1848.

An erect perennial herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

LOBELIACEAE

R. CHANDRASEKARAN

Lobelia alstonoides Lam. Encycl. 3 : 588. 1791. **L. trigona** Roxb. Fl. Ind. 2. 111. 1824; Wight, Ic. t. 1170. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 423. 1881; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.).

An annual herb, in wet places.

Distrib.: Almost all districts. E.

Lobelia angulata Forst. f. Insul. Austr. Prodr. 58. 1786. **Pratia begoniifolia** Lindl. in Edward's Bot. Reg. 16 : t. 1373. 1830; Clarke in Hook. f. Fl. Brit. India 3 : 422. 1881; Gamble, Fl. Pres. Madras 2 : 517. 1957 (repr. ed.).

A small trailing herb, in hills at high altitudes.

Distrib.: Madurai (Gamble 1957).

Lobelia chinensis Lour. Fl. Cochinch. 2 : 514. 1790. *L. radicans* Thunb. in Trans. Linn. Soc. London 2 : 330. 1794; Clarke in Hook. f. Fl. Brit. India 3 : 425. 1881.

A branched caespitose or prostrate herb, probably introduced in gardens. E.

Lobelia courtallensis K.K.N. Nair in Proc. Indian Acad. Sci. 87B : 105. t.1. 1978.

An erect shrub with milky latex.

Distrib.: Tirunelveli. O.

Lobelia heyneana Schultes in Roem. & Schultes, Syst. 5 : 50. 1819. *L. trialata* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 157. 1825; Clarke in Hook. f. Fl. Brit. India 3 : 425. 1881 incl. var. *lamiifolia*; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.). *L. zeylanica* auct. non L. 1753; Clarke in Hook. f. Fl. Brit. India 3 : 425. 1881; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.).

An erect annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem; "Deccan and W.Ghats" (Gamble 1957). E.

Lobelia leschenaultiana (Presl) Skottsb. in Acta Horti Gothob. 4 : 4. ff. 3-7. 1928; Cramer in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 4 : 174. 1983. *Rapuntium leschenaultianum* Presl, Prodr. Monog. Lobel. 24. 1836. *Lobelia excelsa* Lesch. ex Roxb. Fl. Ind. 2 : 114. 1824, non Bonpl. 1813; Wight, Ic. tt. 1173 & 1174. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 427. 1881; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.). *L. beddomeana* F. Wimmer in Engler, Pflanzenr. 2 : 645. 1953.

A biennial or perennial herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri. E.

Lobelia nicotianifolia Roth ex Schultes in Roem. & Schultes, Syst. 5 : 47. 1819,

var. *nicotianifolia*; Wight, Ill. 2 : t. 135. ff. 1-10. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 427. 1881; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.).

Tamil: *Kattupugaiyilai, Upperichedi.*

A large perennial or biennial herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli. E.

Lobelia nicotianifolia Roth ex Schultes var. *trichandra* (Wight) Clarke in Hook. f. Fl. Brit. India 3 : 427. 1881; Gamble, Fl. Pres. Madras 2 : 518. 1957 (repr. ed.). *L. trichandra* Wight, Ic. t. 1171. 1848.

A large perennial or biennial herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

SPHENOCLEACEAE

R. CHANDRASEKARAN

Sphenoclea zeylanica Gaertn. Fruct. 1 : 113. t. 24. f. 5. 1788; Clarke in Hook. f. Fl. Brit. India 3 : 438. 1881; Gamble, Fl. Pres. Madras 2 : 520. 1957 (repr. ed.). *S. pongatium* DC. Prodr. 7 : 548. 1839; Wight, Ill. 2 : t. 138. 1850.

Tamil: *Nandu Kannu.*

A stout herb, in swampy places especially near the coast.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Madurai, Thanjavur.

VACCINIACEAE

R. RAJAN

Vaccinium leschenaultii Wight, Ic. t. 1188. 1848, var. *leschenaultii*; Clarke in Hook. f. Fl. Brit. India 3 : 455. 1882; Gamble, Fl. Pres. Madras 2 : 522. 1957 (repr. ed.).

Tamil: *Kalavu.*

A small tree with pink flowers.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli. E.

Vaccinium leschenaultii Wight var. *rotundifolia* (Wight) Clarke in Hook. f. Fl. Brit. India 3 : 455. 1882; Gamble, Fl. Pres. Madras 2 : 522. 1957 (repr. ed.). *V. rotundifolia* Wight, Ill. 2 : t. 139. 1850.

A small tree with orbicular leaves.

Distrib.: Nilgiri (Gamble 1957).

Vaccinium leschenaultii Wight var. *zeylanica* Clarke in Hook. f. Fl. Brit. India 3 : 455. 1882; Chithra & Rajan in J. Bombay Nat. Hist. Soc. 77 : 365. 1980.

A shrub or small tree.

Distrib.: Tirunelveli. R. +.

Vaccinium neilgherrense Wight in Calcutta J. Nat. Hist. 8 : 173. 1847 & Ic. t. 1189. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 454. 1882, "neilgherrense"; Gamble, Fl. Pres. Madras 2 : 521. 1957 (repr. ed.).

Tamil: *Kalavu*.

A large shrub, occasionally a small tree with white or rose-coloured flowers.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

ERICACEAE

R. RAJAN

Andromeda leschenaultii Broughton in Pharm. J. Trans. ser. 3. 2 : 281. 1872; Razi in Rec. Bot. Surv. India 18 : 3. 1959.

Cultivated in gardens.

Arbutus unedo L. Sp. Pl. 395. 1753.

A shrub or small tree, with drooping panicles; flowers white tinged with green or pink; cultivated in gardens.

Calluna vulgaris (L.) Hull, Brit. Fl. ed. 2. 1 : 114. 1808; Matthew in Rec.

Bot. Surv. India 20(1) : 147. 1969. *Erica vulgaris* L. Sp. Pl. 352. 1753.

An evergreen straggling shrub with pink flowers.

Distrib.: Madurai (Matthew 1969).

Clethra arborea Ait. Hort. Kew. ed. 1. 2 : 73. 1789.

Cultivated in gardens.

Dalboecia polifolia D. Don in Edinburgh New Philos. J. 17 : 160. 1834.

Cultivated in gardens.

Erica arborea L. Sp. Pl. 353. 1753.

Cultivated.

Erica urceolaris Berg. Descr. Pl. Cap. 107. 1767; Matthew in Rec. Bot. Surv. India 20(1) : 148. 1969.

Distrib.: Madurai (Matthew 1969).

Erica vagans L. Diss. Bot. Erica 10. 1770 & Mant. Pl. 230. 1771; Matthew in Rec. Bot. Surv. India 20(1) : 148. 1969.

A low-spreading shrub with erect purplish pink flowers. Used as a hedge plant in gardens.

Gaultheria fragrantissima Wall. in Asiat. Res. 13 : 397. 1820; Clarke in Hook. f. Fl. Brit. India 3 : 457. 1882; Gamble, Fl. Pres. Madras 2 : 522. 1957 (repr. ed.). *G. leschenaultii* DC. Prodr. 7 : 593. 1839; Wight, Ic. t. 1195. 1848.

A large shrub.

Distrib.: Madurai, Nilgiri.

Rhododendron arboreum J. E. Smith subsp. *nilagirium* (Zenk.) Tagg. in Stevenson, Sp. Rhododendron 15. 1930; Chamberlain in Notes Roy. Bot. Gard. Edinburgh 39 : 331. 1982. *R. arboreum* J.E. Smith var. *nilagrica* (Zenk.) Clarke in Hook. f. Fl. Brit. India 3 : 466. 1881.

R. nilagiricum Zenk. in Amer. Sci. Nat. ser. 2. 6 : 150. 1836; Gamble, Fl. Pres. Madras 2 : 523. 1957 (repr. ed.).

Tamil: *Alingi*.

A tree or shrub.

Distrib.: Madurai, Nilgiri.

Rhododendron indicum (L.) Sweet, Hort. Brit. ed. 2. 343. 1830; Matthew in Rec. Bot. Surv. India 20 (1) : 149. 1969. *Azalea indica* L. Sp. Pl. 150. 1753.

A branched, hardy, evergreen shrub; cultivated.

Rhododendron mucronatum G. Don, Gen. Syst. 3 : 846. 1834; Matthew in Rec. Bot. Surv. India 20 (1) : 150. 1969.

A stiff, evergreen, spreading shrub; cultivated.

Rhododendron ponticum L. Sp. Pl. ed. 2. 1 : 562. 1762; Matthew in Rec. Bot. Surv. India 20 (1) : 150. 1969.

A spreading, evergreen shrub or small tree.

Rhododendron simsii Planch. in Fl. Serr. 9 : 78. 1854; Matthew in Rec. Bot. Surv. India 20 (1) : 149. 1969.

A twiggy, evergreen shrub; cultivated.

PLUMBAGINACEAE

M. CHANDRABOSE

Plumbago auriculata Lam. Encycl. 2 : 270. 1786; Steenis, Fl. Males. ser. 1. 4 : 111. 1949. *P. capensis* Thunb. Prodr. Pl. Cap. 33. 1794; Sims in Bot. Mag. t. 2110. 1819; Gamble, Fl. Pres. Madras 2 : 524. 1957 (repr. ed.).

An ornamental climber, cultivated E.

Plumbago indica L. Herb. Amboin. 24. 1754. *P. rosea* L. Sp. Pl. ed. 2. 1:215.1762; Clarke in Hook. f. Fl. Brit. India 3 : 481.

1882; Gamble, Fl. Pres. Madras 2 : 524. 1957 (repr. ed.).

Tamil: *Akkini*, *Cenkodiveli*.

An ornamental climber, cultivated. E.

Plumbago zeylanica L. Sp. Pl. 151. 1753; Wight, Ill. 2 : t. 179. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 480. 1882; Gamble, Fl. Pres. Madras 2 : 524. 1957 (repr. ed.).

Tamil: *Sittragam*, *Chithiramulam*.

An erect or subscandent herb.

Distrib.: All districts. E.

PRIMULACEAE

V. CHITHRA

Anagallis arvensis L. Sp. Pl. 148. 1753; Hook. f. Fl. Brit. India 3 : 506. 1882; Gamble, Fl. Pres. Madras 2 : 525. 1957 (repr. ed.). *A. latifolia* L. Sp. Pl. 149. 1753; Wight, Ic. t. 1205. 1848.

A weed of cultivated fields.

Distrib.: Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, Tiruchchirappalli; "all districts" (Gamble 1957). E.

Anagallis pumila Sw. Prodr. 1 : 40. 1788; Gamble, Fl. Pres. Madras 2 : 525. 1957 (repr. ed.); Bentvelzen in Steenis, Fl. Males. ser. 1. 6 : 176. 1962. *Centunculus tenellus* Duby in DC. Prodr. 8 : 72. 1844; Wight, Ic. t. 2000. 1853; Hook. f. Fl. Brit. India 3 : 506. 1882. *Micropyxis tenella* (Duby) Wight, Ic. t. 1585. 1850.

A small, slender, erect annual weed, among grass.

Distrib.: Coimbatore (FRC), Dharmapuri (Gamble 1957), Madurai (Hook. f. 188.), Nilgiri, Salem, Tiruchchirappalli (Matthew 1981).

Lysimachia candida Lindl. subsp. *obovata* (Buch. - Ham. ex Hook. f.) Kunth in Engler, Pflanzenr. 22 : 301. 1905. *L. obovata* Buch. - Ham. ex Hook.

f. Fl. Brit. India 3 : 502. 1882; Gamble, Fl. Pres. Madras 2 : 525. 1957 (repr. ed.).

A slender herb, on grassy slopes.

Distrib.: Nilgiri (Gamble 1957). E.

Lysimachia leschenaultii Duby in DC. Prodr. 8 : 61. 1844; Wight, Ic. t. 1204. 1848; Hook. f. Fl. Brit. India 3 : 501. 1882; Gamble, Fl. Pres. Madras 2 : 525. 1957 (repr. ed.).

A tall herb, in moist or marshy soils.

Distrib.: Coimbatore, Madurai, Nilgiri.

Lysimachia procumbens Baudo in Ann. Sci. Nat. Bot. 2 : 20. 1843; Bentvelzen in Steenis, Fl. Males. ser. 1. 6 : 183. 1962, adnot. *L. deltoidea* Wight, Ill. 2 : t. 144. 1850; Hook. f. Fl. Brit. India 3 : 505. 1882; Gamble, Fl. Pres. Madras 2 : 525. 1957 (repr. ed.).

A slender trailing herb, on shady banks.

Distrib.: Coimbatore, Madurai, Nilgiri.

MYRSINACEAE

V. CHITHRA

Aegiceras corniculatus (L.) Blanco, Fl. Filip. ed. 1. 79. 1837; Gamble, Fl. Pres. Madras 2 : 532. 1957 (repr. ed.). *Rhizophora corniculata* L. Amoen. Acad. 4 : 123. 1759. *Aegiceras majus* Gaertn. Fruct. 1 : 216. t. 46. f. 1. 1788; Wight, Ill. 2 : t. 146. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 533. 1882.

Tamil: *Narikandam*.

A small tree or large shrub, in mangrove forests and along tidal creeks.

Distrib.: Chengalpattu (Mayuranathan 1929), South Arcot, Thanjavur. E.

Antistrophe serratifolia (Bedd.) Hook. f. in Benth. & Hook. f. Gen. Pl. 2 : 647. 1876; Clarke in Hook. f. Fl. Brit. India 3 : 532. 1882; Gamble, Fl. Pres. Madras 2 : 532. 1957 (repr. ed.). *Ardisia serratifolia*

Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 51. 1864 & Ic. t. 113. 1868 - 1874.

An erect shrub.

Distrib.: Coimbatore. R.

Ardisia amplexicaulis Bedd. Ic. t. 170. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 3 : 521. 1882; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.).

A glabrous shrub, in dense evergreen forests.

Distrib.: Coimbatore (Fischer 1921).

Ardisia blatteri Gamble in Kew Bull. 1921 : 121. 1921 & Fl. Pres. Madras 2 : 531. 1957 (repr. ed.).

A small tree.

Distrib.: Madurai.

Ardisia littoralis Andr. Bot. Repos. 10. t. 630. 1811; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.). *A. humilis* sensu Clarke in Hook. f. Fl. Brit. India 3 : 529. 1882 p.p., non Vahl 1794.

A somewhat succulent shrub.

Distrib.: Coimbatore (FRC), Tirunelveli.

Ardisia missionis Wall. ex A. DC. in DC. Prodr. 8 : 130. 1844; Clarke in Hook. f. Fl. Brit. India 3 : 519. 1882; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.). *A. courtallensis* Wight, Ic. t. 1215. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 520. 1882.

A small tree, in evergreen forests.

Distrib.: Coimbatore (Clarke 1882), Tirunelveli. R.

Ardisia paniculata Roxb. Fl. Ind. 2 : 270. 1824; Clarke in Hook. f. Fl. Brit. India 3 : 519. 1882.

A large shrub.

Distrib.: Coimbatore (Fischer 1921).

Ardisia pauciflora Heyne ex Roxb. Fl. Ind. 2 : 279. 1824; Wight, Ic. t. 1214.

1848; Clarke in Hook. f. Fl. Brit. India 3 : 529. 1882; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.).

A shrub or small tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Ardisia rhomboidea Wight, Ic. t. 1213. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 529. 1882; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.).

A glabrous shrub or small tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (Fyson 1932), Salem (Clarke 1882), Tirunelveli.

Ardisia solanacea Roxb. Pl. Cor. t. 27. 1795; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.). *A. humilis* auct. non Vahl 1794; Wight, Ic. t. 1212. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 529. 1882 p.p.

Tamil: *Manipudbam, Kozhikkottai*.

A large shrub or small tree, usually in moist places and along streams, in evergreen forests.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, South Arcot, Tiruchchirappalli, Tirunelveli. E.

Ardisia sonchifolia Mez in Engler, Pflanzenr. 9 : 116. 1902; Gamble, Fl. Pres. Madras 2 : 531. 1957 (repr. ed.). *A. villosa* Roxb. var. *obtusata* Clarke in Hook. f. Fl. Brit. India 3 : 525. 1882.

A small tree with many-flowered umbels in dichotomous drooping panicles.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957).

Embelia adnata Bedd. ex Clarke in Hook. f. Fl. Brit. India 3 : 524. 1882; Gamble, Fl. Pres. Madras 2 : 529. 1957 (repr. ed.).

A large climbing shrub.

Distrib.: Coimbatore (Gamble 1957), Madurai.

Embelia basaal (Roem. & Schultes) A. DC. in Trans. Linn. Soc. London 17 : 131. 1834; Gamble, Fl. Pres. Madras 2 : 529. 1957 (repr. ed.). *Ardisia basaal* Roem. & Schultes, Syst. 4 : 517. 1819. *Embelia viridiflora* sensu Clarke in Hook. f. Fl. Brit. India 3 : 516. 1882, non Scheff. 1867. *Choripetalum aurantiacum* A. DC. in DC. Prodr. 8 : 88. 1844; Wight, Ic. t. 1210. 1848.

A large climbing shrub.

Distrib.: Almost all districts.

Embelia gardneriana Wight, Ic. t. 1208. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 517. 1882; Gamble, Fl. Pres. Madras 2 : 529. 1957 (repr. ed.).

A large climbing shrub.

Distrib.: Nilgiri. R.

Embelia ribes Burm. f. Fl. Ind. 62. t. 23. 1768; Clarke in Hook. f. Fl. Brit. India 3 : 513. 1882; Gamble, Fl. Pres. Madras 2 : 529. 1957 (repr. ed.). *E. glandulifera* Wight, Ic. t. 1207. 1848.

Tamil: *Kattukodi, Vayuvilanga*.

A large scandent shrub, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli; "W. ghats in all districts" (Gamble 1957).

Embelia tsjeriam-cottam (Roem. & Schultes) DC. in Trans. Linn. Soc. London 17 : 131. 1834; Wight, Ic. t. 1209. 1848; Gamble, Fl. Pres. Madras 2 : 529. 1957 (repr. ed.). *Ardisia tsjeriam-cottam* Roem. & Schultes, Syst. 4 : 518. 1819. *Embelia robusta* sensu Clarke in Hook. f. Fl. Brit. India 3 : 515. 1882, non Roxb. 1820. *E. acutipetalum* (Lam. ex Hassk.) Almeida & Almeida in J.

Bombay Nat. Hist. Soc. 81 : 741. 1984. *Basal acutipetalum* Lam. ex Hassk. Hort. Malab. Rheed. Clavis 40. 1867.

A large shrub or small tree, in deciduous forests.

Distrib.: Coimbatore, Nilgiri, North Arcot (FRC), Salem (FRC), "most forest districts" (Gamble 1957). E.

Maesa indica (Roxb.) DC. in Trans. Linn. Soc. London 17 : 134. 1834; Ramam. in Saldanha & Nicolson, Fl. Hassan Dist. 203. 1976. *Baeobotrys indica* Roxb. Fl. Ind. 2 : 230. 1824. *Maesa dubia* (Wall.) DC. in Trans. Linn. Soc. London 17 : 134. 1834; Clarke in Hook. f. Fl. Brit. India 3 : 510. 1882; Gamble, Fl. Pres. Madras 2 : 527. 1957 (repr. ed.). *Baeobotrys dubia* Wall. in Roxb. Fl. Ind. 2 : 235. 1824. *Maesa perrottetiana* A. DC. in DC. Prodr. 8 : 80. 1844; Gamble, Fl. Pres. Madras 2 : 527. 1957 (repr. ed.). *M. indica* (Roxb.) DC. var. *perrottetiana* (A. DC.) Clarke in Hook. f. Fl. Brit. India 3 : 509. 1882.

A small tree or large shrub, in wastelands and open forests.

Distrib.: Almost all districts.

Rapanea capitellata (Wall.) Mez in Engler, Pflanzenr. 9 : 356. 1902, var. *capitellata*; Gamble, Fl. Pres. Madras 2 : 528. 1957 (repr. ed.). *Myrsine capitellata* Wall. in Roxb. Fl. Ind. 2 : 295. 1824; Wight, Spicil. Neilgh. t. 137. 1851; Clarke in Hook. f. Fl. Brit. India 3 : 512. 1882 p.p.; Matthew & Rani in Matthew, Fl. Tamilnadu Carnatic 3 : 853. 1983.

A small tree or large shrub.

Distrib.: Madurai, Nilgiri.

Rapanea capitellata Mez var. *sessilis* Gamble, Fl. Pres. Madras 750. 1921 & 2 : 528. 1957 (repr. ed.).

A small tree or large shrub, on grasslands at higher elevations.

Distrib.: Coimbatore, Nilgiri, Salem.

Rapanea daphnoides Mez in Engler, Pflanzenr. 9 : 357. 1902; Gamble, Fl. Pres. Madras 2 : 528. 1957 (repr. ed.).

A shrub.

Distrib.: Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Rapanea thwaitesii Mez in Engler, Pflanzenr. 9 : 357. 1902; Gamble, Fl. Pres. Madras 2 : 528. 1957 (repr. ed.).

A small tree.

Distrib.: Madurai (Gamble 1957), Salem (Fyson 1932).

Rapanea wightiana (Wall. ex DC.) Mez in Engler, Pflanzenr. 9 : 360. 1902; Gamble, Fl. Pres. Madras 2 : 528. 1957 (repr. ed.). *Myrsine wightiana* Wall. ex DC. in Trans. Linn. Soc. London 17 : 106. 1834. *M. capitellata* Wall. var. *lanceolata* Clarke in Hook. f. Fl. Brit. India 3 : 512. 1882. *M. capitellata* sensu Wight, Ic. t. 1211. 1848, non Wall. 1824.

A small tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli.

THEOPHRASTACEAE

V. CHITHRA

Jacquinia barbasco (Loefl.) Mez in Engl r, Pflanzenr. 15 : 32. 1903. *Chrysophyllum barbasco* Loefl. Iter. Hispan. 204 & 277. 1758.

A tree, cultivated. E.

SAPOTACEAE

P. BHARGAVAN

Chrysophyllum roxburghii G. Don, Gen. Syst. 4 : 33. 1838; Bedd. Fl. Sylv. t. 236. 1873; Clarke in Hook. f. Fl. Brit. India 3 : 535. 1882; Gamble, Fl. Pres. Madras 2 : 533. 1957 (repr. ed.). *C. lanceolatum*

(Blume) A. DC. in DC. Prodr. 8:162. 1844, non Casaretto 1843; Vink in Blumea 9 : 28. 1958. *Nycterrisition lanceolatum* Blume, Bijdr. 676. 1826.

Tamil: *Kappalei*.

A lofty tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981). E.

Isonandra lanceolata Wight, Ic. t. 359. 1840, forma *lanceolata* ; Clarke in Hook. f. Fl. Brit. India 3 : 539. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.).

A small tree, in the fringes of sholas.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Isonandra lanceolata Wight forma *anfractuosa* (Clarke) Jeuken in Blumea 6 : 560. 1952. *I. lanceolata* Wight var. *anfractuosa* Clarke in Hook. f. Fl. Brit. India 3 : 539. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Kanniyakumari.

Isonandra montana (Thw.) Gamble, Fl. Pres. Madras 761. 1921 & 2 : 535. 1957 (repr. ed.). *I. wightiana* DC. var. *montana* Thw. Enum. Pl. Zeyl. 177. 1864; Clarke in Hook. f. Fl. Brit. India 3 : 540. 1882.

A small tree, in deciduous forests; leaves with recurved margins.

Distrib.: Coimbatore, Salem.

Isonandra perrottetiana A. DC. in DC. Prodr. 8 : 188. 1844; Wight, Ic. t. 1219. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 539. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.). *I. candolleana* Wight, Ic. t. 1220. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 539. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.).

A tree, in sholas.

Distrib.: Coimbatore (Fischer 1921), Kanniyakumari, Madurai, Nilgiri.

Isonandra stocksii Clarke in Hook. f. Fl. Brit. India 3 : 539. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.).

A small tree, in deciduous forests.

Distrib.: Coimbatore (Gamble 1957). R.

Isonandra villosa Wight, Ic. t. 360. 1840; Clarke in Hook. f. Fl. Brit. India 3 : 538. 1882; Gamble, Fl. Pres. Madras 2 : 535. 1957 (repr. ed.).

A medium-sized tree with thick branches and glabrous coriaceous leaves.

Distrib.: Chengalpattu.

Madhuca longifolia (Koen.) Macbr. in Contr. Gray Herb. n.s. 53 : 17. 1918, var. *longifolia*. *Bassia longifolia* Koen. in L. Mant. Pl. 563. 1771; Bedd. Fl. Sylv. t. 42. 1869; Clarke in Hook. f. Fl. Brit. India 3 : 544. 1882; Gamble, Fl. Pres. Madras 2 : 537. 1957 (repr. ed.).

Tamil: *Illupai*, *Naatu iluppai*.

A large deciduous tree; calyx brown tomentose.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Nilgiri, South Arcot, Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981). E.

Madhuca longifolia (Koen.) Macbr. var. *latifolia* (Roxb.) A. Cheval. in Rev. Int. Bot. Appl. Agric. Trop. 23 : 149. 1943. *Bassia latifolia* Roxb. Pl. Cor. t. 19. 1795; Clarke in Hook. f. Fl. Brit. India 3 : 544. 1882; Gamble, Fl. Pres. Madras 2 : 536. 1957 (repr. ed.).

Tamil: *Illupai*.

A medium-sized tree, in the ghats along streams.

Distrib.: Almost all districts. E.

Madhuca nerifolia (Moon) H. J. Lam in Bull. Jard. Bot. Buitenzorg ser. 3. 7 : 182 & 265. 1925. *Bassia nerifolia* Moon, Cat. Pl. Ceylon 36. 1824.

B. malabarica Bedd. For. Man. Bot. 140. 1872; Clarke in Hook. f. Fl. Brit. India 3 : 544. 1882; Gamble, Fl. Pres. Madras 2 : 537. 1957 (repr. ed.).

Tamil: *Atta Illupei*.

A large tree with yellowish white flowers.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli (Gamble).

Manilkara hexandra (Roxb.) Dubard in Ann. Inst. Bot. Geol. Colon. Marseille 23 : 9. f. 2. 1915; P. Royen in Blumea 7 : 408. 1953. *Mimusops hexandra* Roxb. Pl. Cor. t. 15. 1795; Clarke in Hook. f. Fl. Brit. India 3 : 549. 1882; Gamble, Fl. Pres. Madras 2 : 538. 1957 (repr. ed.).

Tamil: *Palla, Kannupalalai*.

A small tree, in dry forests.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Dharmapuri (Matthew 1981), Nilgiri, North Arcot, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli. E.

Manilkara roxburghiana (Wight) Dubard in Ann. Inst. Bot. Geol. Colon. Marseille 23 : 10. f. 3. 1915. *Mimusops roxburghiana* Wight, Ic. t. 1588. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 548. 1882; Gamble, Fl. Pres. Madras 2 : 538. 1957 (repr. ed.).

Tamil: *Kanopalei*.

A large evergreen tree; wood reddish brown.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli. E.

Manilkara zapota (L.) P. Royen in Blumea 7 : 410. 1953; Moore & Stearn in Taxon 16 : 383. 1967. *Achras zapota* L. Sp. Pl. 1190. 1753; Clarke in Hook. f. Fl. Brit. India 3 : 534. 1882; Gamble, Fl. Pres. Madras 2 : 533. 1957 (repr. ed.). *Manilkara achras* (Mill.) Fosberg in Taxon

13 : 255. 1964. *Sapota achras* Mill. Gard. Dict. ed. 8. n. 1. 1768.

Tamil: *Sapota*.

A spreading tree; cultivated for its fruits. E.

Mimusops elengi L. Sp. Pl. 349. 1753; Wight, Ic. t. 1586. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 548. 1882; Gamble, Fl. Pres. Madras 2 : 538. 1957 (repr. ed.).

Tamil: *Mahila*.

A large spreading tree; flowers scented.

Distrib.: Almost all districts. E.

Palaquium ellipticum (Dalz.) Baillon, Traite Bot. Med. Phan. 1500. 1884; Gamble, Fl. Pres. Madras 2 : 537. 1957 (repr. ed.). *Bassia elliptica* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 36. 1851; Bedd. Fl. Sylv. t. 43. 1869. *Dichopsis elliptica* (Dalz.) Benth. & Hook. f. Gen. Pl. 2 : 658. 1876; Clarke in Hook. f. Fl. Brit. India 3 : 542. 1882.

Tamil: *Kat Illupei*.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Xantolis tomentosa (Roxb.) Rafin. Sylva Tell. 35. 1833, var. *tomentosa*. *Sideroxylon tomentosum* Roxb. Pl. Cor. t. 28. 1795; Clarke in Hook. f. Fl. Brit. India 3 : 538. 1882; Gamble, Fl. Pres. Madras 2 : 534. 1957 (repr. ed.).

A small thorny tree, in deciduous forests.

Distrib.: Coimbatore, Nilgiri.

Xantolis tomentosa (Roxb.) Rafin. var. *elengioides* (A. DC.) Vajravelu in Biol. Mem. 2(1 & 2) : 86. 1977. *Sapota elengioides* A. DC. in DC. Prodr. 8 : 177. 1844; Wight, Ic. t. 1218. 1848. *Sideroxylon tomentosum* Roxb. var. *elengioides* (A. DC.) Gamble, Fl. Pres. Madras 759. 1921 & 2 : 534. 1957 (repr. ed.).

Tamil: *Palei*.

A small tree with long thorns, in evergreen forests.

Distrib.: Madurai, Nilgiri.

EBENACEAE

P. BHARGAVAN

Diospyros affinis Thw. Enum. Pl. Zeyl. 179. 1860; Bedd. Ic. t. 127. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 566. 1882; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.).

A medium-sized tree with yellow flowers.

Distrib.: Tirunelveli (Gamble 1957).

Diospyros assimilis Bedd. in Madras For. Rep. 20. t. 1. 1866-1867; Clarke in Hook. f. Fl. Brit. India 3 : 558. 1882; Gamble, Fl. Pres. Madras 2 : 545. 1957 (repr. ed.).

Tamil: *Karunthali*.

A large tree, in evergreen forests; flowers pale yellow.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Diospyros barberi Ramaswami in J. Asiat. Soc. Bengal 10 : 47. t. 34. 1914; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli.

Diospyros bourdillonii Brandis, Indian Trees 435. 1906; Gamble, Fl. Pres. Madras 2 : 547. 1957 (repr. ed.).

Tamil: *Karunchatthi*.

A large tree with blackish bark, flowers cauline, fruits large; calyx cup like.

Distrib.: Coimbatore.

Diospyros buxifolia (Blume) Hiern in Trans. Cambridge Philos. Soc. 12 : 218.

1873. *Leucoxylum buxifolium* Blume, Bijdr. 1169. 1827. *Diospyros microphylla* Bedd. Ic. t. 133. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 559. 1882; Gamble, Fl. Pres. Madras 2 : 546. 1957 (repr. ed.).

Tamil: *Chinnathuvarei*.

A large tree, in evergreen forests.

Distrib.: Coimbatore.

Diospyros candolleana Wight, Ic. tt. 1221 & 1222. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 566. 1882; Gamble, Fl. Pres. Madras 2 : 543. 1957 (repr. ed.). *D. canarica* Bedd. Ic. t. 134. 1868-1874.

A medium-sized tree with pale yellow flowers, in evergreen forests.

Distrib.: Nilgiri.

Diospyros chloroxylon Roxb. Pl. Cor. t. 49. 1795; Clarke in Hook. f. Fl. Brit. India 3 : 560. 1882; Gamble, Fl. Pres. Madras 2 : 546. 1957 (repr. ed.).

A large, often thorny shrub, in dry places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, South Arcot.

Diospyros cordifolia Roxb. Pl. Cor. t. 50. 1795; Gamble, Fl. Pres. Madras 2 : 545. 1957 (repr. ed.). *D. montana* Roxb. var. *cordifolia* (Roxb.) Clarke in Hook. f. Fl. Brit. India 3 : 555. 1882.

A small, deciduous thorny tree, in dry localities.

Distrib.: Nilgiri.

Diospyros discolor Willd. Sp. Pl. 4 : 1108. 1806; Gamble, Fl. Pres. Madras 2 : 547. 1957 (repr. ed.).

A small tree with brown hairy globose fruits; cultivated. E.

Diospyros ebenum Koen. in Physiogr. Salsk. Mag. 1 : 176. 1781; Wight, Ic. t. 188. 1839; Clarke in Hook. f. Fl. Brit.

India 3 : 558. 1882; Gamble, Fl. Pres. Madras 2 : 545. 1957 (repr. ed.).

Tamil: *Acha Tumbi*, *Karumkali*, *Pallapaimaram*.

A medium-sized tree with greenish yellow flowers.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli; South Arcot and Tiruchchirappalli (Matthew 1981). E.

Diospyros ferrea (Willd.) Bakh. var. *buxifolia* (Rottb.) Bakh. in Bull. Jard. Bot. Buitenzorg ser. 3. 15 : 57. 1936. *Pisonia buxifolia* Rottb. in Nye Saml. Kongel. Danske Vidensk. Selsk. Skr. 2 : 536. t. 4. f. 2. 1783. *Maba buxifolia* (Rottb.) Juss. in Ann. Mus. Hist. Nat. 5 : 418. 1804; Wight, Ic. t. 763. 1843; Clarke in Hook. f. Fl. Brit. India 3 : 551. 1882 p.p.

Tamil: *Iramballi*.

A large shrub with red fruits, in dry zones.

Distrib.: Almost all districts.

Diospyros ferrea (Willd.) Bakh. var. *neilgherrensis* (Wight) Bakh. in Bull. Jard. Bot. Buitenzorg ser. 3. 15 : 57. 1936. *Maba neilgherrensis* Wight, Ill. 2 : t. 148. bis. E. 1850; Gamble, Fl. Pres. Madras 2 : 540. 1957 (repr. ed.).

A small tree, in deciduous forests.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Diospyros foliolosa Wall. ex A. DC. in DC. Prodr. 8 : 234. 1844; Clarke in Hook. f. Fl. Brit. India 3 : 556. 1882; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.). *D. calycina* Bedd. Fl. Sylv. t. 68. 1870, non Spach 1838.

Tamil: *Velleithuvarei*.

A medium-sized tree with bright yellow flowers.

Distrib.: Kanniyakumari, Ramanathapuram, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Diospyros humilis Bourd. in J. Bombay Nat. Hist. Soc. 12: 352. t. 4. 1899; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.). *D. orixensis* Wight ex Hiern in Trans. Cambridge Philos. Soc. 12 : 264. 1873, non Willd. 1805; Clarke in Hook. f. Fl. Brit. India 3 : 571. 1882.

Tamil: *Velleithuvarei*.

A small tree with white flowers, in evergreen forests.

Distrib.: Tirunelveli.

Diospyros insignis Thw. Enum. Pl. Zeyl. 180. 1860; Bedd. Ic. t. 130. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 565. 1882; Gamble, Fl. Pres. Madras 2 : 543. 1957 (repr. ed.).

A large tree with yellowish flowers.

Distrib.: Coimbatore.

Diospyros malabarica (Desr.) Kostel. Allg. Med. Pharm. Fl. 3 : 1099. 1834. *Garcinia malabarica* Desr. in Lam. Encycl. 3 : 701. 1792. *Diospyros peregrina* auct. non Guerke 1891; Gamble, Fl. Pres. Madras 2 : 566. 1957 (repr. ed.). *D. embryopteris* Pers. Syn. 2 : 624. 1807; Bedd. Fl. Sylv. t. 69. 1870; Hook. f. Fl. Brit. India 3 : 556. 1882.

Tamil: *Tumbika*.

A medium-sized spreading tree with coriaceous leaves; tender leaves pinkish.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, Salem, South Arcot, (Matthew 1981), Tirunelveli.

Diospyros melanoxylon Roxb. Pl. Cor. t. 46. 1795; Clarke in Hook. f. Fl. Brit. India 3 : 564. 1882; Gamble, Fl. Pres. Madras 2 : 543. 1957 (repr. ed.). *D. dubia* Wall. ex A. DC. in DC. Prodr. 8 : 223. 1844; Wight, Ic. t. 1233. 1848.

Tamil: *Karai, Karumdumbi, Tumbi, Beedi elai.*

A medium-sized tree, in dry zones.

Distrib.: Coimbatore (Fischer 1921), Nilgiri, Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Diospyros montana Roxb. Pl. Cor. t. 48. 1795 (excl. fruit); Wight, Ic. t. 1225. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 555. 1882; Gamble, Fl. Pres. Madras 2 : 545. 1957 (repr. ed.).

Tamil: *Vakkanai.*

A medium-sized tree, in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli (RHT).

Diospyros nilgirica Bedd. Ic. t. 136. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 566. 1882; Gamble, Fl. Pres. Madras 2 : 545. 1957 (repr. ed.).

Tamil: *Karu.*

A medium-sized tree with yellow flowers, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri; Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Diospyros oocarpa Thw. Enum. Pl. Zeyl. 180. 1860; Clarke in Hook. f. Fl. Brit. India 3 : 560. 1882; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.).

A moderate-sized tree with shining leaves.

Distrib.: Coimbatore (CAL).

Diospyros ovalifolia Wight, Ic. t. 1227. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 559. 1882; Gamble, Fl. Pres. Madras 2 : 546. 1957 (repr. ed.).

Tamil: *Vedukkanari.*

A small tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli; Dharmapuri, Salem and South Arcot (Matthew 1981).

Diospyros paniculata Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4 : 109. 1852; Bedd. Ic. t. 125. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 570. 1882; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.).

Tamil: *Karunthuvarei.*

A large tree, in evergreen forests; bracts large and prominent.

Distrib.: Coimbatore (Gamble 1957), Nilgiri.

Diospyros pruriens Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4 : 110. 1852; Bedd. Ic. t. 129. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 553. 1882; Gamble, Fl. Pres. Madras 2 : 544. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Gamble 1957).

Diospyros racemosa Roxb. Fl. Ind. 2 : 536. 1824; Wight, Ic. t. 416. 1840. *D. toposia* Buch. Ham. in Trans. Linn. Soc. London 15 : 115. 1827; Bedd. Ic. t. 122. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 556. 1882; Gamble, Fl. Pres. Madras 2 : 547. 1957 (repr. ed.).

A large tree, in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957).

Diospyros sylvatica Roxb. Pl. Cor. t. 47. 1795; Bedd. Ic. t. 121. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 559. 1882; Gamble, Fl. Pres. Madras 2 : 543. 1957 (repr. ed.).

A medium-sized tree with green flowers.

Distrib.: Coimbatore (Fischer 1921), Tamilnadu Carnatic (Matthew 1983).

Diospyros walkeri (Wight) Guerke in Engler & Prantl, Pflanzenf. 4 (1) : 162. 1897; Kosterm. in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 3 : 33. 1981. *Patonia walkeri* Wight, Ill. 1 : 18. 1840. *Diospyros gardneri* Thw. Enum. Pl. Zeyl. 181. 1860; Clarke in Hook. f. Fl. Brit. India 3 : 561. 1882; Fischer in Rec. Bot. Surv. India 9 (1) : 110. 1921.

A small tree, in hilly terrain.

Distrib.: Coimbatore (Fischer 1921).

SYMPLOCACEAE

R. GOPALAN

Symplocos anamallayana Bedd. For. Man. Bot 150. 1872 & Ic. t. 116. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 581. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.).

A small tree with solitary flowers, in sholas.

Distrib.: Coimbatore, Madurai (Balasubramanian 1972). R.

Symplocos cochinchinensis (Lour.) Moore subsp. *laurina* (Retz.) Nooteb. Rev. Symplocac. Old World 156. 1975. *Myrtus laurinus* Retz. Obs. Bot. 4 : 26. 1786. *Symplocos spicata* Roxb. var. *laurina* (Retz.) Clarke in Hook. f. Fl. Brit. India 3 : 573. 1882 p.p.; Gamble, Fl. Pres. Madras 2 : 549. 1957 (repr. ed.).

Tamil: *Kambli - Vetti*.

A small tree, common in semievergreen forests.

Distrib.: In most of the districts.

Symplocos foliosa Wight, Ic. t. 1234. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 582. 1882; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.). *S. nervosa* Wight, Ic. t. 1235. 1848, non DC. 1844.

A tree with characteristic reticulate, serrate leaves and white flowers, in sholas at high altitudes.

Distrib.: Madurai, Nilgiri.

Symplocos macrocarpa Wight ex Clarke in Hook. f. Fl. Brit. India 3 : 582. 1882, subsp. *macrocarpa*; Gamble, Fl. Pres. Madras 2 : 549. 1957 (repr. ed.).

A small or medium-sized tree.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Symplocos macrocarpa Wight ex Clarke subsp. *kanarana* (Talbot) Nooteb. Rev. Symplocac. Old World 22. 1975. *S. kanarana* Talbot in J. Bombay Nat. Hist. Soc. 11 : 238. t. 9. 1897-1898; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.).

A medium-sized tree.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957). O.

Symplocos macrophylla Wall. ex A. DC. in DC. Prodr. 8 : 257. 1844, subsp. *macrophylla*; Clarke in Hook. f. Fl. Brit. India 3 : 578. 1882. *S. gardneriana* Wight, Ic. t. 1231. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 582. 1882; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.).

A tree with white flowers; in sholas.

Distrib.: Coimbatore, Nilgiri. R.

Symplocos macrophylla Wall. ex A. DC. subsp. *microphylla* (Wight) Nooteb. Rev. Symplocac. Old World 229. 1975. *S. microphylla* Wight, Ic. t. 1232. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 581. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.).

A bushy shrub, in sholas at higher elevations.

Distrib.: Nilgiri. O.

Symplocos macrophylla Wall. ex A. DC. subsp. *rosea* (Bedd.) Nooteb. Rev. Symplocac. Old World 229. 1975. *S. rosea* Bedd. in Trans. Linn. Soc. London 25:

219. 1866; Clarke in Hook. f. Fl. Brit. India 3 : 583. 1882; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.). *S. barberi* Gamble in Kew Bull. 1921 : 219. 1921 & Fl. Pres. Madras 2 : 550. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli. R.

Symplocos monantha Wight, Ic. t. 1236. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 581. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.).

A shrub in sholas.

Distrib.: Tirunelveli (Gamble 1957).
O. R. +.

Symplocos nairii Henry, Gopalan & Swamin. in J. Bombay Nat. Hist. Soc. 81 : 169. 1984.

A shrub or tree, in sholas.

Distrib.: Kanniyakumari.

Symplocos obtusa Wall. ex G. Don, Gen. Syst. 4 : 3. 1837-1838; Wight, Ic. t. 1233. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 583. 1882; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.).

A tree, in sholas at higher elevations.

Distrib.: Coimbatore (Clarke 1882), Madurai, Nilgiri. R.

Symplocos oligandra Bedd. For. Man. Bot. 150. 1872 & Ic. t. 272. 1868-1874; Clarke in Hook. f. Fl. Brit. India 3 : 574. 1882; Gamble, Fl. Pres. Madras 2 : 549. 1957 (repr. ed.).

A medium-sized tree, in sholas.

Distrib.: Kanniyakumari, Tirunelveli. R.

Symplocos pendula Wight, Ic. t. 1237. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 587. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.). *S. sessilis* Clarke in Hook. f. Fl. Brit. India 3 : 587. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.).

A shrub or small tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli. R.

Symplocos pulchra Wight, Ic. t. 1230. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 583. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.).

A diffuse shrub, in hills.

Distrib.: Nilgiri. O.

Symplocos racemosa Roxb. Fl. Ind. 2 : 539. 1832; Clarke in Hook. f. Fl. Brit. India 3 : 576. 1882. *S. beddomei* Clarke in Hook. f. Fl. Brit. India 3 : 582. 1882; Gamble, Fl. Pres. Madras 2 : 551. 1957 (repr. ed.). *S. candolleana* Brand in Engler, Pflanzenr. 6 : 49. 1901; Gamble, Fl. Pres. Madras 2 : 549. 1957 (repr. ed.).

Tamil: *Velli-lethi*.

A small tree or shrub, in semievergreen forests.

Distrib.: Coimbatore (Brand 1901), Nilgiri. R.

Symplocos wynadense (Kuntze) Nooteb. Rev. Symplocac. Old World 293. 1975. *Eugeniodes wynadense* Kuntze, Rev. Gen. Pl. 2 : 975. 1891. *Symplocos acuminata* Bedd. For. Man. Bot. 150. 1872 & Ic. t. 117. 1868-1874, non Miq. 1859; Clarke in Hook. f. Fl. Brit. India 3 : 583. 1882; Gamble, Fl. Pres. Madras 2 : 550. 1957 (repr. ed.).

A small tree, in sholas.

Distrib.: Kanniyakumari, Tirunelveli. R.

OLEACEAE

P. BHARGAVAN

Chionanthus leprocarpa Thw. var. *courtallensis* (Bedd.) K.K.N. Nair in J. Econ. Tax. Bot. 7 : 354. 1985. *C. courtallensis* Bedd. For. Man. Bot. 155. 1872. *Linociera leprocarpa* Thw. var. *courtallensis* (Bedd.)

Clarke in Hook. f. Fl. Brit. India 4 : 609. 1882. *L. courtallensis* (Bedd.) Bourd. For. Trees Travancore 260. 1908; Gamble, Fl. Pres. Madras 2 : 558. 1957 (repr. ed.).

A medium-sized tree with white flowers.

Distrib.: Tirunelveli (PCM).

Chionanthus linocieroides (Wight) Bennet & Raizada in Indian J. For. 4 : 68. 1981. *Olea linocieroides* Wight, Ic. t. 1241. 1848. *Linociera wightii* Clarke in Hook. f. Fl. Brit. India 3 : 608. 1882; Gamble, Fl. Pres. Madras 2 : 558. 1957 (repr. ed.).

A small tree with white flowers.

Distrib.: Kanniyakumari, Tirunelveli.

Chionanthus macrophylla Blume, Mus. Bot. Lugduno Batavum 1 : 317. 1851. *Linociera macrophylla* (Blume) Wall. ex Clarke in Hook. f. Fl. Brit. India 3 : 610. 1882; Gamble, Fl. Pres. Madras 2 : 558. 1957 (repr. ed.).

A tree with white flowers, in moist deciduous forests.

Distrib.: Madurai, Nilgiri.

Chionanthus mala-elengi (Dennst.) P.S. Green in Bull. Bot. Surv. India 26 : 124. 1984(1985). *Forsythia mala-elengi* Dennst. Schluess. Hort. Ind. Malab. 12, 21 & 31. 1818. *Linociera malabarica* Wall. ex G. Don, Gen. Syst. 4 : 53. 1837-1838; Wight, Ic. t. 1246. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 607. 1887; Gamble, Fl. Pres. Madras 2 : 558. 1957 (repr. ed.). *Chionanthus malabaricus* (Wall. ex G. Don) Bedd. Fl. Sylv. t. 239. 1872.

A tree in evergreen forests; flowers white or yellowish.

Tamil: *Sorkili*.

Distrib.: Almost all districts.

Chionanthus ramiflora Roxb. Fl. Ind. 1 : 107. 1832. *Linociera ramiflora* (Roxb.) Wall. ex G. Don, Gen. Syst. 4 : 52.

1837-1838. *L. intermedia* Wight, Ic. t. 1245. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 609. 1882; Gamble, Fl. Pres. Madras 2 : 558. 1957 (repr. ed.).

Tamil: *Perumsithudakki*.

A large tree with white flowers.

Distrib.: Coimbatore, Nilgiri, North Arcot, Salem, Tiruchchirappalli; Dharmapuri and South Arcot (Matthew 1981).

Chionanthus zeylanica L. Sp. Pl. 8. 1753. *Linociera purpurea* Vahl, Enum. Pl. 1 : 47. 1804; Clarke in Hook. f. Fl. Brit. India 3 : 608. 1882. *L. zeylanica* (L.) Gamble, Fl. Pres. Madras 794. 1922 & 2 : 558. 1957 (repr. ed.).

A small tree, in dry deciduous forests.

Distrib.: Chengalpattu, Kanniyakumari, Madurai; Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Jasminum angustifolium (L.) Willd. Sp. Pl. 1 : 36. 1797, var. *angustifolium*; Wight, Ic. t. 698. 1840; Clarke in Hook. f. Fl. Brit. India 3:598. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.); P.S. Green in Kew Bull. 40 : 226. 1985. *Nyctanthes angustifolia* L. Sp. Pl. 6. 1753.

Tamil: *Kaattumalligai*.

A wiry climbing shrub with white flowers.

Distrib.: Almost all districts.

Jasminum angustifolium (L.) Willd. var. *sessiliflorum* (Vahl) P. S. Green in Kew Bull. 40 : 227. 1985. *J. sessiliflorum* Vahl, Enum. Pl. 1 : 29. 1804; Clarke in Hook. f. Fl. Brit. India 3 : 597. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A branched climber with smaller leaves.

Tamil: *Kuruvilaangkodi*.

Distrib.: Chengalpattu, Madurai, Nilgiri, Ramanathapuram, South Arcot, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Jasminum arborescens Roxb. Fl. Ind. 1 : 95. 1832; Wight, Ic. t. 699. 1840; Clarke in Hook. f. Fl. Brit. India 3 : 594. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.).

A large climbing shrub with white fragrant flowers.

Distrib.: Nilgiri.

Jasminum auriculatum Vahl, Symb. Bot. 3 : 1. 1794; Wight, Ic. t. 700. 1840; Clarke in Hook. f. Fl. Brit. India 3 : 600. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

Tamil: *Mullai*.

A climbing shrub with white flowers; cultivated.

Jasminum azoricum L. Sp. Pl. 7. 1753, var. *azoricum*. *J. flexile* Vahl, Symb. Bot. 3 : 1. 1794; Wight, Ic. t. 1253. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 601. 1882; Gamble Fl. Pres. Madras 2 : 556. 1957 (repr. ed.).

Tamil: *Perumalli*.

A climbing shrub with white fragrant flowers.

Distrib.: Coimbatore, Madurai, Nilgiri, South Arcot, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981).

Jasminum azoricum L. var. *travancoreense* (Gamble) Mohanan in J. Econ. Tax. Bot. 6 : 480. 1985. *J. flexile* Vahl var. *travancoreense* Gamble, Fl. Pres. Madras 791. 1923 & 2 : 556. 1957 (repr. ed.).

A climbing shrub with white flowers.

Distrib.: Kanniyakumari, Nilgiri.

Jasminum bignoniaceum Wall. ex G. Don, Gen. Syst. 4 : 63. 1837-1838; Fyson, Fl. South Indian Hill St. 2 : t. 327. 1932; Gamble, Fl. Pres. Madras 2 : 556. 1957 (repr. ed.). *J. humile* sensu Clarke in

Hook. f. Fl. Brit. India 3 : 602. 1882 p.p., non L. 1753.

A shrub with angular branchlets and yellow flowers.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Tiruchchirappalli.

Jasminum brevilobum A. DC. in DC. Prodr. 8 : 307. 1844; Clarke in Hook. f. Fl. Brit. India 3 : 600. 1882; Fyson, Fl. South Indian Hill St. 2 : t. 326. 1932; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A large climbing shrub with spirally twisted stem.

Distrib.: Madurai, Nilgiri, Salem (Matthew 1981).

Jasminum calophyllum Wall. ex A. DC. in DC. Prodr. 8 : 310. 1844; Wight, Ic. t. 252. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 602. 1882; Gamble, Fl. Pres. Madras 2 : 556. 1957 (repr. ed.).

A slender climber with white flowers.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Jasminum cordifolium Wall. ex G. Don, Gen. Syst. 4 : 60. 1837-1838; Clarke in Hook. f. Fl. Brit. India 3 : 596. 1882; Fyson, Fl. South Indian Hill St. 2 : t. 325. 1932; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A large climbing shrub with twisted stem and white flowers.

Distrib.: Nilgiri, Ramanathapuram, Tirunelveli.

Jasminum cuspidatum Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 192. 1803. *J. rigidum* Zenk. Pl. Ind. 5. t. 6. 1835; Wight, Ic. t. 1247. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 598.

1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

Tamil: *Oosimalligai*.

An erect shrub with white flowers.

Distrib.: Almost all districts.

Jasminum grandiflorum L. Sp. Pl. ed. 2. 1 : 9. 1762; Wight, Ic. t. 1257. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 603. 1882; Gamble, Fl. Pres. Madras 2 : 556. 1957 (repr. ed.).

Tamil: *Manmathabaanam*.

A climbing shrub with white fragrant flowers.

Distrib.: Coimbatore, Salem, South Arcot, Tirunelveli.

Jasminum malabaricum Wight, Ic. t. 1250. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 594. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.).

A large climbing shrub with white fragrant flowers, in higher elevations.

Distrib.: Nilgiri, Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981).

Jasminum mesnyi Hance in J. Bot. 20 : 37. 1882. *J. primulinum* Hemsl. ex Baker in Kew Bull. 1895 : 109. 1895; Matthew in Rec. Bot. Surv. India 20 (1) : 151. 1969.

A climbing shrub with white flowers; cultivated.

Jasminum multiflorum (Burm. f.) Andr. Bot. Repos. 8 : t. 496. 1807. *Nyctanthes multiflora* Burm. f. Fl. Ind. 5. t. 3. f. 1. 1768. *Jasminum pubescens* Willd. Sp. Pl. 1 : 37. 1797; Clarke in Hook. f. Fl. Brit. India 3 : 592. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.). *J. bracteatum* Roxb. Fl. Ind. 1 : 92. 1820; Wight, Ic. t. 1248. 1848.

A climbing shrub, flowers white in dense capitate cymes.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Tirunelveli.

Jasminum officinale L. Sp. Pl. 7. 1753; Clarke in Hook. f. Fl. Brit. India 3 : 603. 1882; Brandis, Indian Trees 452. 1906.

A climbing shrub with white flowers.

Distrib.: Madurai.

Jasminum ritchiei Clarke in Hook. f. Fl. Brit. India 3 : 598. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A branched climbing shrub with white flowers.

Distrib.: Coimbatore, Nilgiri, Pudukkottai, Salem, Tirunelveli.

Jasminum rottlerianum Wall. ex A. DC. in DC. Prodr. 8 : 305. 1844; Wight, Ic. t. 1249. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 593. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.).

A large climbing shrub with white flowers.

Distrib.: Coimbatore (Fischer 1921).

Jasminum sambac (L.) Ait. Hort. Kew. ed. 1. 1 : 8. 1789, var. *sambac*; Wight, Ic. t. 704. 1840; Clarke in Hook. f. Fl. Brit. India 3 : 591. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.). *Nyctanthes sambac* L. Sp. Pl. 6. 1753.

Tamil: *Malligai*.

An erect or climbing shrub with fragrant white flowers; cultivated. E.

Jasminum sambac (L.) Ait. var. *heyneanum* Clarke in Hook. f. Fl. Brit. India 3 : 592. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.).

A slender climber with small ovate acuminate leaves.

Distrib.: Madurai.

Jasminum scandens Vahl, Symb. Bot. 3 : 2. 1794; Clarke in Hook. f. Fl. Brit.

India 3 : 595. 1882; Gamble, Fl. Pres. Madras 2 : 554. 1957 (repr. ed.).

A climbing shrub with white flowers.

Distrib.: Nilgiri.

Jasminum trichotomum Heyne ex Roth, Nov. Pl. Sp. 6. 1821; Clarke in Hook. f. Fl. Brit. India 3 : 599. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A climbing shrub with white fragrant flowers.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Thanjavur, Tiruchchirappalli.

Jasminum wightii Clarke in Hook. f. Fl. Brit. India 3 : 598. 1882; Gamble, Fl. Pres. Madras 2 : 555. 1957 (repr. ed.).

A very slender climber.

Distrib.: Coimbatore (Gamble 1957).

Ligustrum decaisnei Clarke in Hook. f. Fl. Brit. India 3 : 616. 1882, var. *decaisnei*; Gamble, Fl. Pres. Madras 2 : 560. 1957 (repr. ed.).

A shrub with stiff branchlets.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Ligustrum decaisnei Clarke var. *microphylla* Clarke in Hook. f. Fl. Brit. India 3 : 616. 1882; Gamble, Fl. Pres. Madras 2 : 561. 1957 (repr. ed.).

A shrub with diffuse panicles.

Distrib.: Kanniyakumari, Salem, Tirunelveli.

Ligustrum gamblei Ramam. in Saldanha & Nicolson, Fl. Hassan Dist. 513. 1976. *L. roxburghii* Clarke in Hook. f. Fl. Brit. India 3 : 615. 1882, non Blume 1850; Gamble, Fl. Pres. Madras 2 : 560. 1957 (repr. ed.). *Visiania robusta* (Roxb.) A.D.C. in DC. Prodr. 8 : 305. 1844;

Wight, Ic. t. 1242. 1848. *Phillyrea robusta* Roxb. Fl. Ind. 1 : 101. 1820, non *Ligustrum robustum* Blume 1850.

Tamil: *Sittilingi*.

A small tree with broad panicles.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Ligustrum lucidum Ait. Hort. Kew. ed. 2. 1 : 19. 1810; Gamble, Fl. Pres. Madras 2 : 561. 1957 (repr. ed.).

A small tree found in gardens, at higher elevations.

Ligustrum perrottetii DC. Prodr. 8 : 294. 1844; Clarke in Hook. f. Fl. Brit. India 3 : 615. 1882; Fyson, Fl. South Indian Hill St. 2 : t. 329. 1932; Gamble, Fl. Pres. Madras 2 : 560. 1957 (repr. ed.). *L. neilgherrense* Wight. Ic. t. 1243. 1848; Hook. f. Fl. Brit. India 3 : 615. 1882.

A large shrub or small tree, in the fringes of forests.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Ligustrum robustum (Roxb.) Blume subsp. *walkeri* (Decne.) P.S. Green in Kew Bull. 40 : 130. 1985. *L. walkeri* Decne. in Nouv. Arch. Mus. Hist. Nat. ser. 2. 2 : 27. 1879; Clarke in Hook. f. Fl. Brit. India 3 : 614. 1882; Gamble, Fl. Pres. Madras 2 : 560. 1957 (repr. ed.).

A small tree with large bracteate panicles.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Ligustrum travancoricum Gamble in Kew Bull. 1922: 119. 1922 & Fl. Pres. Madras 2 : 560. 1957 (repr. ed.).

A small tree with depressed panicles.

Distrib.: Coimbatore, Kanniyakumari, Salem, Tirunelveli.

Myxopyrum serratum A.W. Hill in Kew Bull. 1910 : 41. 1910; Gamble, Fl. Pres. Madras 2 : 561. 1957 (repr. ed.).
M. smilacifolium Blume, Mus. Bot. Lugduno-Batavum 1 : 320. 1851; Clarke in Hook. f. Fl. Brit. India 3 : 618. 1882 p.p.

A large climbing shrub, in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Olea dioica Roxb. Fl. Ind. 1 : 105. 1820; Wight, Ill. 2 : t. 151. 1850; Hook. f. Fl. Brit. India 3 : 612. 1882; Gamble, Fl. Pres. Madras 2 : 559. 1957 (repr. ed.).

Tamil: *Koli, Payar, Yedalei*.

A medium-sized tree with cream-white flowers.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, South Arcot, Tirunelveli.

Olea glandulifera Wall. ex G. Don, Gen. Syst. 4 : 49. 1837 - 1838; Wight, Ic. t. 1238. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 612. 1882; Fyson, Fl. South Indian Hill St. 2 : t. 328. 1932; Gamble, Fl. Pres. Madras 2 : 559. 1957 (repr. ed.). *O. bournei* Fyson in Kew Bull. 1914 : 186. 1914.

Tamil: *Perumpungu*.

A medium-sized tree with white flowers, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram; Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Olea polygama Wight, Ic. tt. 1239 & 1240. 1848; Clarke in Hook. f. Fl. Brit. India 3 : 613. 1882; Gamble, Fl. Pres. Madras 2 : 559. 1957 (repr. ed.).

A small tree with white flowers, in sholas.

Distrib.: Nilgiri, Tirunelveli.

Schrebera swietenoides Roxb. Pl. Cor. t. 101. 1799; Clarke in Hook. f. Fl. Brit. India 3 : 604. 1882; Gamble, Fl. Pres. Madras 2 : 557. 1957 (repr. ed.).

Tamil: *Mogalinga, Pasarai*.

A tree with yellowish brown flowers.

Distrib.: Coimbatore, Nilgiri; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

NYCTANTHACEAE

P. BHARGAVAN

Nyctanthes arbor-tristis L. Sp. Pl. 6. 1753; Bedd. Fl. Sylv. t. 240. 1872; Clarke in Hook. f. Fl. Brit. India 3 : 603. 1882; Gamble, Fl. Pres. Madras 2 : 556. 1957 (repr. ed.).

Tamil: *Parijatham, Pavalamalli*.

A small tree with white flowers; cultivated.

SALVADORACEAE

P. BHARGAVAN

Azima tetraantha Lam. Encycl. 1 : 343. 1783; Wight, Ill. 2 : t. 152. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 620. 1882; Gamble, Fl. Pres. Madras 2 : 562. 1957 (repr. ed.).

Tamil: *Ichanka, Mulsangu*.

A spreading shrub with sharp spines and small flowers, in dry areas.

Distrib.: Almost all districts.

Salvadora persica L. var. *wightiana* (Planch. ex Thw.) Verdc. in Kew Bull. 19 : 150. 1964. *S. wightiana* Planch. ex Thw. Enum. Pl. Zeyl. 190. 1860. *S. persica* sensu Roxb. Fl. Ind. 1 : 389. 1832, non L. 1753; Clarke in Hook. f. Fl. Brit. India 3 : 619. 1882; Gamble, Fl. Pres. Madras 2 : 562. 1957 (repr. ed.). *S. indica* Wight, Ill. 2 : t. 181. 1850.

Tamil: *Opa, Kodumaavali.*

A large shrub with small flowers, in evergreen forests.

Distrib.: Almost all districts.

APOCYNACEAE

S.R. SRINIVASAN

Aganosma cymosa (Roxb.) G. Don, Gen. Syst. 4 : 77. 1837-1838; Hook. f. Fl. Brit. India 3 : 665. 1882 incl. var. *elegans*; Gamble, Fl. Pres. Madras 2 : 576. 1957 (repr. ed.). *Echites cymosa* Roxb. Fl. Ind. 2 : 16. 1832; Wight, Ic. t. 395. 1840.

Tamil: *Seellakkodi, Manimalaankodi.*

A large rambling climber.

Distrib.: In most of the districts.

Aganosma dichotoma (Roth) K. Schum. in Engler & Prantl, Pflanzenf. 4(2) : 173. 1895; Gamble, Fl. Pres. Madras 2 : 576. 1957 (repr. ed.). *Echites dichotoma* Roth, Nov. Pl. Sp. 136. 1821. *Aganosma caryophyllata* G. Don, Gen. Syst. 4 : 77. 1837-1838; Hook. f. Fl. Brit. India 3 : 664. 1832.

A large climber.

Distrib.: Chengalpattu, Nilgiri. E.

Allamanda cathartica L. var. *nobilis* Bailey, Stand. Cyclop. Hort. 1 : 246. 1914. *A. cathartica* L. Mant. Pl. 214. 1771 p.p.; Gamble, Fl. Pres. Madras 2 : 577. 1957 (repr. ed.).

Tamil: *Manjal-patti.*

A straggling shrub; frequently grown in gardens. E.

Alstonia scholaris (L.) R. Br. in Mem. Wern. Nat. Hist. Soc. 1 : 76. 1811; Wight, Ic. t. 422. 1841; Hook. f. Fl. Brit. India 3 : 642. 1882; Gamble, Fl. Pres. Madras 2 : 569. 1957 (repr. ed.). *Echites scholaris* L. Mant. Pl. 53. 1767.

Tamil: *Mukampalai, Pala.*

A large evergreen tree, both in evergreen and deciduous forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Ramanathapuram, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981). E.

Alstonia venenata R. Br. in Mem. Wern. Nat. Hist. Soc. 1 : 77. 1811; Wight, Ic. t. 436. 1841; Hook. f. Fl. Brit. India 3 : 642. 1882; Gamble, Fl. Pres. Madras 2 : 569. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, South Arcot, Tirunelveli. E.

Anodendron paniculatum A. DC. in DC. Prodr. 8 : 444. 1844; Hook. f. Fl. Brit. India 3 : 668. 1882; Gamble, Fl. Pres. Madras 2 : 576. 1957 (repr. ed.). *Echites paniculata* Roxb. Fl. Ind. 2 : 17. 1832, non Poir. 1812; Wight, Ic. t. 396. 1840. *Anodendron manubriatum* Merr. in Philipp. J. Sci. 7 : 333. 1912.

Tamil: *Sarakkodi.*

A very large climber, in dry open forests.

Distrib.: Coimbatore, Salem (Matthew 1981). E.

Beaumontia grandiflora Wall. Tent. Fl. Nep. t. 7. 1824; Hook. f. Fl. Brit. India 3 : 660. 1882; Gamble, Fl. Pres. Madras 2 : 575. 1957 (repr. ed.).

A stout woody climber; cultivated in gardens for its beautiful ball-shaped white flowers. E.

Beaumontia jerdoniana Wight, Ic. tt. 1314 & 1315. 1848; Hook. f. Fl. Brit. India 3 : 661. 1882; Gamble, Fl. Pres. Madras 2 : 575. 1957 (repr. ed.).

A large climbing shrub, sometimes grown in garden as an ornamental. E.

Carissa carandas L. Mant. Pl. 52. 1767; Roxb. Pl. Cor. t. 77. 1798; Wight, Ic. t. 426. 1841; Hook. f. Fl. Brit. India 3 : 630. 1882; Gamble, Fl. Pres. Madras 2 : 565. 1957 (repr. ed.).

Tamil: *Kalaaha, Kila, Kalakkay.*

A large thorny shrub or small tree, in dry forests and often cultivated. E.

Carissa congesta Wight, Ic. t. 1289. 1848; Gamble, Fl. Pres. Madras 2 : 565. 1957 (repr. ed.). *C. carandas* L. var. *congesta* (Wight) Bedd. For. Man. Bot. 156. 1872; Hook. f. Fl. Brit. India 3 : 631. 1882.

An erect shrub.

Distrib.: Tirunelveli.

Carissa grandiflora A. DC. in DC. Prodr. 8 : 335. 1844.

A shrub with spines; cultivated in gardens. E.

Carissa hirsuta Roth, Nov. Pl. Sp. 128. 1821; Gamble, Fl. Pres. Madras 2 : 566. 1957 (repr. ed.). *C. spinarum* L. var. *hirsuta* (Roth) Hook. f. Fl. Brit. India 3 : 631. 1881. *C. villosa* Roxb. Fl. Ind. 1 : 690. 1832; Wight, Ic. t. 437. 1841.

A thorny shrub, in dry hills.

Distrib.: Coimbatore, Nilgiri, Pudukkottai, Ramanathapuram, Salem (Matthew 1981).

Carissa inermis Vahl, Symb. Bot. 3 : 43. 1794; Gamble, Fl. Pres. Madras 2 : 565. 1957 (repr. ed.). *C. macrophylla* Wall. ex A. DC. in DC. Prodr. 8 : 332. 1844; Hook. f. Fl. Brit. India 3 : 631. 1882.

A large climbing shrub, in evergreen forests.

Distrib.: Coimbatore, Nilgiri. E.

Carissa paucinervis A. DC. in DC. Prodr. 8 : 333. 1844; Wight, Ic. t. 1290.

1848; Hook. f. Fl. Brit. India 3 : 631. 1882; Gamble, Fl. Pres. Madras 2 : 566. 1957 (repr. ed.).

A diffuse bushy shrub, in hills.

Distrib.: Coimbatore, Dharmapuri, Nilgiri.

Carissa salicina Lam. Encycl. 1 : 554. 1785; Gamble, Fl. Pres. Madras 2 : 566. 1957 (repr. ed.).

A thorny shrub with narrow leaves.

Distrib.: Coimbatore, South Arcot.

Carissa spinarum L. Mant. Pl. 559. 1771, var. *spinarum*; Hook. f. Fl. Brit. India 3 : 631. 1882; Gamble, Fl. Pres. Madras 2 : 565. 1957 (repr. ed.). *C. diffusa* Roxb. Fl. Ind. 2 : 524. 1824; Wight, Ic. t. 427. 1841.

Tamil: *Chirukila, Chiru.*

A large thorny shrub with zigzag branches, in dry scrub forests.

Distrib.: Almost all districts. E.

Carissa spinarum L. var. *microphylla* Gamble, Fl. Pres. Madras 805. 1921 & 2 : 566. 1957 (repr. ed.).

A shrub near coastal areas.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot.

Cascabela thevetia (L.) Lippold in Feddes Repert. 91 : 52. 1980. *Cerbera thevetia* L. Sp. Pl. 209. 1753. *Thevetia nereifolia* Juss. ex Steud. Nomencl. ed. 2. 2 : 680. 1841, "nereifolia"; Gamble, Fl. Pres. Madras 2 : 577. 1957 (repr. ed.).

Tamil: *Pachaarali, Ponnarali.*

An erect bush or small tree, cultivated in gardens and occasionally found run wild. E.

Catharanthus pusillus (Murr.) G. Don, Gen. Syst. 4 : 95. 1837-1838. *Vinca pusilla* Murr. in Novi Comment. Soc. Regiae

Sci. Gott. 3 : 66. t. 2. f. 1. 1773; Hook. f. Fl. Brit. India 3 : 640. 1882. *Lochnera pusilla* (Murr.) K. Schum. in Engler & Prantl, Pflanzenf. 4(2) : 145. 1895; Gamble, Fl. Pres. Madras 2 : 568. 1957 (repr. ed.).

Tamil: *Paalaich Chetthai*.

A common, annual weed, in fields.

Distrib.: Almost all districts. E.

Catharanthus roseus (L.) G. Don, Gen. Syst. 4 : 95. 1837-1838. *Vinca rosea* L. Syst. Nat. ed. 10. 944. 1759; Hook. f. Fl. Brit. India 3 : 640. 1882. *Lochnera rosea* (L.) Reichb. Consp. Reg. Veg. 134. 1828; Gamble, Fl. Pres. Madras 2 : 569. 1957 (repr. ed.).

Tamil: *Nithyakalyani*.

A shrub, commonly cultivated in gardens and found run wild. E.

Cerbera odollam Gaertn. Fruct. 2 : 193. t. 124. f. 1. 1791; Wight, Ic. t. 441. 1841; Hook. f. Fl. Brit. India 3 : 638. 1882; Huber in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 4 : 53. 1983. *C. manghas* L. Sp. Pl. 208. 1753 p.p.; Gamble, Fl. Pres. Madras 2 : 566. 1957 (repr. ed.).

Tamil: *Kadama, Katarali*.

A large, glabrous shrub or a small tree, in salt swamps and backwaters of coastal areas.

Distrib.: Chengalpattu. E.

Chonemorpha fragrans (Moon) Alston in Ann. Roy. Bot. Gard. (Peradeniya) 11 : 203. 1929. *Echites fragrans* Moon, Cat. Pl. Ceylon 20. 1824. *Chonemorpha macrophylla* (Roxb.) G. Don, Gen. Syst. 4 : 76. 1837-1838; Wight, Ic. t. 432. 1841; Hook. f. Fl. Brit. India 3 : 661. 1882; Gamble, Fl. Pres. Madras 2 : 575. 1957 (repr. ed.). *Echites macrophylla* Roxb. Fl. Ind. 2 : 13. 1832, non H.B.K. 1819.

A large climber, in moist forests.

Distrib.: Nilgiri. E.

Ellertonia rheedii Wight, Ic. t. 1295. 1848; Hook. f. Fl. Brit. India 3 : 641. 1882; Gamble, Fl. Pres. Madras 2 : 570. 1957 (repr. ed.).

A climber, in evergreen forests.

Distrib.: Tirunelveli.

Funtumia africana (Benth.) Stapf in Hook. Icon. Pl. tt. 2696 & 2697. 1901. *Kickxia africana* Benth. in Hook. Icon. Pl. t. 1276. 1879.

An alien tree, cultivated in gardens. E.

Holarrhena antidiysenterica (Roxb. ex Fleming) Wall. Cat. 45. n. 1672. 1828; A. DC. in DC. Prodr. 8 : 413. 1844; Hook. f. Fl. Brit. India 3 : 644. 1882; Gamble, Fl. Pres. Madras 2 : 570. 1957 (repr. ed.). *Echites antidiysenterica* Roxb. ex Fleming in Asiat. Res. 2 : 166. 1810. *Holarrhena codaga* G. Don, Gen. Syst. 4 : 78. 1837-1838; Wight, Ic. t. 1297. 1848.

Tamil: *Veppalei, Kodagapalei, Qudrabam, Kuthuppaelai*.

A small tree, in deciduous forests.

Distrib.: Coimbatore, Dharmapuri, North Arcot, Salem, South Arcot (Matthew 1981), Tirunelveli. E.

Hunteria zeylanica (Retz.) Gard. ex Thw. Enum. Pl. Zeyl. 191. 1860. *Cameraria zeylanica* Retz. Obs. Bot. 4 : 24. 1786. *Hunteria corymbosa* Roxb. Fl. Ind. 1 : 695. 1832; Hook. f. Fl. Brit. India 3 : 637. 1882; Gamble, Fl. Pres. Madras 2 : 568. 1957 (repr. ed.). *H. roxburghiana* Wight, Ic. t. 1294. 1848.

A small tree, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. E.

Ichnocarpus frutescens (L.) R. Br. in Ait. Hort. Kew. ed. 2. 2 : 69. 1811; Wight, Ic. t. 430. 1841; Hook. f. Fl. Brit. India 3 : 669. 1882; Gamble, Fl.

Pres. Madras 2 : 576. 1957 (repr. ed.).
Apocynum frutescens L. Sp. Pl. 213. 1753.

Tamil: *Udargodi, Paravalli.*

A much-branched climber in plains and lower hills; on hedges and open places.

Distrib.: In most of the districts. E.

Kopsia fruticosa (Ker-Gawl.) A. DC. in DC. Prodr. 8 : 352. 1844; Hook. f. Fl. Brit. India 3 : 639. 1882; Gamble, Fl. Pres. Madras 2 : 577. 1957 (repr. ed.).
Cerbera fruticosa Ker-Gawl. in Bot. Reg. 5 : t. 391. 1819.

A large evergreen shrub, commonly cultivated in gardens. E.

Mandevilla laxa (Ruiz & Pavon) Woodson in Ann. Missouri Bot. Gard. 19 : 68. 1932 & 20 : 695. 1933. *Echites laxa* Ruiz & Pavon, Fl. Per. 2 : 19. t. 134. 1799; Matthew in Rec. Bot. Surv. India 20(1) : 152. 1969. *Mandevilla suaveolens* Lindl. in Edward's Bot. Reg. 26 : t. 7. 1840; Curtis, Bot. Mag. t. 3797. 1840.

An evergreen, branched, leafy climber; cultivated. E.

Nerium oleander L. Sp. Pl. 209. 1753; Grant et al. in Smithsonian Contr. Bot. 17 : 53. 1974. *N. indicum* Mill. Gard. Dict. ed. 8. n. 2. 1768. *N. odorum* Soland. in Ait. Hort. Kew. ed. 1. 1 : 297. 1789; Hook. f. Fl. Brit. India 3 : 655. 1882; Gamble, Fl. Pres. Madras 2 : 577. 1957 (repr. ed.).

Tamil: *Karaviram, Sevyarali.*

A large shrub, often cultivated in gardens. E.

Parsonsia alboflavescens (Dennst.) Mabberley in Taxon 26 : 532. 1977. *Periploca alboflavescens* Dennst. Schluess. Hort. Ind. Malab. 12 : 23 & 35. 1818. *Parsonsia spiralis* Wall. ex G. Don,

Gen. Syst. 4 : 80. 1837-1838; Hook. f. Fl. Brit. India 3 : 650. 1882; Gamble, Fl. Pres. Madras 2 : 572. 1957 (repr. ed.).
Heligme rheedii Wight, Ic. t. 1303. 1848.

A glabrous twining shrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tiruchchirappalli. E.

Plumeria alba L. Sp. Pl. 210. 1753.

Tamil: *Peru, Seemai arali.*

A tree, cultivated in gardens. E.

Plumeria rubra L. Sp. Pl. 209. 1753. *P. acutifolia* Poir. in Lam. Encycl. Suppl. 2 : 667. 1812; Wight, Ic. t. 471. 1841; Hook. f. Fl. Brit. India 3 : 641. 1882; Gamble, Fl. Pres. Madras 2 : 577. 1957 (repr. ed.).

Tamil: *Arali, Kallimandharai, Malaiarali.*

A small tree with a crooked trunk; commonly cultivated in gardens. E.

Rauvolfia densiflora (Wall.) Benth. ex Hook. f. Fl. Brit. India 3 : 633. 1882; Gamble, Fl. Pres. Madras 2 : 567. 1957 (repr. ed.). *Tabernaemontana densiflora* Wall. in Edward's Bot. Reg. 15 : t. 1273. 1829. *Ophioxylon neilgherrense* Wight, Ic. t. 1292. 1848.

A large shrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli. E.

Rauvolfia hookeri Srinivasan & Chithra nom. nov. *R. beddomei* Hook. f. Fl. Brit. India 3 : 634. 1882; ^{nom. illeg.} Gamble, Fl. Pres. Madras 2 : 568. 1957 (repr. ed.). *Tabernaemontana verticillata* Bedd. For. Man. Bot. 157. Anal. Gen. t. 20/3. 1872, non *Rauvolfia verticillata* Baill. 1895.

A large dichotomously branched, glabrous shrub.

Distrib.: Kanniyakumari, Tirunelveli (Gamble 1957).

Rauvolfia micrantha Hook. f. Fl. Brit. India 3 : 633. 1882; Gamble, Fl. Pres. Madras 2 : 567. 1957 (repr. ed.).

A slender shrub with minute lenticels; in hills.

Distrib.: Nilgiri. E. R.

Rauvolfia serpentina (L.) Benth. ex Kurz, For. Fl. Burma 2 : 171. 1877; Hook. f. Fl. Brit. India 3 : 632. 1882; Gamble, Fl. Pres. Madras 2 : 567. 1957 (repr. ed.). *Ophioxylon serpentinum* L. Sp. Pl. 1043. 1753; Wight, Ic. t. 849. 1844-1845.

Tamil: *Chivanamelipodi*, *Covannamilpodi*, *Sarpagaanthi*.

A herbaceous undershrub mostly in cleared forest areas; also cultivated for its roots. E.

Rauvolfia tetraphylla L. Sp. Pl. 208. 1753; Sulochana in J. Indian Bot. Soc. 38 : 586. 1959. *R. canescens* L. Sp. Pl. ed. 2. 1 : 303. 1762; Gamble, Fl. Pres. Madras 2 : 568. 1957 (repr. ed.).

Tamil: *Pampukaalaachchedi*, *Sivana-malipodi*.

A small, branched, woody shrub, cultivated in gardens. E.

Strophanthus wightianus Wall. ex Wight, Ic. t. 1301. 1848; Hook. f. Fl. Brit. India 3 : 656. 1882; Gamble, Fl. Pres. Madras 2 : 574. 1957 (repr. ed.).

A climbing shrub, in hills.

Distrib.: Coimbatore, Tiruchchirappalli (RHT). E.

Tabernaemontana divaricata (L.) R. Br. ex Roem. & Schultes, Syst. 4 : 427. 1819. *Nerium divaricatum* L. Sp. Pl. 209. 1753. *Tabernaemontana coronaria* (Jacq.) Willd. Enum. Pl. Hort. Berol. 275. 1809; Wight, Ic. t. 477. 1841; Hook. f. Fl. Brit. India 3 : 646. 1882. *Nerium coronarium* Jacq. Coll. Bot. 1 : 138. 1786. *Ervatamia coronaria* (Jacq.) Stapf in

Dyer, Fl. Trop. Africa 4 : 127. 1902; Gamble, Fl. Pres. Madras 2 : 571. 1957 (repr. ed.). *E. divaricata* (L.) Burkill in Rec. Bot. Surv. India 10 : 320. 1925.

Tamil: *Nandiyavattam*, *Adukkunandiyavattai*, *Karerduppalai*.

A shrub, commonly cultivated in gardens. E.

Tabernaemontana gamblei Subram. & Henry in Bull. Bot. Surv. India 12 : 1. 1970. *Ervatamia caudata* Gamble in Kew Bull. 1921 : 310. 1921 & Fl. Pres. Madras 2 : 571. 1957 (repr. ed.), non *Tabernaemontana caudata* Merr. 1909.

A shrub, in evergreen forests.

Distrib.: Coimbatore, Salem (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

Tabernaemontana heyneana Wall. in Edward's Bot. Reg. 15 : t. 1273. 1829; Hook. f. Fl. Brit. India 3 : 646. 1882. *Ervatamia heyneana* (Wall.) Cooke, Fl. Pres. Bombay 2 : 134. 1904; Gamble, Fl. Pres. Madras 2 : 572. 1957 (repr. ed.).

A small deciduous tree, in open forests.

Distrib.: Coimbatore (FRC), Kanniyakumari, Nilgiri, Tirunelveli.

Vallaris solanacea (Roth) Kuntze, Rev. Gen. Pl. 417. 1891; Gamble, Fl. Pres. Madras 2 : 573. 1957 (repr. ed.). *Peltanthera solanacea* Roth, Nov. Pl. Sp. 132. 1821. *Vallaris heynei* Spreng. Syst. Veg. 1 : 635. 1825; Hook. f. Fl. Brit. India 3 : 650. 1882. *V. dichotoma* (Roxb.) Wall. ex G. Don, Gen. Syst. 4 : 79. 1837-1838; Wight, Ic. t. 438. 1841. *Echites dichotoma* Roxb. Fl. Ind. 2 : 19. 1832.

A large straggling shrub, in dry forests and on hedges; sometimes cultivated.

Distrib.: Chengalpattu, Coimbatore, Madurai, Salem (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli. E.

Vinca major L. Sp. Pl. 209. 1753; Bor & Raiz. Beautif. Ind. Climbers Shrubs 202. 1954.

A gregarious herb; grows as a weed along drainage and hedges; originally cultivated but now runs wild in hill stations of India. E.

Wrightia arborea (Dennst.) Mabberley in Taxon 26 : 533. 1977. *Periploca arborea* Dennst. Schluess. Hort. Ind. Malab. 13 : 23 & 25. 1818. *Wrightia tomentosa* Roem. & Schultes, Syst. 4 : 414. 1819; Wight, Ic. t. 443. 1841; Hook. f. Fl. Brit. India 3 : 653. 1882; Gamble, Fl. Pres. Madras 2 : 573. 1957 (repr. ed.).

Tamil: *Pala, Palai, Karupaalai.*

A small deciduous tree, in hills.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, Tirunelveli; Dharmapuri and Tiruchchirappalli (Matthew 1981). E.

Wrightia coccinea Sims in Bot. Mag. t. 2696. 1826.

Cultivated in gardens. E.

Wrightia indica Ngan in Ann. Missouri Bot. Gard. 52 : 140. 1965.

A shrub or small tree.

Distrib.: "Madras : Coonoor ghat. Hosur Taluk, Dharmapuri Dt." (Ngan 1965). O.

Wrightia tinctoria (Roxb.) R. Br. in Mem. Wern. Nat. Hist. Soc. 1 : 47. 1811, var. *tinctoria*; Wight, Ic. t. 444. 1841; Hook. f. Fl. Brit. India 3 : 653. 1882; Gamble, Fl. Pres. Madras 2 : 573. 1957 (repr. ed.). *Nerium tinctorium* Roxb. in Orient. Repert. 1 : 39. cum tab. 1791.

Tamil: *Nilapalai, Vetpalai, Vapaalai, Irumpaalai.*

A small deciduous tree, in hills.

Distrib.: Almost all districts. E.

Wrightia tinctoria (Roxb.) R. Br. var. *rothii* (G. Don) Hook. f. Fl. Brit. India 3 : 653. 1882; Gamble, Fl. Pres. Madras 2 : 573. 1957 (repr. ed.). *W. rothii* G. Don, Gen. Syst. 4 : 86. 1837-1838; Wight, Ic. t. 1319. 1848.

A small deciduous tree, in dry forests.

Distrib.: Chengalpattu, Tirunelveli.

ASCLEPIADACEAE

S.R. SRINIVASAN

Asclepias curassavica L. Sp. Pl. 215. 1753; Hook. f. Fl. Brit. India 4 : 18. 1883; Gamble, Fl. Pres. Madras 2 : 585. 1957 (repr. ed.).

An erect herb, in waste places and on roadsides; often planted in gardens.

Distrib.: Almost all districts. E.

Brachystelma bourneae Gamble in Kew Bull. 1922 : 120. 1922 & Fl. Pres. Madras 2 : 599. 1957 (repr. ed.).

A tall very slender herb, in hills at low levels.

Distrib.: Madurai (Gamble 1957). R. +.

Brachystelma brevitubulatum (Bedd.) Gamble, Fl. Pres. Madras 852. 1923 & 2 : 599. 1957 (repr. ed.). *Ceropegia brevitubulata* Bedd. Ic. t. 174. 1868-1874. *Brachystelma beddomei* Hook. f. Fl. Brit. India 4 : 66. 1883.

A slender twining herb, on dry rocky hills.

Distrib.: North Arcot (Gamble 1957). R. +.

Brachystelma maculatum Hook. f. Fl. Brit. India 4 : 65. 1883; Gamble, Fl. Pres. Madras 2 : 599. 1957 (repr. ed.).

A tall slender herb, in ghats.

Distrib.: Coimbatore (CAL).

Brachystelma rangacharii Gamble in Kew Bull. 1922 : 120. 1922 & Fl. Pres. Madras 2 : 599. 1957 (repr. ed.).

A tall, very slender herb, in ghats.

Distrib.: ".....Hassanur Coimbatore (Rangachari)" - (Gamble 1957). R. +.

Calotropis gigantea (L.) R. Br. in Ait. Hort. Kew. ed. 2. 2 : 78. 1811; Wight, Ill. 2 : tt. 155 & 156A. 1850; Hook. f. Fl. Brit. India 4 : 17. 1883; Gamble, Fl. Pres. Madras 2 : 585. 1957 (repr. ed.). *Asclepias gigantea* L. Sp. Pl. 214. 1753.

Tamil: *Erukku, Arkkam.*

A large milky shrub, in waste places and on roadsides.

Distrib.: In all districts. E.

Calotropis procera (Ait.) R. Br. in Ait. Hort. Kew. ed. 2. 2 : 78. 1811; Wight, Ic. t. 1278. 1848; Hook. f. Fl. Brit. India 4 : 18. 1883; Gamble, Fl. Pres. Madras 2 : 585. 1957 (repr. ed.). *Asclepias procera* Ait. Hort. Kew. ed. 1. 1 : 305. 1789.

Tamil: *Vellerukku.*

A milky shrub, in drier localities and waste places.

Distrib.: Madurai. E.

Caralluma adscendens (Roxb.) Haw. Syn. Pl. Succ. 47. 1812, var. *adscendens*; Hook. f. Fl. Brit. India 4 : 76. 1883; Gamble, Fl. Pres. Madras 2 : 605. 1957 (repr. ed.). *Stapelia adscendens* Roxb. Pl. Cor. t. 30. 1795.

Tamil: *Muyal Kombuchedi.*

A fleshy herb, in arid places among bushes.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli. E. R.

Caralluma adscendens (Roxb.) Haw. var. *attenuata* (Wight) Grøv. & Mayuranathan in Bull. Madras Govt. Museum

n. s. 4 : 13. 1931. *C. attenuata* Wight, Ic. t. 1268. 1848; Hook. f. Fl. Brit. India 4 : 76. 1883; Gamble, Fl. Pres. Madras 2 : 605. 1957 (repr. ed.). *C. fimbriata* Hook. f. Fl. Brit. India 4 : 77. 1883, non Wall. 1829.

Tamil: *Kallimulaiyaan.*

A fleshy herb, among bushes in hills and on dry slopes of ghats.

Distrib.: In all districts. E.

Caralluma bhupinderana Sarkaria in Natl. Cact. Succ. J. 35 (3) : 68-72.

A succulent herb, stems grouping from base.

Distrib.: ".....Palayamkottai-Tuticorin....." (Sarkaria).

Caralluma diffusa (Wight) N. E. Br. in Gard. Chron. 2 : 369. 1892; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.). *Boucerosia diffusa* Wight, Ic. t. 1599. 1850; Hook. f. Fl. Brit. India 4 : 78. 1883.

A diffuse, procumbent fleshy herb, on arid rocky hills.

Distrib.: Coimbatore (CAL & FRC). R. +.

Caralluma indica (Wight & Arn.) N. E. Br. in Gard. Chron. 2 : 369. 1892; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.). *Hutchinia indica* Wight & Arn. in Wight, Contrib. 34. 1834. *Boucerosia hutchinia* Decne. in DC. Prodr. 7 : 649. 1839; Hook. f. Fl. Brit. India 4 : 78. 1883.

A small fleshy herb.

Distrib.: Chengalpattu, Coimbatore, South Arcot (Gamble 1957). E.

Caralluma lasiantha (Wight) N. E. Br. in Gard. Chron. 2 : 369. 1892; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.). *Boucerosia lasiantha* Wight, Ic. t. 1286. 1848.

A branched fleshy herb, in dry lands.

Distrib.: Salem.

Caralluma nilagiriana Kumari & Subba Rao in J. Bombay Nat. Hist. Soc. 73 : 194. ff. 1-12. 1976.

A small herb, in hills.

Distrib.: Nilgiri. O. R. +.

Caralluma pauciflora (Wight) N. E. Br. in Gard. Chron. 2 : 278. 1892; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.). *Boucerosia pauciflora* Wight in Madras J. Lit. Sci. 6 : 473. 1837; Hook. f. Fl. Brit. India 4 : 78. 1883.

A small diffuse fleshy herb.

Distrib.: Madurai, Ramanathapuram, Tirunelveli.

Caralluma procumbens Grav. & Mayuranathan in Bull. Madras Govt. Mus. n.s. 4 : 26. t. 4. ff. 13-17. 1931; Fischer in Gamble, Fl. Pres. Madras 3 : 1303. 1957 (repr. ed.).

A trailing herb, rooting among rocks.

Distrib.: Kanniyakumari (Grav. & Mayuranathan 1931).

Caralluma stalagmifera Fischer in Kew Bull. 1925 : 430. 1925 & Gamble, Fl. Pres. Madras 3 : 1303. 1957 (repr. ed.).

An erect fleshy herb.

Distrib.: Chengalpattu and Pudukkottai (Fischer 1957). R.

Caralluma umbellata Haw. Syn. Pl. Succ. 47. 1812; Gamble, Fl. Pres. Madras 2 : 605. 1957 (repr. ed.). *Stapelia umbellata* (Haw.) Roxb. Pl. Cor. t. 241. 1815. *Boucerosia umbellata* (Haw.) Wight & Arn. in Wight, Contrib. 34. 1834; Wight, Ic. t. 495. 1841; Hook. f. Fl. Brit. India 4 : 77. 1883 incl. var. *campanulata*. *Caralluma campanulata* (Wight) N. E. Br. in Gard. Chron. 2 : 369. 1892; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.). *Boucerosia campanulata* Wight, Ic. t. 1287. 1848.

Tamil: *Kalmulaiyaan*, *Sirumkalli*, *Yerumdi Kannimulliyar*.

An erect succulent herb, in hilly regions, on dry and arid lands.

Distrib.: In most of the districts.

Ceropegia barnesii Bruce & Chatterjee in Kew Bull. 1948 : 62. 1948; M.Y. Ansari in Fas. Fl. India 16 : 10. 1984.

A twiner with glabrous stem.

Distrib.: Nilgiri (M.Y. Ansari 1984).

Ceropegia bulbosa Roxb. Pl. Cor. t. 7. 1795, var. *bulbosa*; Wight, Ic. t. 845. 1844-1845; Hook. f. Fl. Brit. India 4 : 67. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.).

A slender, fleshy twining herb, in dry localities and especially near sea coast.

Distrib.: South Arcot. E.

Ceropegia bulbosa Roxb. var. *lushii* (Graham) Hook. f. Fl. Brit. India 4 : 68. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.); M.Y. Ansari in Fas. Fl. India 16 : 11. 1984. *C. lushii* Graham in Bot. Mag. t. 3300. 1834. *C. acuminata* Roxb. Pl. Cor. t. 8. 1795; Hook. f. Fl. Brit. India 4 : 70. 1883; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.).

A slender twiner.

Distrib.: "Cultivated in Madras (Bourne), Coimbatore?" (Gamble 1957).

Ceropegia candelabrum L. Sp. Pl. 211. 1753, var. *candelabrum*; Hook. f. Fl. Brit. India 4 : 70. 1883; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.); Huber in Mem. Soc. Brot. 12 : 58. 1957 p.p.

A slender climber.

Distrib.: Coimbatore, Madurai, North Arcot, Ramanathapuram. E.

Ceropegia candelabrum L. var. *biflora* (L.) M.Y. Ansari in Fas. Fl. India 16 : 12.

1984. *C. biflora* L. Sp. Pl. 211. 1753. *C. tuberosa* Roxb. Pl. Cor. t. 9. 1795; Hook. f. Fl. Brit. India 4 : 70. 1883 p.p.; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.). *C. intermedia* sensu Hook. f. Fl. Brit. India 4 : 71. 1883 p.p., non Wight 1848.

A twining shrub with tuberous roots.

Distrib.: In most of the districts.

Ceropegia ciliata Wight, Ic. t. 1262. 1848; Hook. f. Fl. Brit. India 4 : 72. 1883; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.).

A slender hispid twiner, in hills.

Distrib.: Coimbatore, Madurai (Hook. f. 1883), Nilgiri, Tirunelveli.

Ceropegia decaisneana Wight, Ic. t. 1259. 1848; Hook. f. Fl. Brit. India 4 : 73. 1883; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.).

A slender climber, in hilly regions.

Distrib.: Coimbatore, Nilgiri.

Ceropegia elegans Wall. in Bot. Mag. t. 3015. 1830; Wight, Ic. t. 1265. 1848; Hook. f. Fl. Brit. India 4 : 68. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.). *C. mysorensis* Wight, Ic. t. 846. 1844-1845; Hook. f. Fl. Brit. India 4 : 69. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.). *C. walkeriae* Wight, Ic. t. 1266. 1848; Hook. f. Fl. Brit. India 4 : 69. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.).

A slender twiner.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Ceropegia ensifolia Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 52. 1864 & Ic. t. 173. 1868-1874; Hook. f. Fl. Brit. India 4 : 75. 1883; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.); M.Y. Ansari in Fas. Fl. India 16 : 14. 1984. *C. albiflora* Hook.

f. Fl. Brit. India 4 : 75. 1883; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.). *C. ciliata* Wight subsp. *ensifolia* (Bedd.) Huber in Mem. Soc. Brot. 12 : 69. t. 3. f. 36b. 1957.

A slender twiner, in rocky places.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Gamble 1957).

Ceropegia fimbriifera Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 53. 1864 & Ic. t. 1868-1874; Hook. f. Fl. Brit. India 4 : 66. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.).

A slender erect herb, in rocky grassy places.

Distrib.: Coimbatore, Nilgiri.

Ceropegia hirsuta Wight & Arn. in Wight Contrib. 30. 1834; Hook. f. Fl. Brit. India 4:71. 1883 incl. var. *stenophylla*; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.).

A climber with tuberous roots, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli.

Ceropegia intermedia Wight, Ic. t. 1263. 1848, emend. Huber in Mem. Soc. Brot. 12 : 61. t. 2. f. 26. 1957; Hook. f. Fl. Brit. India 4 : 71. 1883 p.p.; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.).

A slender twiner.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Ceropegia juncea Roxb. Pl. Cor. t. 10. 1795; Wight, Ic. t. 1260. 1848; Hook. f. Fl. Brit. India 4 : 68. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.).

A fleshy twining herb, in dry forests.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Pudukkottai (RHT), Ramnathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli (UCT).

Ceropegia maculata Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 52. 1864; M.Y. Ansari in Fas. Fl. India 16 : 23. 1984.

A glabrous twiner with fibrous roots.

Distrib.: Coimbatore (M.Y. Ansari 1984).

Ceropegia metziana Miq. Anal. Bot. Ind. 3 : 11. 1852; M.Y. Ansari in Fas. Fl. India 16 : 25. 1984. *C. brevicollis* Hook. f. Fl. Brit. India 4 : 74. 1883 p.p.; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.). *C. stocksii* sensu Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.), non Hook. f. 1883.

A twiner.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (M.Y. Ansari 1984).

Ceropegia oculata Hook. in Bot. Mag. t. 4093. 1844; Hook. f. Fl. Brit. India 4 : 72. 1883. *C. stocksii* Hook. f. Fl. Brit. India 4 : 74. 1883; Gamble, Fl. Pres. Madras 2 : 604. 1957 (repr. ed.).

A large climber with globose tuber, in moist forests.

Distrib.: Coimbatore (Gamble 1957). R.

Ceropegia omisssa Huber in Mem. Soc. Brot. 12 : 67. 1957. *C. intermedia* Wight var. *wightii* Hook. f. Fl. Brit. India 4 : 71. 1883; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.).

A slender climber.

Distrib.: Madurai and Tirunelveli (Gamble 1957) O. R.

Ceropegia pusilla Wight & Arn. in Wight, Contrib. 31. 1834; Wight, Ic. t. 1261. 1848; Hook. f. Fl. Brit. India 4 : 66. 1883; Gamble, Fl. Pres. Madras 2 : 601. 1957 (repr. ed.).

A minute herb with a depressed tuber, on grassy slopes.

Distrib.: Coimbatore (Hook. f. 1883), Nilgiri. E.

Ceropegia spiralis Wight, Ic. t. 1267. 1848; Hook. f. Fl. Brit. India 4 : 66. 1883; Gamble, Fl. Pres. Madras 2 : 602. 1957 (repr. ed.).

A slender, erect or slightly twining herb with depressed tuber.

Distrib.: Madurai.

Ceropegia thwaitesii Hook. in Bot. Mag. t. 4758. 1854; Hook. f. Fl. Brit. India 4 : 71. 1883; Gamble, Fl. Pres. Madras 2 : 603. 1957 (repr. ed.).

A stout twiner, in hills.

Distrib.: Madurai, Tirunelveli (Hook. f. 1883).

Cosmostigma racemosum (Roxb.) Wight, Contrib. 42. 1834 & Ic. t. 591. 1842; Hook. f. Fl. Brit. India 4 : 46. 1883; Gamble, Fl. Pres. Madras 2 : 595. 1957 (repr. ed.). *Asclepias racemosa* Roxb. Fl. Ind. 2 : 32. 1832.

Tamil: *Perum Kahamugan Kodi, Karuthhankanni*.

A climber, in hills.

Distrib.: Nilgiri (Gamble 1957), Tiruchchirappalli. E.

Cynanchum alatum Wight & Arn. in Wight, Contrib. 57. 1834; Wight, Ic. t. 1280. 1848; Hook. f. Fl. Brit. India 4 : 23. 1883; Gamble, Fl. Pres. Madras 2 : 586. 1957 (repr. ed.).

A slender twiner, in hills.

Distrib.: Coimbatore (CAL & FRC), Madurai (CAL), Nilgiri, Tirunelveli (Gamble 1957).

Cynanchum callialatum Buch.-Ham. ex Wight & Arn. in Wight, Contrib. 56. 1834; Wight, Ic. t. 1279. 1848; Hook. f. Fl. Brit. India 4 : 24. 1883; Gamble, Fl. Pres. Madras 2 : 588. 1957 (repr. ed.).

A herbaceous twining shrub, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Cynanchum tunicatum (Retz.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 194. 1931. *Periploca tunicata* Retz. Obs. Bot. 2 : 15. 1781. *Cynanchum pauciflorum* R. Br. in Mem. Wern. Nat. Hist. Soc. 1 : 45. 1811; Wight, Ic. t. 354. 1840; Hook. f. Fl. Brit. India 4 : 23. 1883; Gamble, Fl. Pres. Madras 2 : 587. 1957 (repr. ed.).

Tamil: *Vellaippadlkodi*, *Aattumoolakodi*.

A herbaceous climber, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Thanjavur, Tirunelveli. E.

Gomphocarpus fruticosus (L.) Ait. Hort. Kew. ed. 2. 2 : 80. 1811; Matthew in Rec. Bot. Surv. India 20 (1) : 155. 1969. *Asclepias fruticosa* L. Sp. Pl. 216. 1753.

An evergreen, branched, leafy shrub.

Distrib.: Madurai (Matthew 1969), Nilgiri.

Gomphocarpus physocarpus E. Meyer, Comm. Pl. Afr. Austr. 202. 1838. *Asclepias physocarpa* (E. Meyer) Schlect. in Bot. Jahrb. Syst. 21. Biebl. liv. 8. 1895; Gamble, Fl. Pres. Madras 2 : 585. 1957 (repr. ed.).

A shrub, commonly cultivated in gardens and sometimes runs wild.

Gymnema alterniflorum (Lour.) Merr. in Trans. Amer. Philos. Soc. n.s. 24 : 318. 1935; Subram. in Curr. Sci. 37 : 595. 1937. *Apocynum alterniflorum* Lour. Fl. Cochinch. 1 : 168. 1790. *Gymnema affine* Decne. in DC. Prodr. 8 : 622. 1844.

A bushy climber with prominent lenticellate branches.

Distrib.: Madurai.

Gymnema elegans Wight & Arn. in Wight, Contrib. 46. 1834; Wight, Ic. t. 830. 1844-1845; Hook. f. Fl. Brit. India

4 : 32. 1883; Gamble, Fl. Pres. Madras 2 : 590. 1957 (repr. ed.).

A slender climber, in hills.

Distrib.: “. from Salem to Tinnevely (fide Wight)” (Gamble 1957). R.

Gymnema hirsutum Wight & Arn. in Wight, Contrib. 44. 1834; Wight, Ic. t. 1272. 1848; Hook. f. Fl. Brit. India 4 : 29. 1883; Gamble, Fl. Pres. Madras 2 : 590. 1957 (repr. ed.).

A large climber with spirally twisted stems; common in hills.

Distrib.: Coimbatore (CAL), Madurai, Nilgiri. E.

Gymnema montanum (Roxb.) Hook. f. Fl. Brit. India 4 : 31. 1883, var. *montanum*; Gamble, Fl. Pres. Madras 2 : 590. 1957 (repr. ed.). *Asclepias montana* Roxb. Fl. Ind. 2 : 45. 1832. *Gymnema tingens* (Roxb.) Wight & Arn. var. *ovalifolia* Wight, Ic. t. 592. 1842.

A creeper, in hilly regions.

Distrib.: Coimbatore, Nilgiri. E.

Gymnema montanum (Roxb.) Hook. f. var. *beddomei* Hook. f. Fl. Brit. India 4 : 32. 1883.

A twining shrub.

Distrib.: Anamalai hills (Hook. f. 1883).

Gymnema montanum (Roxb.) Hook. f. var. *pubiflora* Hook. f. Fl. Brit. India 4 : 32. 1883.

A creeper.

Distrib.: Nilgiri (Hook. f. 1883).

Gymnema sylvestre (Retz.) R. Br. ex Schultes in Roem. & Schultes, Syst. 6 : 57. 1820; Wight, Ic. t. 349. 1840; Hook. f. Fl. Brit. India 4 : 29. 1883; Gamble, Fl. Pres. Madras 2 : 590. 1957 (repr. ed.). *Periploca sylvestris* Retz. Obs. Bot. 2 : 15. 1781.

Tamil: *Shirukurinja*, *Kannu minnayam kodi*, *Passaam*.

A large climber, in dry forests.

Distrib.: Almost all districts. E.

Gymnema tingens (Roxb.) Wight & Arn. in Wight, Contrib. 45. 1834; Hook. f. Fl. Brit. India 4 : 31. 1883; Gamble, Fl. Pres. Madras 2 : 590. 1957 (repr. ed.). *Asclepias tingens* Roxb. Pl. Cor. t. 239. 1815. *Gymnema tingens* (Roxb.) Wight & Arn. var. *cordifolia* Wight, Ic. t. 593. 1842.

A gigantic climber, in hills.

Distrib.: Coimbatore (Gamble 1957). R.

Heterostemma tanjorensis Wight & Arn. in Wight, Contrib. 42. 1834, "*tanjorensis*"; Wight, Ic. t. 348. 1840; Hook. f. Fl. Brit. India 4 : 47. 1883; Gamble, Fl. Pres. Madras 2 : 596. 1957 (repr. ed.).

Tamil: *Palakeerai*.

A slender twiner.

Distrib.: Coimbatore, Nilgiri, Thanjavur, Tiruchchirappalli (RHT).

Holastemma ada-kodien Schultes in Roem. & Schultes, Syst. 6 : 95. 1820. *H. rheedii* Wall. Pl. Asiat. Rar. 2 : 51. 1831; Wight, Ic. t. 597. 1842; Hook. f. Fl. Brit. India 4 : 21. 1883. *H. annulare* (Roxb.) K. Schum. in Engler & Prantl, Pflanzenf. 4(2) : 250. 1895; Gamble, Fl. Pres. Madras 2 : 586. 1957 (repr. ed.). *Asclepias annularis* Roxb. Fl. Ind. 2 : 37. 1832, "*annularia*".

A large climber, on hedges and in open forests, especially in hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Tirunelveli. E.

Hoya alexicaca (Jacq.) Moon, Cat. pl. Ceylon 21. 1824; Bullock in Kew

Bull. 19 : 146. 1964-1965. *Asclepias alexicaca* Jacq. Coll. Bot. 2 : 101. 1789. *Hoya pendula* (Roxb.) Wight & Arn. in Wight, Contrib. 36. 1834 quoad basionym, excl. descr. ; Wight, Ic. t. 474. 1841; Hook. f. Fl. Brit. India 4 : 61. 1883; Gamble, Fl. Pres. Madras 2 : 597. 1957 (repr. ed.). *Asclepias pendula* Roxb. Fl. Ind. 2 : 36. 1832.

A slender twining epiphyte, in hills.

Distrib.: "Nilgiri Hills (Wight)"- (Gamble 1957). E. R.

Hoya kanyakumariana Henry & Swamin. in J. Bombay Nat. Hist. Soc. 75 : 462. 1978.

An epiphytic pendulous herb, in hills.

Distrib.: Kanniyakumari. O.

Hoya ovalifolia Wight & Arn. in Wight, Contrib. 37. 1834; Wight, Ic. t. 847. 1844-1845; Hook. f. Fl. Brit. India 4 : 60. 1883; Gamble, Fl. Pres. Madras 2 : 597. 1957 (repr. ed.).

A glabrous, probably epiphytic, trailing herb.

Distrib.: Coimbatore, Nilgiri. R.

Hoya pauciflora Wight, Ic. t. 1269. 1848 (descr. "*parviflora*"); Hook. f. Fl. Brit. India 4 : 56. 1883; Gamble, Fl. Pres. Madras 2 : 597. 1957 (repr. ed.).

A slender climber, apparently epiphytic.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Hoya wightii Hook. f. Fl. Brit. India 4 : 59. 1883; Gamble, Fl. Pres. Madras 2 : 597. 1957 (repr. ed.); Bullock in Kew Bull. 19 : 146. 1964-1965. *H. pendula* Wight & Arn. in Wight, Contrib. 36. 1834, quoad descr. excl. basionym *Asclepias pendula* Roxb.

A short climber, apparently epiphytic in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Gamble 1957). R.

Leptadenia reticulata (Retz.) Wight & Arn. in Wight, Cat. 89. 1834 & Contrib. 47. 1834; Wight, Ic. t. 350. 1840; Hook. f. Fl. Brit. India 4 : 63. 1883; Gamble, Fl. Pres. Madras 2 : 598. 1957 (repr. ed.). *Cynanchum reticulatum* Retz. Obs. Bot. 2 : 15. 1781.

Tamil: *Palakudai, Paalai Keerai*.

A climbing shrub, on hedges.

Distrib.: In most of the districts. E.

Marsdenia brunoniana Wight & Arn. in Wight, Contrib. 40. 1834; Wight, Ic. t. 356. 1840; Hook. f. Fl. Brit. India 4 : 36. 1883; Gamble, Fl. Pres. Madras 2 : 594. 1957 (repr. ed.).

A twining shrub, on hedges.

Distrib.: Madurai; "Carnatic? near Columala (Kollimaalis?) (Wight)"- (Gamble 1957.) R.

Marsdenia tenacissima (Roxb.) Moon, Cat. Pl. Ceylon 21. 1824; Wight, Ic. t. 590. 1842; Hook. f. Fl. Brit. India 4 : 35. 1883; Gamble, Fl. Pres. Madras 2 : 594. 1957 (repr. ed.). *Asclepias tenacissima* Roxb. Pl. Cor. t. 240. 1819.

Tamil: *Panjukkodi*.

A stout climbing shrub.

Distrib.: Madurai (CAL). E.

Marsdenia tirunelvelica Henry & Subram. in J. Bombay Nat. Hist. Soc. 73 : 186. ff. 1-5. 1976.

A twining undershrub with terete stems, in hills.

Distrib.: Tirunelveli. O. R. +.

Pentatropis capensis (L. f.) Bullock in Kew Bull. 9 : 284. 1955. *Cynanchum capense* L. f. Suppl. Pl. 168. 1781. *Pentatropis microphylla* (Heyne ex Roth)

Wight & Arn. in Wight, Contrib. 52. 1834; Wight, Ic. t. 352. 1840; Hook. f. Fl. Brit. India 4 : 20. 1883; Gamble, Fl. Pres. Madras 2 : 587. 1957 (repr. ed.). *Asclepias microphylla* Heyne ex Roth, Nov. Pl. Sp. 177. 1821.

Tamil: *Uppili*.

A very slender climber, on hedges and in open forest lands.

Distrib.: In most of the districts. E.

Pergularia daemia (Forssk.) Chiov. in Result. Sci. Miss. Stefan. Paoli Somal. Ital. 1 : 115. 1916. *Asclepias daemia* Forssk. Fl. Aeg.-Arab. 51. 1775. *Daemia extensa* (Jacq.) R. Br. in Ait. Hort. Kew. ed. 2. 2 : 76. 1811; Wight, Ic. t. 596. 1842; Hook. f. Fl. Brit. India 4 : 20. 1883. *Cynanchum extensum* Jacq. Misc. 2 : 353. 1781. *Pergularia extensa* (Jacq.) N.E. Br. in Dyer, Fl. Cap. 4 : 758. 1908; Gamble, Fl. Pres. Madras 2 : 588. 1957 (repr. ed.).

Tamil: *Uttamani, Verlipparuthi, Seendhal kodi*.

A slender foetid-smelling climber.

Distrib.: Almost all districts. E.

Raphionacme purpurea Harv. Thes. Cap. 1 : 41. t. 66. 1859.

A herb with tuberous rootstock; cultivated in gardens. E.

Sarcostemma acidum (Roxb.) Voigt, Hort. Sub. Calc. 542. 1845. *Asclepias acida* Roxb. Fl. Ind. 2 : 31. 1832. *Sarcostemma brevistigma* Wight & Arn. in Wight, Contrib. 59. 1834; Wight, Ic. t. 595. 1842; Hook. f. Fl. Brit. India 4 : 26. 1883; Gamble, Fl. Pres. Madras 2 : 589. 1957 (repr. ed.).

Tamil: *Somamum*.

A shrub with succulent jointed stems, trailing over bushes and rocks.

Distrib.: Almost all districts.

Sarcostemma brunonianum Wight & Arn in Wight, Contrib. 59. 1834; Wight, Ic. t. 1282. 1848; Hook. f. Fl. Brit. India 4 : 27. 1883; Gamble, Fl. Pres. Madras 2 : 589. 1957 (repr. ed.).

Tamil: *Perum Aattaankodi*.

A slender trailing shrub, in dry forest lands.

Distrib.: In most of the districts. E.

Sarcostemma intermedium Decne. in DC. Prodr. 8 : 538. 1844; Wight, Ic. t. 1281. 1848; Hook. f. Fl. Brit. India 4 : 27. 1883; Gamble, Fl. Pres. Madras 2 : 589. 1957 (repr. ed.).

Tamil: *Kodikhalli*.

A shrub, in dry places.

Distrib.: Coimbatore (FRC), Salem, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli. E. R.

Sarcostemma secamone (L.) Bennet in Indian Forester 95 : 692. 1969. *Periploca secamone* L. Mant. Pl. 216. 1771. *Oxystelma esculentum* (L.f.) R. Br. ex Schultes in Roem. & Schultes, Syst. 6 : 89. 1820; Hook. f. Fl. Brit. India 4 : 17. 1883; Gamble, Fl. Pres. Madras 2 : 586. 1957 (repr. ed.). *Periploca esculenta* L. f. Suppl. Pl. 168. 1781.

Tamil: *Usippalai, Kalappalai*.

A twining herb, on hedges and among bushes, usually near wet areas.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai, Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Secamone emetica (Retz.) R. Br. ex Schultes in Roem. & Schultes, Syst. 6 : 124. 1820; Wight, Ic. t. 1283. 1848; Hook. f. Fl. Brit. India 4 : 13. 1883; Gamble, Fl. Pres. Madras 2 : 583. 1957 (repr. ed.). *Periploca emetica* Retz. Obs. Bot. 2 : 14. 1781.

Tamil: *Aangaaravalli, Siruattaankodi, Nilamarandaikkodi*.

A wiry, much-branched climbing shrub, in hills.

Distrib.: In most of the districts. E.

Stapelia gigantea N.E. Br. in Gard. Chron. 1 : 684. f. 112. 1877.

A succulent perennial herb, grown in gardens. E.

Stapelia grandiflora Masson, Stapel. Nov. t. 11. 1797.

A dwarf, succulent, perennial herb, grown in gardens. E.

Telosma minor (Andr.) Craib in Kew Bull. 1911 : 418. 1911; Gamble, Fl. Pres. Madras 2 : 594. 1957 (repr. ed.). *Pergularia minor* Andr. Bot. Repos. t. 184. 1801; Hook. f. Fl. Brit. India 4 : 38. 1883. *P. odoratissima* Wight, Contrib. 43. 1834 & Ic. t. 414. 1840, non Smith 1793.

Tamil: *Chambangi*.

A sweet-scented climber; cultivated in gardens. E.

Telosma pallida (Roxb.) Craib in Kew Bull. 1911 : 418. 1911; Gamble, Fl. Pres. Madras 2 : 593. 1957 (repr. ed.). *Asclepias pallida* Roxb. Fl. Ind. 2 : 48. 1832. *Pergularia pallida* (Roxb.) Wight & Arn. in Wight, Cat. 86. 1834 & Contrib. 42. 1834; Wight, Ic. t. 585. 1842; Hook. f. Fl. Brit. India 4 : 38. 1883.

A slender climber, in hills; occasionally found in dry wastelands.

Distrib.: Coimbatore. E.

Toxocarpus beddomei Gamble in Kew Bull. 1922 : 119. 1922 & Fl. Pres. Madras 2 : 583. 1957 (repr. ed.).

A slender climber.

Distrib.: Tirunelveli. O. R. +.

Toxocarpus kleinii Wight & Arn. in Wight, Contrib. 61. 1834; Wight, Ic. t. 886. 1844-1845; Hook. f. Fl. Brit. India 4 : 14. 1883; Gamble, Fl. Pres. Madras 2 : 584. 1957 (repr. ed.).

A slender climbing shrub.

Distrib.: Chengalpattu (Mayuranathan 1929), Nilgiri, Tiruchchirappalli, Tirunelveli.

Toxocarpus palghatensis Gamble in Kew Bull. 1922 : 119. 1922 & Fl. Pres. Madras 2 : 583. 1957 (repr. ed.).

A slender climber.

Distrib.: Coimbatore. R.

Tylophora capparidifolia Wight & Arn. in Wight, Contrib. 51. 1834; Hook. f. Fl. Brit. India 4 : 41. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

A much-twining undershrub.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Tylophora fasciculata Buch.-Ham. ex Wight & Arn. in Wight, Contrib. 50. 1834; Wight, Ic. t. 848. 1845; Hook. f. Fl. Brit. India 4 : 40. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

A slender erect undershrub among grasses.

Distrib.: Coimbatore, Madurai, Tirunelveli. E.

Tylophora indica (Burm. f.) Merr. in Philipp. J. Sci. 19 : 373. 1921. *Cynanchum indicum* Burm. f. Fl. Ind. 70. 1768. *Tylophora asthmatica* (L. f.) Wight & Arn. in Wight, Contrib. 51. 1834; Wight, Ic. t. 1277. 1848; Hook. f. Fl. Brit. India 4 : 44. 1883; Gamble, Fl. Pres. Madras 2 : 593. 1957 (repr. ed.). *Asclepias asthmatica* L. f. Suppl. Pl. 171. 1781.

Tamil: *Nayppalai*, *Nangilaippirattai*, *Paalaaikeerai*.

A much-branched climber with long fleshy roots, on hedges and in open forests.

Distrib.: Almost all districts. E.

Tylophora macrantha Hook. f. Fl. Brit. India 4 : 40. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

A slender erect undershrub, on grassy slopes of hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Gamble 1957).

Tylophora mollissima Wight & Arn. in Wight, Contrib. 49. 1834; Wight, Ic. t. 1275. 1848; Hook. f. Fl. Brit. India 4 : 43. 1883; Gamble, Fl. Pres. Madras 2 : 593. 1957 (repr. ed.).

A slender climber, twining among bushes, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri (Hook. f. 1883). E.

Tylophora multiflora (Wight & Arn.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 195. 1931. *Iphisia multiflora* Wight & Arn. in Wight, Contrib. 52. 1834. *Tylophora iphisia* Decne. in DC. Prodr. 8 : 610. 1844; Wight, Ic. t. 1276. 1848; Hook. f. Fl. Brit. India 4 : 40. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

An undershrub, erect at first and then climbing, in hills.

Distrib.: Nilgiri. O. R.

Tylophora pauciflora Wight & Arn. in Wight, Contrib. 49. 1834; Wight, Ic. t. 1274. 1848; Hook. f. Fl. Brit. India 4 : 41. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

A small climber, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Tylophora rotundifolia Buch.-Ham. ex Wight, Contrib. 50. 1834; Hook. f. Fl. Brit. India 4 : 43. 1883; Gamble, Fl. Pres. Madras 2 : 593. 1957 (repr. ed.).

A perennial creeper.

Distrib.: Coimbatore (Gamble 1957). R.

Tylophora subramanii Henry in Proc. Indian Acad. Sci. 65B : 161. ff. 1-7. 1967.

A climbing undershrub.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli. O.

Tylophora tennis Blume, Bijdr. 1062. 1827; Hook. f. Fl. Brit. India 4 : 42. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.). *T. tenuissima* (Roxb.) Wight & Arn. in Wight, Contrib. 49. 1834; Wight, Ic. t. 588. 1842. *Asclepias tenuissima* Roxb. Fl. Ind. 2 : 41. 1832.

A slender twining undershrub.

Distrib.: Coimbatore, Dharmapuri, Madurai, Pudukkottai, Thanjavur, Tirunelveli. E.

Tylophora zeylanica Decne. in DC. Prodr. 8 : 608. 1844; Hook. f. Fl. Brit. India 4 : 42. 1883; Gamble, Fl. Pres. Madras 2 : 592. 1957 (repr. ed.).

A large creeper.

Distrib.: Coimbatore (FRC). R. +.

Wattakaka volubilis (L. f.) Stapf in Bot. Mag. sub t. 8976. 1923. *Asclepias volubilis* L. f. Suppl. Pl. 170. 1781. *Dregea volubilis* (L. f.) Benth. ex Hook. f. Fl. Brit. India 4 : 46. 1883. *Marsdenia volubilis* (L. f.) Cooke, Fl. Pres. Bombay 2 : 166. 1904; Gamble, Fl. Pres. Madras 2 : 595. 1957 (repr. ed.). *Hoya viridiflora* R. Br. in Mem. Wern. Nat. Hist. Soc. 1 : 27. 1811; Wight, Ic. t. 586. 1842.

Tamil: *Kurincha, Kodippalai*.

Distrib.: In most of the districts. E.

PERIPLOCACEAE

S.R. SRINIVASAN

Bacolepis nervosa (Wight & Arn.) Decne. ex Moq. in DC. Prodr. 13 (2) :

216. 1849. *Brachylepis nervosa* Wight & Arn. in Wight, Contrib. 64. 1834; Wight, Ic. t. 1284. 1848; Hook. f. Fl. Brit. India 4 : 7. 1883; Gamble, Fl. Pres. Madras 2 : 581. 1957 (repr. ed.).

A wiry climber, in hills.

Distrib.: Nilgiri.

Cryptolepis buchananii Roem. & Schultes, Syst. 4 : 409. 1819; Wight, Ic. t. 494. 1841; Hook. f. Fl. Brit. India 4 : 5. 1883; Gamble, Fl. Pres. Madras 2 : 580. 1957 (repr. ed.).

Tamil: *Paal Kodi, Maattaankodi*.

A large, much-branched climber, in deciduous forests and on hedges.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Ramanathapuram, Tiruchchirappalli, Tirunelveli. E.

Cryptolepis grandiflora Wight, Ic. t. 831. 1844-1845; Hook. f. Fl. Brit. India 4 : 5. 1883; Gamble, Fl. Pres. Madras 2 : 580. 1957 (repr. ed.).

A slender climber, in hills.

Distrib.: Coimbatore, Dharmapuri, North Arcot, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Cryptostegia grandiflora R. Br. in Bot. Reg. 5 : t. 435. 1820; Hook. f. Fl. Brit. India 4 : 6. 1883; Gamble, Fl. Pres. Madras 2 : 606. 1957 (repr. ed.).

Tamil: *Palai, Garudappalai*.

A stout climbing shrub; cultivated in gardens. E.

Decalepis hamiltonii Wight & Arn. in Wight, Contrib. 64. 1834; Wight, Ic. t. 1285. 1848; Hook. f. Fl. Brit. India 4 : 11. 1883; Gamble, Fl. Pres. Madras 2 : 582. 1957 (repr. ed.).

Tamil: *Mahali-kizhangu, Mavillinga Kizhanku*.

A climber, in hills.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore, Dharmapuri, Nilgiri. E.

Hemidesmus indicus (L.) R. Br. in Ait. Hort. Kew. ed. 2. 2 : 75. 1811, var. *indicus*; Wight, Ic. t. 594. 1842; Hook. f. Fl. Brit. India 4 : 5. 1883; Gamble, Fl. Pres. Madras 2 : 580. 1957 (repr. ed.). *Periploca indica* L. Sp. Pl. 211. 1753.

Tamil: *Nannari*, *Suganthipala*.

A much-twining, wiry shrub, in open forests, waste places and on hedges.

Distrib.: In all districts. E.

Hemidesmus indicus (L.) R. Br. var. *pubescens* (Wight & Arn.) Hook. f. Fl. Brit. India 4 : 5. 1883; Gamble, Fl. Pres. Madras 2 : 580. 1957 (repr. ed.). *H. pubescens* Wight & Arn. in Wight, Contrib. 63. 1834; Wight, Ic. t. 1320. 1848.

A climber.

Distrib.: Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Janakia aryalpathra Joseph & Chandrasekaran in J. Indian Bot. Soc. 57 : 310. 1978.

A leafy perennial undershrub with slender spreading branches; in exposed rocky slopes.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Utleria salicifolia Bedd. ex Hook. f. Fl. Brit. India 4 : 7. 1883; Hooker's Icon. Pl. t. 1432. 1883-1885; Gamble, Fl. Pres. Madras 2 : 581. 1957 (repr. ed.).

A shrub, in fissures of rocks and open rocky grounds.

Distrib.: Coimbatore. R. +.

LOGANIACEAE

M. CHANDRABOSE

Fagraea ceilanica Thunb. in Kongl. Vetensk. Acad. Nya Handl. 3 : 132. t.

4. 1782; Clarke in Hook. f. Fl. Brit. India 4 : 83. 1883, "*zeylanica*"; Gamble, Fl. Pres. Madras 2 : 608. 1957 (repr. ed.). *F. obovata* Wall. in Roxb. Fl. Ind. 2 : 33. 1824; Clarke in Hook. f. Fl. Brit. India 4 : 83. 1883; Gamble, Fl. Pres. Madras 2 : 608. 1957 (repr. ed.). *F. malabarica* Wight, Ic. t. 1317. 1848.

A small tree, especially in evergreen forests.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli. E.

Gardneria ovata Wall. in Roxb. Fl. Ind. 1 : 400. 1820; Clarke in Hook. f. Fl. Brit. India 4 : 93. 1883; Gamble, Fl. Pres. Madras 2 : 611. 1957 (repr. ed.). *G. wallichii* Wight ex Wall. Pl. Asiat. Rar. 3 : 49. t. 281. 1832; Wight, Ic. t. 1313. 1848.

A large climber, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Mitrasacme indica Wight, Ic. t. 1601. 1850. *M. alsinoides* auct. non R. Br. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 80. 1883; Gamble, Fl. Pres. Madras 2 : 607. 1957 (repr. ed.).

A very slender annual herb.

Distrib.: Ramanathapuram, Salem (Matthew 1981), Tirunelveli; "Deccan and Carnatic" (Gamble 1957).

Strychnos lenticellata Hill in Kew Bull. 1917 : 159. 1917; Gamble, Fl. Pres. Madras 2 : 610. 1957 (repr. ed.).

Tamil: *Cheru-mulagu*.

A climbing shrub, in deciduous forests.

Distrib.: Chengalpattu, Tirunelveli; "Carnatic" (Gamble 1957).

Strychnos minor Dennst. Schluess. Hort. Ind. Malab. 33. 1818. *S. bicirrhosa* Lesch.

ex Roxb. Fl. Ind. 2 : 267. 1824; Gamble, Fl. Pres. Madras 2 : 610. 1957 (repr. ed.). *S. colubrina* sensu Clarke in Hook. f. Fl. Brit. India 4 : 87. 1883 p.p., non L. 1753.

A climbing shrub.

Distrib.: Coimbatore (Fischer 1921); "Tanjore" (Gamble 1957).

Strychnos nux-vomica L. Sp. Pl. 189. 1753; Bedd. Fl. Sylv. t. 243. 1872; Clarke in Hook. f. Fl. Brit. India 4 : 90. 1883; Gamble, Fl. Pres. Madras 2 : 610. 1957 (repr. ed.).

Tamil: *Yetti, Kanjirai*.

A moderate-sized tree, in deciduous forests.

Distrib.: Almost all districts. E.

Strychnos potatorum L. f. Suppl. Pl. 148. 1781; Wight, Ill. 2 : t. 156. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 90. 1883; Gamble, Fl. Pres. Madras 2 : 610. 1957 (repr. ed.).

Tamil: *Tattan-kottai, Tettram*.

A medium-sized tree, in deciduous forests.

Distrib.: Almost all districts. E.

Strychnos vanprukii Craib in Kew Bull. 1911 : 421. 1911. *S. aenea* Hill in Kew Bull. 1917 : 138. 1917; Gamble, Fl. Pres. Madras 2 : 610. 1957 (repr. ed.).

A large climbing shrub, in evergreen forests.

Distrib.: Coimbatore. E.

Strychnos wallichiana Steud. ex DC. Prodr. 9 : 13. 1845. *S. cinnamomifolia* Thw. Enum. Pl. Zeyl. 201. 1860; Clarke in Hook. f. Fl. Brit. India 4 : 89. 1883 p.p.; Gamble, Fl. Pres. Madras 2 : 611. 1957 (repr. ed.). *S. rheedei* Clarke in Hook. f. Fl. Brit. India 4 : 87. 1883.

Tamil: *Valli-kanjiram*.

A very large climbing shrub, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Nilgiri; "W. Ghats, S. Canara to Travancore" (Gamble 1957). E.

BUDDLEJACEAE

M. CHANDRABOSE

Buddleja asiatica Lour. Fl. Cochinch. 1 : 72. 1790; Clarke in Hook. f. Fl. Brit. India 4 : 82. 1883; Gamble, Fl. Pres. Madras 2 : 608. 1957 (repr. ed.). *B. discolor* Roth, Nov. Pl. Sp. 83. 1821; Wight, Ic. t. 894. 1845.

Tamil: *Karukattaan*.

A large shrub, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Ramanathapuram (UCT). E.

Buddleja davidii Franch. in Nouv. Arch. Mus. Hist. Nat. ser. 2. 10: 65. 1887.

A large ornamental shrub, cultivated.

Buddleja madagascariensis Lam. Encycl. 1 : 513. 1785.

An introduced shrub, in gardens.

Buddleja volubilis Lam. Tabl. Encycl. 1 : 291. 1792.

Introduced.

GENTIANACEAE

K. RAMAMURTHY

Causcora decurrens Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 136. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 103. 1883; Gamble, Fl. Pres. Madras 2 : 617. 1957 (repr. ed.).

A slender herb, often in wet fields.

Distrib.: Coimbatore, Nilgiri, Salem, Thanjavur, Tiruchchirappalli (RHT).

Canscora decussata (Roxb.) Schultes & Schultes f. Mant. 3 : 229. 1827; Clarke in Hook. f. Fl. Brit. India 4 : 104. 1883; Gamble, Fl. Pres. Madras 2 : 618. 1957 (repr. ed.). *Pladera decussata* Roxb. Fl. Ind. 1 : 418. 1820.

An erect herb, in moist areas.

Distrib.: Coimbatore (Fischer 1921), Nilgiri, Salem; Dharmapuri and Tiruchchirappalli (Matthew 1981). E.

Canscora diffusa (Vahl) R. Br. ex Roem. & Schultes, Syst. 3 : 301. 1820; Clarke in Hook. f. Fl. Brit. India 4 : 103. 1883; Gamble, Fl. Pres. Madras 2 : 617. 1957 (repr. ed.). *Gentiana diffusa* Vahl, Symb. Bot. 3 : 47. 1794. *Canscora lawii* Wight, Ic. t. 1327 (1). 1848.

A slender annual herb, in moist areas.

Distrib.: Coimbatore, Nilgiri, Salem; Dharmapuri and Tiruchchirappalli (Matthew 1981).

Canscora heteroclita (L.) Gilg in Engler & Prantl, Pflanzenf. 4 (2) : 76. 1895. *Gentiana heteroclita* L. Mant. Pl. 560. 1771. *Canscora sessiliflora* Schultes & Schultes f. Mant. 3 : 230. 1827; Clarke in Hook. f. Fl. Brit. India 4 : 104. 1883; Gamble, Fl. Pres. Madras 2 : 618. 1957 (repr. ed.).

An erect herb, common in moist areas.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Madurai, Ramanathapuram, Thanjavur, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Canscora perfoliata Lam. Encycl. 1 : 601. 1785; Clarke in Hook. f. Fl. Brit. India 4 : 104. 1883; Gamble, Fl. Pres. Madras 2 : 618. 1957 (repr. ed.). *C. grandiflora* Wight, Ic. t. 1326. 1848.

An erect herb, on slopes of hills.

Distrib.: Coimbatore, Nilgiri.

Canscora roxburghii Arn. ex Miq. Anal. Bot. Ind. 3 : 10. 1852; Cramer in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 3 : 72. 1981. *C. perfoliata* sensu Wight, Ic. t. 1327 (2). 1850, non Lam. 1785. *C. wallichii* Clarke in Hook. f. Fl. Brit. India 4 : 105. 1883; Gamble, Fl. Pres. Madras 2 : 618. 1957 (repr. ed.).

An erect herb, common in grasslands in hilly areas.

Distrib.: In most of the districts.

Centaurium roxburghii (G. Don) Druce in Bot. Soc. Exch. Club Isles 4 : 614. 1916. *Erythraea roxburghii* G. Don, Gen. Syst. 4 : 206. 1837-1838; Wight, Ic. t. 1325. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 102. 1883; Gamble, Fl. Pres. Madras 2 : 615. 1957 (repr. ed.).

An erect herb, common in wetlands.

Distrib.: In most of the districts.

Enicostema axillare (Lam.) Raynal in Adansonia 9 : 75. 1969. *Gentiana axillaris* Lam. Tabl. Encycl. 1 : 487. 1793. *Enicostema littorale* auct. non Blume 1826; Clarke in Hook. f. Fl. Brit. India 4 : 101. 1883; Gamble, Fl. Pres. Madras 2 : 615. 1957 (repr. ed.). *Adenema hyssopifolium* G. Don, Gen. Syst. 4 : 201. 1837-1838; Wight, Ic. t. 600. 1842. *Enicostema hyssopifolium* (Willd.) Verd. in Bothalia 7 : 462. 1961. *Exacum hyssopifolium* Willd. Sp. Pl. 1 : 640. 1798.

Tamil: *Vellaragu*.

A common perennial herb.

Distrib.: In all districts. E.

Exacum anamallayanam Bedd. Ic. t. 154. 1868-1874; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.). *E. atropurpureum* Bedd. var. *anamallayanam* (Bedd.) Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883. *E. saulierei* Dunn in Kew Bull. 1914 : 30. 1914.

A perennial herb, common along stream banks.

Distrib.: Coimbatore, Madurai.

Exacum atropurpureum Bedd. Ic. t. 119. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883; Fyson, Fl. South Indian Hill St. 2 : t. 347. 1932; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.).

An erect herb, in grasslands at high altitudes.

Distrib.: Kanniyakumari, Tirunelveli.

Exacum courtallense Arn. in Ann. Sci. Nat. Bot. 11 : 175. 1839; Wight, Ic. t. 1323. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.) incl. var. *laxiflorum*.

A perennial herb with fleshy leaves.

Distrib.: Kanniyakumari, Tirunelveli. R.

Exacum grande Klack. in Opera Bot. 84 : 43. 1985. *E. perrottetii* auct. non Griseb. 1845; Wight, Ic. t. 1322. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 95. 1883; Gamble, Fl. Pres. Madras 2 : 613. 1957 (repr. ed.).

An erect herb, at high altitudes.

Distrib.: Coimbatore, Nilgiri, Salem.

Exacum lawii Clarke in Hook. f. Fl. Brit. India 4 : 98. 1883; Fischer in Rec. Bot. Surv. India 9 (1) : 119. 1921.

An erect herb.

Distrib.: Coimbatore (Fischer 1921).

Exacum pedunculatum L. Sp. Pl. 112. 1753, "*pedunculare*"; Wight, Ic. t. 336. 1840; Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.).

An erect herb, in moist areas.

Distrib.: Almost all districts.

Exacum petiolare Griseb. in DC. Prodr. 9 : 46. 1845; Wight, Ic. t. 1324 (2). 1848; Clarke in Hook. f. Fl. Brit. India 4 : 98. 1883; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Coimbatore, Nilgiri.

Exacum pumilum Griseb. in DC. Prodr. 9 : 46. 1845; Wight, Ic. t. 1324 (3). 1848; Clarke in Hook. f. Fl. Brit. India 4 : 98. 1883; Gamble, Fl. Pres. Madras 2 : 615. 1957 (repr. ed.).

A small erect herb, in hills.

Distrib.: Coimbatore. O.

Exacum sessile L. Sp. Pl. 112. 1753; Wight, Ic. t. 1324 (1). 1848; Clarke in Hook. f. Fl. Brit. India 4 : 98. 1883; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.).

An annual herb, in moist areas.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Exacum tetragonum Roxb. Fl. Ind. 1 : 413. 1820; Clarke in Hook. f. Fl. Brit. India 4 : 95. 1883; Gamble, Fl. Pres. Madras 2 : 613. 1957 (repr. ed.). Klack. in Opera Bot. 84 : 37. 1985. *E. bicolor* Roxb. Fl. Ind. 1 : 413. 1820; Wight, Ic. t. 1321. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 96. 1883; Gamble, Fl. Pres. Madras 2 : 613. 1957 (repr. ed.). *E. perrottetii* Griseb. in DC. Prodr. 9 : 45. 1845.

An erect herb, at higher altitudes.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Clarke 1883).

Exacum travancoricum Bedd. Ic. t. 118. 1868-1874; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.). *E. courtallense* Arn. var. *travancorica* (Bedd.) Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883.

An erect herb, mostly in grassy places in hills.

Distrib.: Kanniyakumari, Tirunelveli. R.

Exacum wightianum Arn. in Ann. Sci. Nat. Bot. 11 : 176. 1839, var. **wightianum**; Wight, Ic. t. 840. 1844; Clarke in Hook. f. Fl. Brit. India 4 : 97. 1883; Gamble, Fl. Pres. Madras 2 : 614. 1957 (repr. ed.). *E. atropurpureum* Bedd. var. *palghatense* Gamble, Fl. Pres. Madras 874. 1923 & 2 : 614. 1957 (repr. ed.).

An erect herb, at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Exacum wightianum Arn. var. **uniflorum** Henry & Swamin. in J. Bombay Nat. Hist. Soc. 80 : 459. 1984.

A shrubby herb, along exposed wet grassy slopes.

Distrib.: Tirunelveli.

Gentiana pedicellata Griseb. var. **wightii** Kusnezov in Trudy Imp. S. - Peterburgsk. Bot. Sada 15 : 401. 1895; Gamble, Fl. Pres. Madras 2 : 616. 1957 (repr. ed.).

A tufted herb in pasture lands, at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Gentiana quadrifaria Blume var. **zeylanica** (Griseb.) Kusnezov in Trudy Imp. S. Peterburgsk. Bot. Sada 15 : 403. 1895; Gamble, Fl. Pres. Madras 2 : 616. 1957 (repr. ed.). *G. zeylanica* Griseb. Gen. Sp. Gent. 274. 1839. *G. quadrifaria* auct. non Blume 1826; Clarke in Hook. f. Fl. Brit. India 4 : 111. 1883; Fyson, Fl. South Indian Hill St. 2 : t. 349. 1932.

An erect herb, at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Halenia perrottetii Griseb. in DC. Prodr. 9 : 129. 1845; Wight, Ic. t. 1334. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 130. 1883; Gamble, Fl. Pres. Madras 2 : 620. 1957 (repr. ed.).

An erect herb, in sholas and grasslands.

Distrib.: Madurai, Nilgiri.

Hoppea dichotoma Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 3 : 435. 1801; Clarke in Hook. f. Fl. Brit. India 4 : 100. 1883; Gamble, Fl. Pres. Madras 2 : 616. 1957 (repr. ed.).

A small herb, in grasslands.

Distrib.: Chengalpattu, Pudukkottai (RHT), Salem; Dharmapuri, South Arcot, and Tiruchchirappalli (Matthew 1981).

Hoppea fastigiata (Griseb.) Clarke in Hook. f. Fl. Brit. India 4 : 100. 1883; Gamble, Fl. Pres. Madras 2 : 616. 1957 (repr. ed.). *Cicendia fastigiata* Griseb. Gen. Sp. Gent. 158. 1839.

A small herb with yellowish flowers.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Tirunelveli.

Swertia angustifolia Buch. - Ham. var. **pulchella** (Buch. Ham. ex D. Don) Burkill in J. Asiat. Soc. Bengal n. s. 2 : 375. 1906; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.). *S. pulchella* Buch. - Ham. ex D. Don, Prodr. Fl. Nep. 127. 1825; Clarke in Hook. f. Fl. Brit. India 4 : 125. 1883. *S. affinis* (Wight & Arn.) Clarke in Hook. f. Fl. Brit. India 4 : 126. 1883. *Ophelia affinis* Wight & Arn. in Wight, Ill. 2 : 175. t. 157. 1850.

An erect herb, in hilly tracts.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Swertia beddomi Clarke in Hook. f. Fl. Brit. India 4 : 127. 1883; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.).

An erect herb, at higher altitudes.

Distrib.: Nilgiri.

Swertia corymbosa (Griseb.) Wight ex Clarke in Hook. f. Fl. Brit. India 4 : 126. 1883, var. *corymbosa*; Fyson, Fl. South Indian Hill St. 2 : t. 350. 1932; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.). *Ophelia corymbosa* Griseb. Gen. Sp. Gent. 317. 1839; Wight, Ic. t. 1329. 1848.

An erect herb, in higher elevations.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Salem.

Swertia corymbosa (Griseb.) Wight ex Clarke var. *grisebachiana* (Wight) Clarke in Hook. f. Fl. Brit. India 4 : 126. 1883; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.). *Ophelia grisebachiana* Wight, Ic. t. 1330. 1848.

An erect herb, in hills.

Distrib.: Coimbatore (Gamble 1957), Madurai, Nilgiri.

Swertia densifolia (Griseb.) Kashyapa in Kew Bull. 15 : 42. 1961; Vajravelu & Gopalan in J. Econ. Tax. Bot. 3 : 979. 1982. *Ophelia densifolia* Griseb. in DC. Prodr. 9 : 125. 1845. *O. alba* Wight & Arn. in Wight, Ill. 2 : t. 157 b. f. 3F. 1850.

An erect herb.

Distrib.: Coimbatore.

Swertia minor (Griseb.) Knobl. in Bot. Centralbl. 60 : 321. 1894; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.). *Ophelia minor* Griseb. in DC. Prodr. 9 : 126. 1845; Wight, Ic. t. 1332. 1848. *Pleurogyne minor* (Griseb.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 816. 1876; Clarke in Hook. f. Fl. Brit. India 4 : 120. 1883.

A small erect herb, in grasslands in higher elevations.

Distrib.: Madurai, Nilgiri.

Swertia trichotoma (Wight & Arn. ex Wight) Wall. ex Clarke in Hook. f. Fl. Brit. India 4 : 126. 1883; Gamble, Fl. Pres. Madras 2 : 619. 1957 (repr. ed.). *Ophelia trichotoma* Wight & Arn. ex Wight, Ill. 2 : 175b. f. 3G. 1850.

A tall herb, at higher altitudes.

Distrib.: Nilgiri, Ramanathapuram.

MENYANTHACEAE

K. RAMAMURTHY

Nymphoides aurantiacum (Dalz.) Kuntze, Rev. Gen. Pl. 2 : 429. 1891. *Limnanthemum aurantiacum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 136. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 132. 1883; Gamble, Fl. Pres. Madras 2 : 621. 1957 (repr. ed.).

An aquatic herb.

Distrib.: Tirunelveli.

Nymphoides hydrophylla (Lour.) Kuntze, Rev. Gen. Pl. 2 : 429. 1891. *Menyanthes hydrophylla* Lour. Fl. Cochinch. 1 : 129. 1790. *M. cristata* Roxb. Pl. Cor. t. 105. 1798. *Limnanthemum cristatum* (Roxb.) Griseb. Gen. Sp. Gent. 342. 1839; Wight, Ill. 2 : t. 157. bis. f. 4. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 131. 1883; Gamble, Fl. Pres. Madras 2 : 620. 1957 (repr. ed.).

A common aquatic herb.

Distrib.: Almost all districts.

Nymphoides indicum (L.) Kuntze, Rev. Gen. Pl. 2 : 429. 1891. *Menyanthes indica* L. Sp. Pl. 145. 1753. *Limnanthemum indicum* (L.) Griseb. Gen. Sp. Gent. 343. 1839, emend. Thw. Enum. Pl. Zeyl. 205. 1860; Clarke in Hook. f. Fl. Brit. India 4 : 131. 1883; Gamble, Fl. Pres. Madras 2 : 621. 1957 (repr. ed.).

A common aquatic herb.

Distrib.: In all plain districts. E.

HYDROPHYLLACEAE

K. RAMAMURTHY

Hydrolea zeylanica (L.) Vahl, Symb. Bot. 2 : 46. 1791; Wight, Ic. t. 601. 1842; Clarke in Hook. f. Fl. Brit. India 4 : 133. 1883; Gamble, Fl. Pres. Madras 2 : 621. 1957 (repr. ed.). *Nama zeylanica* L. Sp. Pl. 226. 1753.

A common annual herb, in wet areas.

Distrib.: In all plain districts. E.

Wigandia canacasana H.B.K. Nov. Gen. Sp. 3 : 128. 1819; Sharma et al. in Biol. Mem. 2 (1 & 2) : 94. 1977.

An exotic, ornamental, erect undershrub, grown in gardens.

BORAGINACEAE

K. RAMAMURTHY

Carmona retusa (Vahl) Masamune in Trans. Nat. Hist. Soc. Taiwan 30 : 61. 1940; Raizada in Indian Forester 94 : 437. 1968. *Cordia retusa* Vahl, Symb. Bot. 2 : 42. 1791. *Ehretia microphylla* Lam. Tabl. Encycl. 2 : 425. 1792; Gamble, Fl. Pres. Madras 2 : 626. 1957 (repr. ed.). *E. buxifolia* Roxb. Pl. Cor. t. 57. 1796; Clarke in Hook. f. Fl. Brit. India 4 : 144. 1883.

A small shrub, common in scrub forests.

Distrib.: All districts. E.

Coldenia procumbens L. Sp. Pl. 125. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 144. 1883; Gamble, Fl. Pres. Madras 2 : 627. 1957 (repr. ed.).

Tamil: *Seruppada*.

A procumbent herb, common on moist grounds in dry seasons.

Distrib.: All plain districts. E.

Cordia diffusa Jacob in J. Bombay Nat. Hist. Soc. 45 : 78. 1944.

A straggling shrub with white flowers.

Distrib.: Chengalpattu, Coimbatore.

Cordia domestica Roth, Nov. Pl. Sp. 123. 1821; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.). *C. myxa* L. var. *domestica* (Roth) Clarke in Hook. f. Fl. Brit. India 4 : 137. 1883. *C. fulvosa* Wight, Ic. t. 1380. 1848.

A small tree or shrub with tomentose leaves, common in deciduous forests.

Distrib.: Chengalpattu, Nilgiri.

Cordia evolutior (Clarke) Gamble, Fl. Pres. Madras 888. 1923 & 2 : 624. 1957 (repr. ed.). *C. fulvosa* Wight var. *evolutior* Clarke in Hook. f. Fl. Brit. India 4 : 140. 1883.

A small tree, common in dry forests.

Distrib.: Coimbatore, Madurai, Nilgiri, South Arcot, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981).

Cordia gharaf (Forssk.) Ehrenb. ex Asch. in Sitzungsber. Ges. Naturf. Freunde Berlin 46. 1879. *Cornus gharaf* Forssk. Fl. Aeg.-Arab. 95. 1775. *Cordia rothii* Roem. & Schultes, Syst. 4 : 798. 1819; Wight, Ic. t. 1379. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 138. 1883; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.).

Tamil: *Narvilli*.

A small tree, common in scrub forests.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Tirunelveli; Dharmapuri, Salem, South Arcot, Tiruchchirappalli (Matthew 1981). E.

Cordia macleodii (Griff.) Hook. f. & Thoms. in J. Proc. Linn. Soc. Bot. 2 : 128. 1858; Brandis, For. Fl. t. 41. 1874; Clarke in Hook. f. Fl. Brit. India 4 : 139. 1883; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.). *Hemigymnia macleodii* Griff. in Calcutta J. Nat. Hist. 3 : 363. 1843.

A tree, in hilly deciduous forests.

Distrib.: Nilgiri. E.

Cordia monoica Roxb. Pl. Cor. t. 58. 1796; Clarke in Hook. f. Fl. Brit. India 4 : 137. 1883; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.).

A small tree with variable leaves, quite common in hilly regions.

Distrib.: Almost all districts.

Cordia obliqua Willd. Sp. Pl. 1 : 1072. 1798, var. *obliqua*; Clarke in Hook. f. Fl. Brit. India 4 : 137. 1883; Gamble, Fl. Pres. Madras 2 : 623. 1957 (repr. ed.).

Tamil: *Vidi*.

A tree, common in deciduous forests.

Distrib.: Almost all districts. E.

Cordia obliqua Willd. var. *tomentosa* (Wall.) Kazmi in J. Arnold Arbor. 51 : 143. 1970. *C. tomentosa* Wall. in Roxb. Fl. Ind. 2 : 339. 1824. *C. obliqua* Willd. var. *wallichii* (G. Don) Clarke in Hook. f. Fl. Brit. India 4 : 137. 1883. *C. wallichii* G. Don, Gen. Syst. 4 : 379. 1837-1838; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.).

A moderate-sized tree, common in deciduous forests.

Distrib.: In most of the districts. E.

Cordia perrottetii Wight, Ic. t. 1381. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 138. 1883; Gamble, Fl. Pres. Madras 2 : 624. 1957 (repr. ed.).

A small tree, common on black cotton soil.

Distrib.: Chengalpattu.

Cordia sebestena L. Sp. Pl. 190. 1753; Gamble, Fl. Pres. Madras 2 : 625. 1957 (repr. ed.).

A small tree, cultivated as an ornamental. E.

Cordia subcordata Lam. Tabl. Encycl. 2 : 421. 1794; Clarke in Hook. f. Fl. Brit. India 4 : 140. 1883; Gamble, Fl. Pres. Madras 2 : 625. 1957 (repr. ed.).

A small tree, cultivated as an ornamental.

Cynoglossum zeylanicum (Vahl ex Hornem.) Thunb. ex Lehm. in Neue Schriften Naturf. Ges. Halle 3 : 20. 1817. *Anchusa zeylanica* Vahl ex Hornem. Enum. Pl. Hort. Hafn. 3. 1807. *Cynoglossum furcatum* Wall. ex Roxb. Fl. Ind. 2 : 6. 1824; Wight, Ic. t. 1395. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 155. 1883; Gamble, Fl. Pres. Madras 2 : 632. 1957 (repr. ed.). *C. denticulatum* A. DC. var. *zeylanicum* (Vahl ex Hornem.) Clarke in Hook. f. Fl. Brit. India 4 : 157. 1883; Gamble, Fl. Pres. Madras 2 : 632. 1957 (repr. ed.).

Tamil: *Pisinottarai*.

An erect herb.

Distrib.: In most of the districts.

Ehretia aspera Willd. Phytogr. 4. t. 2. 1794; Gamble, Fl. Pres. Madras 2 : 626. 1957 (repr. ed.). *E. laevis* Roxb. var. *aspera* (Willd.) Clarke in Hook. f. Fl. Brit. India 4 : 142. 1883.

A small tree, in dry forests.

Distrib.: Chengalpattu, Coimbatore, North Arcot. E.

Ehretia canarensis (Clarke) Gamble, Fl. Pres. Madras 891. 1923 & 2 : 626. 1957 (repr. ed.). *E. laevis* Roxb. var. *canarensis* Clarke in Hook. f. Fl. Brit. India 4 : 142. 1883. *E. laevis* Wight, Ic. t. 1382. 1848, non Roxb. 1796.

A small tree with white flowers, quite common in lower elevation of hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Ehretia laevis Roxb. Pl. Cor. t. 56. 1796; Clarke in Hook. f. Fl. Brit. India

4 : 141. 1883; Gamble, Fl. Pres. Madras 2 : 626. 1957 (repr. ed.). *E. laevis* Roxb. var. *floribunda* (Benth.) Brandis, For. Fl. 340. 1874; Clarke in Hook. f. Fl. Brit. India 4 : 142. 1883; Kazmi in J. Arnold Arbor. 51 : 147. 1970. *E. floribunda* Benth. in Royle, Ill. 1 : 306. 1839.

Tamil: *Kalvirasu*.

A moderate-sized tree, in deciduous forests.

Distrib.: Almost all districts. E.

Ehretia ovalifolia Wight, Ic. t. 1383. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 143. 1883; Gamble, Fl. Pres. Madras 2 : 626. 1957 (repr. ed.).

A small tree with red drupes, in scrub forests.

Distrib.: Almost all districts.

Ehretia pubescens Benth. in Royle, Ill. 1 : 306. 1836; Gamble, Fl. Pres. Madras 2 : 626. 1957 (repr. ed.). *E. laevis* Roxb. var. *pubescens* (Benth.) Clarke in Hook. f. Fl. Brit. India 4 : 142. 1883.

A shrub, common in scrub jungles.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Salem, South Arcot, Thanjavur, Tiruchchirappalli (Matthew 1981).

Ehretia wightiana Wall. ex G. Don, Gen. Syst. 4 : 388. 1837-1838; Wight, Ic. t. 1384. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 143. 1883; Gamble, Fl. Pres. Madras 2 : 636. 1957 (repr. ed.).

A shrub with white flowers, in hilly areas.

Distrib.: Tirunelveli.

Heliotropium bracteatum R. Br. Prodr. 493. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 151. 1883; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.).

An erect hirsute herb, common in dry rocky areas.

Distrib.: In most of the districts.

Heliotropium curassavicum L. Sp. Pl. 130. 1753; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.).

A glaucous fleshy herb with unisilateral spikes.

Distrib.: Almost all districts.

Heliotropium indicum L. Sp. Pl. 130. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 152. 1883; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.). *Tiaridium indicum* (L.) Lehm. Pl. Asperif. Nucif. 14. 1818; Wight, Ill. 2 : t. 171. 1850.

Tamil: *Thael kodukkupoandu*.

An annual herb, common in wastelands.

Distrib.: In all districts. E.

Heliotropium marifolium Retz. Obs. Bot. 2 : 8. 1781, subsp. *marifolium*; Clarke in Hook. f. Fl. Brit. India 4 : 152. 1883 p.p.; Backer & Bakh. f. Fl. Java 2 : 462. 1965. *H. scabrum* Retz. Obs. Bot. 2 : 8. 1781; Wight, Ic. t. 1389. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 152. 1883; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.).

A woody herb, in waste places.

Distrib.: In all districts.

Heliotropium marifolium Retz. subsp. *wallichii* (Clarke) Kazmi in J. Arnold, Arbor. 51 : 155. 1970. *H. marifolium* Retz. var. *wallichii* Clarke in Hook. f. Fl. Brit. India 4 : 152. 1883. *H. scabrum* Retz. var. *wallichii* (Clarke) Gamble, Fl. Pres. Madras 897. 1923 & 2 : 630. 1957 (repr. ed.).

A branched herb, in plains.

Distrib.: Chengalpattu (Mayuranathan 1929), Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Heliotropium ovalifolium Forssk. Fl. Aeg. - Arab. 38. 1775; Clarke in Hook. f.

Fl. Brit. India 4 : 150. 1883; Gamble, Fl. Pres. Madras 2 : 629. 1957 (repr. ed.).
H. coromandelianum Raddi ex DC. Prodr. 9 : 533. 1845, non Retz. 1781; Wight, Ic. t. 1388. 1848.

An erect herb, common in wastelands.

Distrib.: In all districts.

Heliotropium peruvianum L. Sp. Pl. ed. 2. 1 : 187. 1762; Gamble, Fl. Pres. Madras 2 : 631. 1957 (repr. ed.).

An introduced shrub, grown in gardens.

Heliotropium rottleri Lehm. Pl. Asperif. Nucif. 66. 1818; Wight, Ic. t. 1392. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 151. 1883; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.).

An undershrub, on black cotton soils.

Distrib.: Coimbatore.

Heliotropium strigosum Willd. subsp. *brevifolium* (Wall.) Kazmi in J. Arnold Arbor. 51 : 153. 1970. *H. brevifolium* Wall. in Roxb. Fl. Ind. 2 : 2. 1824; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.). *H. strigosum* Willd. var. *brevifolium* (Wall.) Clarke in Hook. f. Fl. Brit. India 4 : 151. 1883.

An undershrub with white strigose leaves, common in hilly regions.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Heliotropium subulatum (Hochst. ex DC.) Vatke in Oesterr. Bot. Z. 25 : 166. 1875; Gamble, Fl. Pres. Madras 2 : 629. 1957 (repr. ed.). *Tournefortia subulata* Hochst. ex DC. Prodr. 9 : 528. 1845. *Heliotropium zeylanicum* auct. non (Burm. f.) Lam. 1789; Wight, Ic. t. 892. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 148. 1883.

Tamil: *Thelipoindu*.

An erect annual herb, often on black cotton soil.

Distrib.: Coimbatore, Dharmapuri, Salem, Tirunelveli. E.

Heliotropium supinum L. Sp. Pl. 130. 1753; Wight, Ic. t. 1387. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 149. 1883; Gamble, Fl. Pres. Madras 2 : 629. 1957 (repr. ed.).

A prostrate annual herb, often on black cotton soil.

Distrib.: In most of the districts.

Heliotropium zeylanicum (Burm. f.) Lam. Encycl. 3 : 94. 1789, subsp. *zeylanicum*; Gamble, Fl. Pres. Madras 2 : 630. 1957 (repr. ed.). *H. curassavicum* L. var. *zeylanicum* Burm. f. Fl. Ind. 41. t. 16. f. 2. 1768. *H. linifolium* Lehm. Pl. Asperif. Nucif. 35. 1818; Wight, Ic. t. 1391. 1848.

An erect herb, common in wastelands.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Madurai (FRC), Nilgiri, Pudukkottai (RHT), Thanjavur, Tiruchchirappalli; Salem and South Arcot (Matthew 1981).

Heliotropium zeylanicum (Burm. f.) Lam. subsp. *paniculatum* (R. Br.) Kazmi in J. Arnold Arbor. 51 : 156. 1970. *H. paniculatum* R. Br. Prodr. 494. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 151. 1883.

An erect herb with linear leaves.

Distrib.: "S. Deccan" (Clarke 1883).

Rotula aquatica Lour. Fl. Cochinch. 1 : 121. 1790; Gamble, Fl. Pres. Madras 2 : 627. 1957 (repr. ed.). *Rhabdia lycioides* Mart. & Zucc. Nov. Gen. Sp. 2:136. t. 195. 1827; Clarke in Hook. f. Fl. Brit. India 4 : 145. 1883. *Ehretia cuneata* Wight, Ic. t. 1385. 1848.

A branched shrub, on the banks of rivers and streams.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, Tirunelveli.

Tournefortia argentea L. f. Suppl. Pl. 133. 1781; Sundararaj in J. Bombay Nat. Hist. Soc. 63 : 226. 1966.

A small tree.

Distrib.: Ramanathapuram (Sundararaj 1966).

Tournefortia heyneana Wall. ex Clarke in Hook. f. Fl. Brit. India 4 : 145. 1883; Gamble, Fl. Pres. Madras 2 : 628. 1957 (repr. ed.).

A subsucculent shrub, in higher altitudes.

Distrib.: Coimbatore, Nilgiri.

Tournefortia reticosa Wight, Ic. t. 1386. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 146. 1883; Gamble, Fl. Pres. Madras 2 : 628. 1957 (repr. ed.).

A subsucculent shrub, leaves with prominent nerves.

Distrib.: Coimbatore (Fischer 1921), Nilgiri.

Tournefortia wightii Clarke in Hook. f. Fl. Brit. India 4 : 628. 1883; Gamble, Fl. Pres. Madras 2 : 628. 1957 (repr. ed.).

A subsucculent shrub with pubescent leaves.

Distrib.: Coimbatore (CAL).

Trichodesma indicum (L.) R. Br. Prodr. 496. 1810; Wight, Ill. 2 : t. 172. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 153. 1883; Gamble, Fl. Pres. Madras 2 : 631. 1957 (repr. ed.). *Borago indica* L. Sp. Pl. 137. 1753.

An erect annual herb, in wastelands.

Distrib.: In all districts.

Trichodesma sedgwickianum Banerjee in Bull. Bot. Soc. Bengal 16 : 10. 1962. *T. amplexicaule* DC. Prodr. 10 : 172. 1846, non Roth 1821; Clarke in Hook. f. Fl. Brit. India 4 : 153. 1883 p.p.; Gamble, Fl. Pres. Madras 2 : 631. 1957 (repr. ed.).

An erect hispid herb with broad leaves,

Distrib.: Coimbatore, Madurai.

Trichodesma zeylanicum (Burm. f.) R. Br. Prodr. 496. 1810, "zeylanica"; Clarke in Hook. f. Fl. Brit. India 4 : 154. 1883; Gamble, Fl. Pres. Madras 2 : 632. 1957 (repr. ed.). *Borago zeylanica* Burm. f. Fl. Ind. 41. 1768.

An annual herb with bluish flowers; common in dry areas.

Distrib.: In most of the districts.

CONVOLVULACEAE

M. CHANDRABOSE

Aniseia martinicensis (Jacq.) Choisy in Mem. Soc. Phys. Geneve 8 : 66. 1837. *Convolvulus martinicensis* Jacq. Select. Am. 26. t. 17. 1763. *Ipomoea uniflora* (Burm. f.) Roem. & Schultes, Syst. 4 : 247. 1819; Clarke in Hook. f. Fl. Brit. India 4 : 201. 1883. *Convolvulus uniflorus* Burm. f. Fl. Ind. 47. t. 21. f. 2. 1768. *Aniseia uniflora* (Burm. f.) Choisy, Convolv. Orient. 101. 1834; Wight, Ic. t. 850. 1845; Gamble, Fl. Pres. Madras 2 : 649. 1957 (repr. ed.).

A prostrate herb.

Distrib.: "E. Coast, near Nagapatam" (Gamble 1957).

Argyreia argentea Choisy var. *venusta* (Choisy) Clarke in Hook. f. Fl. Brit. India 4 : 185. 1883. *A. venusta* Choisy, Convolv. Orient. 37. 1834.

A large climbing shrub.

Distrib.: Nilgiri.

Argyreia connoorensis W.W. Smith & Ramaswami in Rec. Bot. Surv. India 6 : 30. 1913; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.).

A large climber, at higher altitudes.

Distrib.: Nilgiri (CAL).

Argyreia cuneata (Willd.) Ker-Gawl. in Bot. Reg. 8 : t. 661. 1822; Clarke in Hook. f. Fl. Brit. India 4 : 191. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.). *Convolvulus cuneatus* Willd. Sp. Pl. 1 : 873. 1798. *Rivea cuneata* (Willd.) Wight, Ic. t. 890. 1844-1845.

Tamil: *Vettai chedi*, *Kanvalipoo*.

A pretty silky shrub, in hilly tracts.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem, South Arcot; Dharmapuri and Tiruchchirappalli (Matthew 1981). E.

Argyreia cymosa (Roxb.) Sweet, Hort. Brit. ed. 2. 373. 1830; Wight, Ic. t. 839. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 190. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.). *Lettsomia cymosa* Roxb. Fl. Ind. 2 : 82. 1824.

A climber, in scrubs and on hedges.

Distrib.: Chengalpattu, Coimbatore (Sebastine 1959); "Carnatic, in coast Districts" (Gamble 1957).

Argyreia daltonii Clarke in Hook. f. Fl. Brit. India 4 : 190. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.).

Tamil: *Karu onankodi*.

A large climber.

Distrib.: Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981); Tirunelveli.

Argyreia elliptica (Roth) Choisy, Convolv. Orient. 35. 1834. *Ipomoea elliptica* Roth, Nov. Pl. Sp. 113. 1821. *Lettsomia elliptica* (Roth) Wight, Ic. t. 1356. 1848, in nota; Clarke in Hook. f. Fl. Brit. India 4 : 192. 1883; Gamble, Fl. Pres. Madras 2 : 640. 1957 (repr. ed.).

Tamil: *Thaali vendaankodi*.

A bushy climber.

Distrib.: Coimbatore, Dharmapuri, (Matthew 1981), Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Argyreia fulgens Choisy, Convolv. Orient. 33. 1834; Wight, Ic. t. 1357. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 191. 1883; Gamble, Fl. Pres. Madras 2 : 639. 1957 (repr. ed.).

A silky white shrub, in hilly tracts.

Distrib.: Coimbatore, Madurai, Tirunelveli (Gamble 1957). E.

Argyreia hirsuta Wight & Arn. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18 : 356. 1836, var. *hirsuta*; Clarke in Hook. f. Fl. Brit. India 4 : 189. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.). *Rivea hirsuta* (Wight & Arn.) Wight, Ic. t. 891. 1845.

A large shaggy climber, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Argyreia hirsuta Wight var. *coacta* Clarke in Hook. f. Fl. Brit. India 4 : 189. 1883.

A large climber.

Distrib.: North Arcot.

Argyreia imbricata (Roth) Sant. & Patel in Trans. Bose Res. Inst. Calcutta 22 : 40. 1958. *Ipomoea imbricata* Roth, Nov. Pl. Sp. 112. 1821. *Lettsomia aggregata* Roxb. Fl. Ind. 2 : 76. 1824; Wight, Ic. t. 1359. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 191. 1883; Gamble, Fl. Pres. Madras 2 : 639. 1957 (repr. ed.). *L. mysorensis* Clarke in Hook. f. Fl. Brit. India 4 : 192. 1883; Fischer in Rec. Bot. Surv. India 9(1) : 123. 1921.

A large climbing shrub, in hilly tracts.

Distrib.: Coimbatore, Ramanathapuram, Tiruchchirappalli (Matthew 1981), Tirunelveli; "Deccan and Carnatic" (Gamble 1957). E.

Argyreia involucrata Clarke in Hook. f. Fl. Brit. India 4 : 187. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.).

A large shrub.

Distrib.: Madurai, Salem (CAL).

Argyreia kleiniana (Roem. & Schultes) Raizada in Indian Forester 92 : 302. 1966. *Ipomoea kleiniana* Roem. & Schultes, Syst. 4 : 789. 1819. *Argyreia bracteata* Choisy, Convolv. Orient. 99. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 188. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.).

Tamil: *Malai onankodi*.

A climbing shrub, in hills.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Argyreia nellygherya Choisy, Convolv. Orient. 32. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 189. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.).

A large climber, in hills at high altitudes.

Distrib.: Nilgiri. O.

Argyreia nervosa (Burm. f.) Boj. Hort. Maurit. 224. 1837. *Convolvulus nervosus* Burm. f. Fl. Ind. 48. 1768. *Argyreia speciosa* Sweet, Hort. Brit. ed. 1. 289. 1827; Wight, Ic. t. 851. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 185. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.).

Tamil: *Samutrappachai*.

A large climbing shrub.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981); "Deccan and Carnatic" (Gamble 1957). E.

Argyreia osyrensis (Roth) Choisy in Mem. Soc. Phys. Geneve 6 : 427. 1843, "orixensis". *Ipomoea osyrensis* Roth, Nov. Pl. Sp. 117. 1821. *Lettsomia aggregata* Roxb. var. *osyrensis* (Roth) Clarke in

Hook. f. Fl. Brit. India 4 : 192. 1883; Gamble, Fl. Pres. Madras 2 : 639. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Madurai; "Hills of the Carnatic" (Gamble 1957).

Argyreia pilosa Arn. Pugill. Pl. Ind. Or. 38. 1836; Hook. f. Fl. Brit. India 4 : 189. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.); Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 1012. 1983.

Tamil: *Koppakkizhangu, Pali Unnakizhangu*.

A climbing shrub.

Distrib.: Tamilnadu Carnatic (Rani & Matthew 1983).

Argyreia pomacea (Roxb.) Choisy, Convolv. Orient. 32. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 188. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.). *Lettsomia pomacea* Roxb. Fl. Ind. 2 : 83. 1824. *Rivea pomacea* (Roxb.) Wight, Ic. t. 888. 1845.

A large climber.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem.

Argyreia populifolia Choisy, Convolv. Orient. 32. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 187. 1883; Gamble, Fl. Pres. Madras 2 : 637. 1957 (repr. ed.).

A slender climber.

Distrib.: South Arcot (Matthew 1981), Thanjavur, Tirunelveli.

Argyreia sericea Dalz. in Dalz. & Gibs. Bombay Fl. 169. 1861; Clarke in Hook. f. Fl. Brit. India 4 : 188. 1883; Gamble, Fl. Pres. Madras 2 : 638. 1957 (repr. ed.).

A large silky twiner.

Distrib.: Coimbatore, Nilgiri, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Argyreia setosa (Roxb.) Choisy, *Convolv. Orient.* 43. 1834. *Lettsomia setosa* Roxb. *Fl. Ind.* 1 : 490. 1820; Wight, *Ic. t.* 1360. 1848; Clarke in Hook. f. *Fl. Brit. India* 4 : 194. 1883; Gamble, *Fl. Pres. Madras* 2 : 640. 1957 (repr. ed.).

A large climber.

Distrib.: Madurai, Nilgiri.

Bonamia evolvuloides (Choisy) Raizada in *Indian Forester* 84 : 474. 1958. *Seddera evolvuloides* (Choisy) Wight, *Ic. t.* 1369. 1848. *Breweria evolvuloides* Choisy, *Convolv. Orient.* 112. 1834; Clarke in Hook. f. *Fl. Brit. India* 4 : 224. 1883; Gamble, *Fl. Pres. Madras* 2 : 648. 1957 (repr. ed.).

An erect branched undershrub.

Distrib.: Kanniyakumari, Tirunelveli; "Carnatic" (Gamble 1957).

Bonamia semidigyna (Roxb.) Hall. f. in *Bot. Jahrb. Syst.* 16 : 528. 1893. *Convolvulus semidigynus* Roxb. *Fl. Ind.* 2 : 47. 1824. *Breweria cordata* Blume, *Bijdr.* 722. 1826; Clarke in Hook. f. *Fl. Brit. India* 4 : 223. 1883; Gamble, *Fl. Pres. Madras* 2 : 648. 1957 (repr. ed.). *B. roxburghii* Choisy in *Mem. Soc. Phys. Geneve* 6 : 493. 1834; Wight, *Ic. t.* 1370. 1848.

A large climber.

Distrib.: Coimbatore.

Convolvulus arvensis L. *Sp. Pl.* 153. 1753; Clarke in Hook. f. *Fl. Brit. India* 4 : 219. 1883; Gamble, *Fl. Pres. Madras* 2 : 650. 1957 (repr. ed.).

A trailing or twining herb.

Distrib.: Coimbatore, Nilgiri (CAL), Tiruchchirappalli (RHT); "Deccan and hills of W.Ghats" (Gamble 1957). E.

Convolvulus flavus Willd. *Sp. Pl.* 1 : 852. 1798; Clarke in Hook. f. *Fl. Brit. India* 4 : 219. 1883; Gamble, *Fl. Pres. Madras*

2 : 650. 1957 (repr. ed.). *C. rufescens* Choisy, *Convolv. Orient.* 97. 1834; Wight, *Ic. t.* 1365. 1848.

A climber, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (UCT).

Convolvulus rottlerianus Choisy, *Convolv. Orient.* 95. 1834; Clarke in Hook. f. *Fl. Brit. India* 4 : 219. 1883; Gamble, *Fl. Pres. Madras* 2 : 650. 1957 (repr. ed.).

An erect branched undershrub, in dry grasslands.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Salem.

Cressa cretica L. *Sp. Pl.* 223. 1753; Clarke in Hook. f. *Fl. Brit. India* 4 : 225. 1883; Gamble, *Fl. Pres. Madras* 2 : 647. 1957 (repr. ed.).

Tamil: *Vuppu marikkozhunthu*.

A small erect undershrub, in dry areas.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli. E.

Cuscuta campestris Decne. ex Engelm. in *Trans. Acad. Sci. St. Louis* 1 : 514. 1860.

A slender-stemmed parasite.

Distrib.: Coimbatore.

Cuscuta chinensis Lam. *Encycl.* 2 : 229. 1786; Wight, *Ic. t.* 1373. 1848; Clarke in Hook. f. *Fl. Brit. India* 4 : 226. 1883; Gamble, *Fl. Pres. Madras* 2 : 654. 1957 (repr. ed.).

A very slender-stemmed parasite.

Distrib.: Chengalpattu, Coimbatore. E.

Cuscuta hyalina Roth, *Nov. Pl. Sp.* 100. 1821; Clarke in Hook. f. *Fl. Brit. India* 4 : 226. 1883; Gamble, *Fl. Pres. Madras* 2 : 654. 1957 (repr. ed.). *C. arabica* Wight, *Ic. t.* 1371. 1848, non Fresen. 1834.

A very slender-stemmed parasite.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Cuscuta reflexa Roxb. Pl. Cor. t. 104. 1798; Clarke in Hook. f. Fl. Brit. India 4 : 225. 1883; Gamble, Fl. Pres. Madras 2 : 654. 1957 (repr. ed.).

A rather thick-stemmed parasite.

Distrib.: All districts. E.

Erycibe paniculata Roxb. Pl. Cor. t. 159. 1802; Wight, Ill. 2 : t. 180. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 180. 1883; Gamble, Fl. Pres. Madras 2 : 653. 1957 (repr. ed.).

Tamil: *Unamkodi*.

A large climbing shrub.

Distrib.: Tirunelveli. E.

Evolvulus alsinoides (L.) L. Sp. Pl. ed. 2. 1 : 392. 1762; Clarke in Hook. f. Fl. Brit. India 4 : 220. 1883; Gamble, Fl. Pres. Madras 2 : 648. 1957 (repr. ed.).
Convolvulus alsinoides L. Sp. Pl. 157. 1753.

Tamil: *Vishnukarandi*.

A prostrate herb.

Distrib.: All districts. E.

Evolvulus nummularius (L.) L. Sp. Pl. ed. 2. 1 : 391. 1762. *Convolvulus nummularius* L. Sp. Pl. 157. 1753.

A prostrate herb.

Distrib.: Chengalpattu, Kanniyakumari, South Arcot.

Hewittia sublobata (L. f.) Kuntze, Rev. Gen. Pl. 2 : 441. 1891. *Convolvulus sublobatus* L. f. Suppl. Pl. 135. 1781. *Hewittia bicolor* (Vahl) Wight & Arn. in Madras J. Lit. Sci. 5 : 22. 1837; Wight, Ic. t. 835. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 216. 1883; Gamble, Fl. Pres. Madras 2 : 649. 1957 (repr. ed.).

Convolvulus bicolor Vahl, Symb. Bot. 3 : 25. 1794, non Desr. 1791.

A climbing herb.

Distrib.: All districts.

Ipomoea alba L. Sp. Pl. 161. 1753. *I. bona-nox* L. Sp. Pl. ed. 2. 1 : 228. 1762; Clarke in Hook. f. Fl. Brit. India 4 : 197. 1883. *Calonyction bona-nox* (L.) Boj. Hort. Maurit. 227. 1837; Gamble, Fl. Pres. Madras 2 : 646. 1957 (repr. ed.). *C. speciosum* Choisy, Convolv. Orient. 59. t. 1. f. 4. 1834; Fischer in Rec. Bot. Surv. India 9 (1) : 123. 1921.

Tamil: *Naganamukkorui*.

A large climber.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, Salem. E.

Ipomoea aquatica Forssk. Fl. Aeg.-Arab. 44. 1775; Clarke in Hook. f. Fl. Brit. India 4 : 210. 1883. *I. reptans* Poir. in Lam. Encycl. Suppl. 3 : 460. 1814; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.).

Tamil: *Sarkaravalli*.

A trailing herb.

Distrib.: All districts. E.

Ipomoea asarifolia (Desr.) Roem. & Schultes, Syst. 4 : 251. 1819. *Convolvulus asarifolius* Desr. in Lam. Encycl. 3 : 562. 1792. *Ipomoea repens* Lam. Tabl. Encycl. 2 : 467. 1793; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.). *I. beladamboe* Roem. & Schultes, Syst. 4 : 233. 1819; Clarke in Hook. f. Fl. Brit. India 4 : 209. 1883. *I. rugosa* (Rottl.) Choisy in Mem. Soc. Phys. Geneve 6 : 446. 1834; Wight, Ic. t. 887. 1844 1845. *Convolvulus rugosus* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 196. 1803.

A prostrate or twining herb, in wet places.

Distrib.: All districts.

Ipomoea barlerioides (Choisy) Benth. ex Clarke in Hook. f. Fl. Brit. India 4 : 201. 1883; Gamble, Fl. Pres. Madras 2 : 642. 1957 (repr. ed.). *Aniseia barlerioides* Choisy, Convolv. Orient. 102. 1834.

A trailing herb, in grassy places.

Distrib.: Coimbatore, Tirunelveli.

Ipomoea batatas (L.) Lam. Tabl. Encycl. 2 : 465. 1793; Clarke in Hook. f. Fl. Brit. India 4 : 202. 1883; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.). *Convolvulus batatas* L. Sp. Pl. 154. 1753.

Tamil: *Sarkaraivalli-kilangu*.

A prostrate or ascending herb; cultivated. E.

Ipomoea cairica (L.) Sweet, Hort. Brit. ed. 1. 287. 1827; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.). *Convolvulus cairicus* L. Syst. Nat. ed. 10. 922. 1759. *Ipomoea pulchella* sensu Wight, Ic. t. 156. 1839, non Roth 1821. *I. palmata* Forssk. Fl. Aeg.-Arab. 43. 1775; Clarke in Hook. f. Fl. Brit. India 4 : 214. 1883.

A glabrous climber, cultivated in gardens. E.

Ipomoea campanulata L. Sp. Pl. 160. 1753; Wight, Ic. t. 1375. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 211. 1883 incl. var. *illustris*; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.).

A large climber, in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Ipomoea carnea Jacq. Enum. Pl. Carib. 13. 1760; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.).

An erect shrub, cultivated. E.

Ipomoea coptica (L.) Roth ex Roem. & Schultes, Syst. 4 : 208. 1819. *Convolvulus copticus* L. Mant. Pl. 559. 1771. *Ipomoea dissecta* Willd. Phytogr. 5. t. 2. f. 3. 1794; Clarke in Hook. f. Fl. Brit. India 4 : 200.

1883; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.).

A slender trailing herb.

Distrib.: Chengalpattu, South Arcot (Matthew 1981). E.

Ipomoea deccana Austin in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 1 : 324. 1980. *I. bracteata* Wight, Ic. t. 1374. 1848, non Cav. 1799; Clarke in Hook. f. Fl. Brit. India 4 : 203. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.).

A slender climber.

Distrib.: Coimbatore (CAL & FRC).

Ipomoea dichroa Choisy in DC. Prodr. 9 : 364. 1845; Verdc. in Kew Bull. 33 : 165. 1978. *I. pilosa* (Roxb.) Sweet, Hort. Brit. ed. 1. 289. 1827, non Houtt. 1777; Clarke in Hook. f. Fl. Brit. India 4 : 213. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.). *Convolvulus pilosus* Roxb. Fl. Ind. 2 : 55. 1824, non Rottl. 1803.

Tamil: *Paal nirattai*.

A climber.

Distrib.: Dharmapuri, Salem (Matthew 1981); "Deccan and Carnatic, from Anantapur to Tinnevely" (Gamble 1957).

Ipomoea diversifolia R. Br. Prodr. 487. 1810. *I. laciniata* Clarke in Hook. f. Fl. Brit. India 4 : 200. 1883; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.).

A slender creeper.

Distrib.: Kanniyakumari, South Arcot (Matthew 1981), Tirunelveli.

Ipomoea eriocarpa R. Br. Prodr. 484. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 204. 1883. *I. hispida* (Vahl) Roem. & Schultes, Syst. 4 : 238. 1819, non Zucc. 1806; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.). *Convolvulus hispidus* Vahl, Symb. Bot. 3 : 29. 1794. *Ipomoea*

sessiliflora Roth, Nov. Pl. Sp. 116. 1821; Wight, Ic. t. 169. 1839.

A slender twining herb, in plains.

Distrib.: All districts.

Ipomoea hederifolia L. Syst. Nat. ed. 10. 925. 1759. *Quamoclit phoenicea* (Roxb.) Choisy, Convolv. Orient. 51. 1834; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.). *Ipomoea phoenicea* Roxb. Fl. Ind. 2 : 92. 1824. *I. coccinea* sensu Clarke in Hook. f. Fl. Brit. India 4 : 199. 1883, non L. 1753.

Tamil: *Kanavalikkodi*.

A weak climber.

Distrib.: All districts.

Ipomoea indica (Burm. f.) Merr. Interpr. Rumph. Herb. Amboin. 445. 1917. *Convolvulus indicus* Burm. f. in Rumph. Herb. Amboin. Index Univ. 7 : 6. 1755. *Ipomoea learii* Paxt. Mag. Bot. 6 : t. 267. 1839; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.).

A perennial ornamental twiner, cultivated. E.

Ipomoea involucrata Beauv. Fl. Owar. 2 : 52. t. 89. 1817; Fischer in Rec. Bot. Surv. India 9(1) : 123. 1921.

A twining herb.

Distrib.: Coimbatore (Fischer 1921).

Ipomoea kentrocaulos Clarke in Hook. f. Fl. Brit. India 4 : 213. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.).

A stout climber.

Distrib.: Chengalpattu; "E. and W. Coasts" (Gamble 1957).

Ipomoea mauritiana Jacq. Coll. Bot. 4 : 216. 1791. *I. paniculata* R. Br. Prodr. 486. 1810; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.). *I. digitata* sensu Clarke in Hook. f. Fl. Brit. India 4 : 202. 1883, non L. 1759.

Tamil: *Nilappoosani*.

A large climber.

Distrib.: Chengalpattu, Coimbatore; "Deccan, probably cultivated and run wild only; W. Coast, from S. Canara to Travancore" (Gamble 1957). E.

Ipomoea nil (L.) Roth, Cat. Bot. 1 : 36. 1797. *Convolvulus nil* L. Sp. Pl. ed. 2. 1 : 219. 1762. *Ipomoea hederacea* auct. non (L.) Jacq. 1787; Clarke in Hook. f. Fl. Brit. India 4 : 199. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.).

Tamil: *Kakkattan*.

A slender climber.

Distrib.: All districts.

Ipomoea obscura (L.) Ker-Gawl. in Bot. Reg. 3 : t. 239. 1817; Clarke in Hook. f. Fl. Brit. India 4 : 207. 1883; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.). *Convolvulus obscurus* L. Sp. Pl. ed. 2. 1 : 220. 1762.

Tamil: *Struttalai*.

A twining herb, in plains.

Distrib.: All districts.

Ipomoea pes-caprae (L.) R. Br. in Tuckey, Narr. Exp. Zaire 477. 1818; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.). *Convolvulus pes-caprae* L. Sp. Pl. 159. 1753. *Ipomoea biloba* Forssk. Fl. Aeg.-Arab. 44. 1775; Clarke in Hook. f. Fl. Brit. India 4 : 212. 1883.

Tamil: *Attukkal, Kudhirai kulambu*.

A large creeper.

Distrib.: All districts.

Ipomoea pes-tigridis L. Sp. Pl. 162. 1753; Wight, Ic. t. 836. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 204. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.). *I. pes-tigridis* L. var. *hepaticifolia* (L.) Clarke in Hook. f. Fl.

Brit. India 4 : 204. 1883; Fischer in Rec. Bot. Surv. India 9(1) : 124. 1921. *I. hepaticifolia* L. Sp. Pl. 161. 1753.

Tamil: *Pulichovadi, Punaikkirai*.

A hairy climbing herb.

Distrib.: All districts.

Ipomoea pileata Roxb. Fl. Ind. 2 : 94. 1824; Wight, Ic. t. 1363. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 203. 1883; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.).

A twining herb.

Distrib.: Coimbatore (CAL & PCM).

Ipomoea purpurea (L.) Roth, Bot. Abh. 27. 1787; Clarke in Hook. f. Fl. Brit. India 4 : 200. 1883; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.). *Convolvulus purpureus* L. Sp. Pl. ed. 2. 1 : 219. 1762.

An ornamental climber; cultivated. E.

Ipomoea quamoclit L. Sp. Pl. 159. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 199. 1883. *Quamoclit pinnata* (Desr.) Boj. Hort. Maurit. 224. 1837. *Convolvulus pinnatus* Desr. in Lam. Encycl. 3 : 567. 1792.

Tamil: *Kembumalligai, Mayilmannikkam*.

A slender twiner, cultivated. E.

Ipomoea rumicifolia Choisy, Convolv. Orient. 65. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 207. 1883; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.).

A trailing herb.

Distrib.: Coimbatore; "Deccan and Carnatic" (Gamble 1957).

Ipomoea sepiaria Koen. ex Roxb. Fl. Ind. 2 : 90. 1824; Wight, Ic. t. 838. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 209. 1883; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.).

Tamil: *Talikkirai*.

A twining herb.

Distrib.: All districts. E.

Ipomoea sinensis (Desr.) Choisy in Mem. Soc. Phys. Geneve 6 : 459. 1834. *Convolvulus sinensis* Desr. in Lam. Encycl. 3 : 557. 1792. *Ipomoea calycina* (Choisy) Clarke in Hook. f. Fl. Brit. India 4 : 201. 1883; Gamble, Fl. Pres. Madras 2 : 642. 1957 (repr. ed.). *Aniseia calycina* Choisy, Convolv. Orient. 100. 1834; Wight, Ic. t. 833. 1845.

A slender twining herb, in hills.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore.

Ipomoea staphylina Roem. & Schultes, Syst. 4 : 249. 1819; Clarke in Hook. f. Fl. Brit. India 4 : 210. 1883; Gamble, Fl. Pres. Madras 2 : 643. 1957 (repr. ed.). *I. racemosa* Roth, Nov. Pl. Sp. 115. 1821; Wight, Ill. 2 : t. 168. 1850.

Tamil: *Onaan kodi*.

A large climbing shrub.

Distrib.: All districts.

Ipomoea tuberculata Ker-Gawl. in Bot. Reg. 1 : t. 86. 1816 (February). *I. dasysperma* Jacq. Ecol. Pl. Rar. 1 : 132. t. 89. 1816 (August); Clarke in Hook. f. Fl. Brit. India 4 : 215. 1883; Gamble, Fl. Pres. Madras 2 : 645. 1957 (repr. ed.).

A slender climber.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore (CAL).

Ipomoea turbinata Lag. Gen. Sp. Pl. 10. 1816; Verdc. in Kew Bull. 33 : 167. 1978. *I. muricata* (L.) Jacq. Hort. Schoenbr. 3 : 40. t. 323. 1803, non Cav. 1799; Clarke in Hook. f. Fl. Brit. India 4 : 197. 1883. *Convolvulus muricatus* L. Mant. Pl. 44. 1767. *Calonyction*

muricatum (L.) G. Don, Gen. Syst. 4 : 264, 1837-1838; Gamble, Fl. Pres. Madras 2 : 646. 1957 (repr. ed.).

Tamil: *Kattutalai*.

A slender climber.

Distrib.: Chengalpattu (Mayuranathan 1929), Nilgiri. E.

Ipomoea violacea L. Sp. Pl. 161. 1753; Verdc. in Kew Bull. 33: 167. 1978. *I. tuba* (Schlecht.) G. Don, Gen. Syst. 4 : 271. 1837-1838; Ooststr. in Steenis, Fl. Males. ser. 1. 4 : 487. 1953. *Convolvulus tuba* Schlecht. in Linnaea 6 : 735. 1831. *Ipomoea grandiflora* sensu Clarke in Hook. f. Fl. Brit. India 4 : 198. 1883, non Lam. 1791. *I. macrantha* Roem. & Schultes, Syst. 4 : 251. 1819.

An extensive twiner.

Distrib.: Ramanathapuram, Thanjavur.

Ipomoea wightii (Wall.) Choisy in Mem. Soc. Phys. Geneve 6 : 470. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 203. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.). *Convolvulus wightii* Wall. Pl. Asiat. Rar. 2 : 55. t. 171. 1831.

A climbing undershrub, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

Jacquemontia caerulea Choisy in Mem. Soc. Phys. Geneve 6 : 476. 1834; Gamble, Fl. Pres. Madras 2 : 650. 1957 (repr. ed.).

An ornamental climber; cultivated. E.

Jacquemontia paniculata (Burm. f.) Hall. f. in Bot. Jahrb. Syst. 16 : 541. 1893; Gamble, Fl. Pres. Madras 2 : 650. 1957 (repr. ed.). *Ipomoea paniculata* Burm. f. Fl. Ind. 50. t. 21. f. 3. 1768. *Convolvulus parviflorus* Vahl, Symb. Bot. 3 : 29. 1794, non Desr. 1791; Clarke in Hook. f. Fl. Brit. India 4 : 220. 1883.

A slender climber.

Distrib.: All districts.

Jacquemontia pentantha (Jacq.) G. Don, Gen. Syst. 4 : 283. 1837-1838. *Convolvulus pentanthus* Jacq. Coll. Bot. 4 : 210. 1780.

An ornamental twining herb; cultivated.

Lepistemon leocalyx Stapf in Kew Bull. 1895: 113. 1895; Gamble, Fl. Pres. Madras 2 : 646. 1957 (repr. ed.).

A villous climber.

Distrib.: Nilgiri.

Merremia aegyptia (L.) Urban, Symb. Antill. 4 : 505. 1910; Gamble, Fl. Pres. Madras 2 : 652. 1957 (repr. ed.). *Ipomoea aegyptia* L. Sp. Pl. 162. 1753. *I. pentaphylla* (L.) Jacq. Ic. Pl. Rar. 2 : 10. t. 319. 1788; Clarke in Hook. f. Fl. Brit. India 4 : 202. 1883. *Convolvulus pentaphyllus* L. Sp. Pl. ed. 2. 1 : 223. 1762. *Batatas pentaphylla* (L.) Choisy, Convolv. Orient. 54. 1834; Wight, Ic. t. 834. 1844-1845.

A slender twining herb.

Distrib.: Chengalpattu, Tirunelveli; Dharmapuri and Tiruchchirappalli (Matthew 1981); "Deccan, Carnatic" (Gamble 1957).

Merremia dissecta (Jacq.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893, "dissecta"; Gamble, Fl. Pres. Madras 2 : 652. 1957 (repr. ed.). *Convolvulus dissectus* Jacq. Obs. 2 : 4. t. 28. 1767. *Ipomoea sinuata* Orteg. Nov. Rar. Pl. Matr. 7 : 84. 1798; Clarke in Hook. f. Fl. Brit. India 4 : 214. 1883.

A twining herb, sometimes cultivated.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, South Arcot (Matthew 1981), Tiruchchirappalli (RHT); "Deccan, Carnatic" (Gamble 1957).

Merremia emarginata (Burm. f.) Hall f. in Bot. Jahrb. Syst. 16 : 552. 1893; Gamble, Fl. Pres. Madras 2 : 652. 1957

(repr. ed.). *Evolvulus emarginatus* Burm. f. Fl. Ind. 77. t. 30. f. 1. 1768. *Ipomoea reniformis* (Roxb.) Choisy in Mem. Soc. Phys. Geneve 6 : 446. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 206. 1883. *Convolvulus reniformis* Roxb. Fl. Ind. 2 : 67. 1824.

Tamil: *Perettaikkirai*, *Yelikkaadhu keerai*.

Distrib.: Chengalpattu, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli. E.

Merremia gemella (Burm. f.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893. *Convolvulus gemellus* Burm. f. Fl. Ind. 46. t. 21. f. 1. 1768. *Ipomoea polyantha* Miq. Fl. Ind. Bat. 613. 1857; Clarke in Hook. f. Fl. Brit. India 4 : 206. 1883.

A twining or prostrate herb, cultivated.

Merremia hederacea (Burm. f.) Hall. f. in Bot. Jahrb. Syst. 18 : 118. 1894. *Evolvulus hederaceus* Burm. f. Fl. Ind. 77. t. 30. f. 2. 1768. *Ipomoea chryseides* Ker - Gawl. in Bot. Reg. 4 : t. 270. 1818; Wight, Ic. t. 157. 1839; Clarke in Hook. f. Fl. Brit. India 4 : 206. 1883. *Merremia chryseides* (Ker-Gawl.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893; Gamble, Fl. Pres. Madras 2 : 652. 1957 (repr. ed.).

A climbing herb.

Distrib.: Almost all districts.

Merremia quinata (R. Br.) OOSTSTR. in J. Arnold Arbor. 29 : 417. 1948. *Ipomoea quinata* R. Br. Prodr. 486. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 214. 1883; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.).

A slender twining herb.

Distrib.: Coimbatore (CAL), Tiruchchirappalli (RHT).

Merremia quinquefolia (L.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893. *Ipomoea quinquefolia* L. Sp. Pl. 162. 1753.

An ornamental twining herb, cultivated.

Merremia tridentata (L.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893, subsp. *tridentata*; Gamble, Fl. Pres. Madras 2 : 652. 1957 (repr. ed.). *Convolvulus tridentatus* L. Sp. Pl. 157. 1753. *Ipomoea tridentata* (L.) Roth in Roem. Arch. Bot. 1(2) : 38. 1797; Clarke in Hook. f. Fl. Brit. India 4 : 205. 1883.

A prostrate herb.

Distrib.: All districts.

Merremia tridentata (L.) Hall. f. subsp. *hastata* (Desr.) OOSTSTR. in Blumea 3 : 317. f. 2 o. 1939 & in Steenis, Fl. Males. ser. 1. 4 : 445. 1953. *Convolvulus hastatus* Desr. in Lam. Encycl. 3 : 542. 1789, non Forssk. 1775. *Merremia hastata* (Desr.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893; Gamble, Fl. Pres. Madras 2 : 652. 1957 (repr. ed.). *Ipomoea angustifolia* Clarke in Hook. f. Fl. Brit. India 4 : 205. 1883, non Jacq. 1789.

A twining herb.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Merremia umbellata (L.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893; Gamble, Fl. Pres. Madras 2 : 651. 1957 (repr. ed.). *Convolvulus umbellatus* L. Sp. Pl. 155. 1753. *Ipomoea cymosa* (Desr.) Roem. & Schultes, Syst. 4 : 241. 1819; Clarke in Hook. f. Fl. Brit. India 4 : 211. 1883. *Convolvulus cymosus* Desr. in Lam. Encycl. 3 : 556. 1792.

A climbing herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri; Salem and Tiruchchirappalli (Matthew 1981).

Merremia vitifolia (Burm. f.) Hall. f. in Bot. Jahrb. Syst. 16 : 552. 1893; Gamble, Fl. Pres. Madras 2 : 651. 1957 (repr. ed.). *Convolvulus vitifolius* Burm. f. Fl. Ind.

45. t. 18. f. 1. 1768. *Ipomoea vitifolia* (Burm. f.) Blume, Bijdr. 709. 1826; Clarke in Hook. f. Fl. Brit. India 4 : 213. 1883.

A large twiner.

Distrib.: All districts. E.

Operculina turpethum (L.) Silva Manso, Enum. Subst. Braz. 16 & 49. 1836; Gamble, Fl. Pres. Madras 2 : 653. 1957 (repr. ed.). *Convolvulus turpethum* L. Sp. Pl. 155. 1753. *Ipomoea turpethum* (L.) R. Br. Prodr. 485. 1810; Clarke in Hook. f. Fl. Brit. India 4 : 212. 1883. *Merremia turpethum* (L.) Shah & Bhat in J. Bombay Nat. Hist. Soc. 74 : 567. 1798.

Tamil: *Sivadai*.

A stout climber.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Porana paniculata Roxb. Pl. Cor. t. 235. 1815; Clarke in Hook. f. Fl. Brit. India 4 : 222. 1883; Gamble, Fl. Pres. Madras 2 : 647. 1957 (repr. ed.).

A twining shrub, cultivated in gardens.

Porana racemosa Roxb. Fl. Ind. 2 : 41. 1824. *P. malabarica* Clarke in Hook. f. Fl. Brit. India 4 : 223. 1883; Gamble, Fl. Pres. Madras 2 : 647. 1957 (repr. ed.).

An extensively branched climber.

Distrib.: Coimbatore, Madurai, Nilgiri.

Porana volubilis Burm. f. Fl. Ind. 51. t. 21. f. 1. 1768; Clarke in Hook. f. Fl. Brit. India 4 : 222. 1883; Gamble, Fl. Pres. Madras 2 : 647. 1957 (repr. ed.).

A large twiner, cultivated in gardens. E.

Rivea hypocrateriformis (Desr.) Choisy, Convolv. Orient. 26. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 184. 1883; Gamble, Fl. Pres. Madras 2 : 635. 1957

(repr. ed.). *Convolvulus hypocrateriformis* Desr. in Lam. Encycl. 3 : 561. 1792.

Tamil: *Budhikirai*.

A climbing shrub; flowers open in the evening.

Distrib.: Almost all districts.

Rivea ornata (Roxb.) Choisy, Convolv. Orient. 27. 1834; Wight, Ic. t. 1356. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 183. 1883; Gamble, Fl. Pres. Madras 2 : 635. 1957 (repr. ed.). *Lettsomia ornata* Roxb. Fl. Ind 2 : 85. 1824.

Tamil: *Muchuttai*.

A climbing shrub, in dry forests.

Distrib.: Coimbatore (CAL), Nilgiri; "Deccan and Carnatic" (Gamble 1957). E.

Stictocardia tiliifolia (Desr.) Hall. f. in Bot. Jahrb. Syst. 18 : 159. 1894, "*tiliaefolia*"; Gamble, Fl. Pres. Madras 2 : 635. 1957 (repr. ed.). *Convolvulus tiliaefolius* Desr. in Lam. Encycl. 3 : 544. 1792. *Argyreia tiliaefolia* (Desr.) Wight, Ic. t. 1358. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 184. 1883.

A diffuse climber.

Distrib.: Coimbatore (CAL), Madurai; Salem and Tiruchchirappalli (Matthew 1981).

SOLANACEAE

V. CHITHRA

Browallia americana L. Sp. Pl. 631. 1753; Bailey, Man. Cult. Pl. 351. 1958. *B. demissa* L. Syst. Nat. ed. 10. 1118. 1759; Curtis, Bot. Mag. t. 1136. 1808.

A herb, cultivated in gardens.

Browallia speciosa Hook. in Bot. Mag. t. 4339. 1847.

A herb, cultivated in gardens.

Brugmansia suaveolens (Humb. & Bonpl. ex Willd.) Bercht. & Presl, Prir. Rostl.

1 : 45. 1823; Matthew in Rec. Bot. Surv. India 20 (1) : 167. 1969. *Datura suaveolens* Humb. & Bonpl. ex Willd. Enum. Pl. Hort. Berol. 227. 1809.

An evergreen shrub or small tree, occasionally grown in gardens. E.

Brunfelsia undulata Sw. Prodr. 90. 1788.

An evergreen shrub or small tree, cultivated in hill stations.

Capsicum annum L. Sp. Pl. 188. 1753; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.). *C. frutescens* sensu Clarke in Hook. f. Fl. Brit. India 4 : 239. 1883, non L. 1753.

Tamil: *Usimilagai*.

A herb; several cultivated varieties are recognised. E.

Capsicum frutescens L. Sp. Pl. 189. 1753; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.). *C. fastigiatum* Blume, Bijdr. 705. 1826; Wight, Ic. t. 1617. 1850. *C. minimum* Clarke in Hook. f. Fl. Brit. India 4 : 239. 1883 p.p.

Tamil: *Milagai*.

A herb, extensively cultivated, sometimes found as an escape. E.

Cestrum aurantiacum Lindl. in Edward's Bot. Reg. 30 : 71. n. 65. 1844; Matthew in Rec. Bot. Surv. India 20(1) : 166. 1969.

An erect evergreen bushy shrub, sometimes cultivated as an ornamental. E.

Cestrum corymbosum Schlecht. in Linnaea 7 : 57. 1832.

A shrub, often cultivated in gardens.

Cestrum diurnum L. Sp. Pl. 191. 1753; Bor & Raiz. Beautif. Ind. Climbers Shrubs 118. 1954.

A shrub or small tree, frequently cultivated in gardens. E.

Cestrum elegans Schlecht. in Linnaea 19 : 261. 1847; Matthew in Rec. Bot. Surv. India 20(1) : 164. 1969.

A branched, evergreen, somewhat scandent shrub; cultivated in hills, sometimes runs wild. E.

Cestrum fasciculatum Miers in London J. Bot. 5 : 151. 1846; Matthew in Rec. Bot. Surv. India 20(1) : 165. 1969.

An evergreen shrub, cultivated in gardens.

Cestrum nocturnum L. Sp. Pl. 191. 1753; Matthew in Rec. Bot. Surv. India 20(1) : 166. 1969.

An evergreen shrub, commonly cultivated; sometimes found as an escape. E.

Cestrum parqui L' Herit. Stirp. Nov. 73. t. 36. 1788.

A climbing shrub, often cultivated in gardens. E.

Cyphomandra betacea (Cav.) Sendtner in Flora 28 : 172. t. 6. ff. 1-6. 1845; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.). *Solanum betaceum* Cav. in Anales Hist. Nat. 1 : 44. 1799 & Ic. 6 : t. 524. 1801.

Tamil: *Maraththakkali*.

A small tree, cultivated in hill stations; the tree tomato. E.

Datura arborea L. Sp. Pl. 179. 1753; Fyson, Fl. South Indian Hill St. 2 : t. 363. 1932; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.).

A large shrub with beautiful white flowers; cultivated in hill stations and sometimes found as an escape. E.

Datura cornigera Hook. in Bot. Mag. t. 4252. 1846.

A shrub, cultivated in gardens.

Datura innoxia Mill. Gard. Dict. ed. 8. n. 5. 1768. *D. metel* auct. non L. 1753; Sims in Bot. Mag. t. 1440. 1812; Clarke in Hook. f. Fl. Brit. India 4 : 243. 1883; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.).

A coarse densely pubescent herb; common in waste places.

Distrib.: Almost all districts. E.

Datura metel L. Sp. Pl. 179. 1753. *D. fastuosa* L. Syst. Nat. ed. 10. 932. 1759; Wight, Ic. t. 1396. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 242. 1883; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.). *D. fastuosa* L. var. *alba* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 243. 1883; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.). *D. alba* Nees in Trans. Linn. Soc. London 17 : 73. 1837.

A branched herb or undershrub, in waste places; occasionally grown in gardens.

Distrib.: Almost all districts. E.

Datura quercifolia H.B.K. Nov. Gen. Sp. 3 : 7. 1818.

A small herb, introduced.

Datura sanguinea Ruiz & Pavon, Fl. Per. 2 : 15. 1799; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.).

A large shrub, often cultivated. E.

Datura stramonium L. Sp. Pl. 179. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 242. 1883; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.).

Tamil: *Simaiyumattai*.

An erect branched herb or undershrub; common in wastelands.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, Tiruchchirappalli (RHT). E.

Iochroma coccinea Scheid. in Fl. Serres Jard. Eur. ser. 2. 2 : 151. t. 1261. 1857.

A shrub or small tree, cultivated in gardens.

Lycianthes laevis (Dunal) Bitter in Abh. Nat. Ver. Bremen 24 : 484. 1920, subsp. *laevis*. *Solanum laeve* Dunal, Solan. Synop. 22. 1816; Clarke in Hook. f. Fl. Brit. India 4 : 231. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.).

A straggling undershrub.

Distrib.: Coimbatore; Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Ramanathapuram, Tirunelveli.

Lycianthes laevis (Dunal) Bitter subsp. *kaitisis* (Dunal) Deb in Bot. J. Linn. Soc. 71 : 294. 1978. *Solanum kaitisi* Dunal in DC. Prodr. 13(1) : 157. 1852. *S. denticulatum* auct. non Blume 1826; Wight, Ic. t. 1397. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 231. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.).

A rigid shrub, in moist places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Lycianthes laevis (Dunal) Bitter subsp. *kaitisis* (Dunal) Deb var. *gouakai* (Dunal) Deb in Bot. J. Linn. Soc. 71 : 294. 1978. *Solanum gouakai* Dunal in DC. Prodr. 13(1) : 177. 1852. *S. denticulatum* var. *gouakai* (Dunal) Clarke in Hook. f. Fl. Brit. India 4 : 232. 1883.

A shrub, leaves with prominent angular lobes, in moist places.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli, Tirunelveli.

Lycopersicon esculentum Mill. Gard. Dict. ed. 8. n. 2. 1768; Clarke in Hook. f. Fl. Brit. India 4 : 237. 1883; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.); Terrell in Taxon 26 : 129. 1977. *Lycopersicon lycopersicum* (L.) Karsten, Deutsch.

Fl. 966. 1885, nom. illeg. *Solanum lycopersicum* L. Sp. Pl. 185. 1753.

A rambling, strongly aromatic, glandular hairy annual, extensively cultivated; the tomato. E.

Nicandra physalodes (L.) Gaertn. Fruct. 2 : 237. t. 131. f. 2. 1791, "*physaloides*"; Clarke in Hook. f. Fl. Brit. India 4 : 240. 1883; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.). *Atropa physaloides* L. Sp. Pl. 181. 1753.

An erect herb with blue flowers; sometimes cultivated. E.

Nicotiana alata Link & Otto, Ic. Pl. Rar. Hort. Berol. 1 : 63. t. 32. 1828.

A glandular-hairy herb, cultivated in gardens of hill stations.

Nicotiana glauca Graham in Edinburgh New Philos. J. 5 : 175. 1828.

A glabrous shrub, cultivated. B.

Nicotiana plumbaginifolia Viv. Elench. Pl. Hort. Bot. 26. t. 5. 1802; Clarke in Hook. f. Fl. Brit. India 4 : 246. 1883.

An erect scabridly hairy herb, in waste places, roadsides and gardens, introduced. E.

Nicotiana tabacum L. Sp. Pl. 180. 1753; Wight, Ill. 2 : t. 166. bis. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 245. 1883; Gamble, Fl. Pres. Madras 2 : 661. 1957 (repr. ed.).

Tamil: *Puhaiyilai*.

An erect, viscid, much-branched herb, cultivated; the tobacco. E.

Nierembergia gracilis Hook. in Bot. Mag. t. 3108. 1831.

A tall herb, cultivated.

Petunia axillaris (Lam.) Britton, Stern & Pogg. Prelim. Cat. 38. 1888. *Nicotiana axillaris* Lam. Tabl. Encycl. 2 : 7. 1794.

A large herb, cultivated in gardens. E.

Physalis angulata L. Sp. Pl. 183. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 238. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

A herb, cultivated.

Physalis ixocarpa Brot. ex Hornem. Hort. Hafn. Suppl. 26. 1819; Venkatratnam in Indian Hort. 1 : 6. 1956.

An erect branched annual, cultivated. E.

Physalis minima L. Sp. Pl. 183. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 238. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.). *P. minima* L. var. *indica* Clarke in Hook. f. Fl. Brit. India 4 : 238. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.). *P. pubescens* sensu Wight, Ill. 2 : t. 166 B. f. 6. 1850, non L. 1753.

Tamil: *Sodakku thakkaali*.

A common weed along roadsides and waste places.

Distrib.: Almost all districts. E.

Physalis peruviana L. Sp. Pl. ed. 2. 2 : 1670. 1763; Clarke in Hook. f. Fl. Brit. India 4 : 238. 1883; Fyson, Fl. South Indian Hill St. 2 : t. 361. 1932; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

Tamil: *Pottipallam, Perungunni*.

An erect or rambling perennial herb, flowers yellow with deep purple spot on the throat of corolla.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Salem, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Schizanthus wisetonensis Hort. in Gard. Chron. sci. 3. 27 (Suppl.) : 2. 1900.

A herb, cultivated.

Solanandra grandiflora Sw. in Kongl. Vetensk. Acad. Nya Handl. 8 : 300. t. 11. 1787.

A scandent shrub, occasionally grown as an ornamental in hill stations. E.

Solanum aculeatissimum Jacq. Ic. Pl. Rar. 1 : t. 41. 1781 & Coll. Bot. 1 : 100. 1787; Clarke in Hook. f. Fl. Brit. India 4 : 237. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

A very spiny shrub.

Distrib.: "Tamil Nadu" (Deb 1980). E.

Solanum anguivi Lam. Tabl. Encycl. 2 : 23. 1794, var. *anguivi*; Hepper in Bot. J. Linn. Soc. 76 : 290. 1978; Brummitt in Taxon 32 : 279. 1983. *S. indicum* auct. non L. 1753; Wight, Ic. t. 346. 1840; Clarke in Hook. f. Fl. Brit. India 4 : 234. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.).

Tamil: *Mulli, Pappara-mulli, Karimulli*.

A deciduous prickly undershrub.

Distrib.: Almost all districts.

Solanum anguivi Lam. var. *multiflora* (Roth ex Roem. & Schultes) Chithra comb. nov. *S. multiflorum* Roth ex Roem. & Schultes, Syst. 4 : 669. 1819. *S. indicum* var. *multiflora* (Roth ex Roem. & Schultes) Clarke in Hook. f. Fl. Brit. India 4 : 235. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.). *S. ferox* L. var. *minus* Wight, Ic. t. 1400. 1848.

A large prickly herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Solanum barbisetum Nees in Trans. Linn. Soc. London 17 : 51. 1837; Clarke in Hook. f. Fl. Brit. India 4 : 233. 1883. *S. robustum* Wendl. in Flora 27 : 784. 1844; Fyson, Fl. South Indian Hill St. 2 : t. 360. 1932; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

A shrub, leaf bases forming a wing to the stem in young stages, introduced.

Solanum capsicastrum Link & Schau. in Otto & Dietr. Allg. Gartenzeitung 1 : 228. 1833.

A shrub in open areas of sholas, often cultivated.

Solanum capsicoides Mart. in Flora 21 : 2. Beibl. 1 : 78. 1838.

A tall erect herb or undershrub, introduced. E.

Solanum clavatum Rusby in Mem. Torrey Bot. Club 6 : 87. 1897.

Cultivated in gardens in hill stations.

Solanum convolvulus Sendtner in Endlicher & Mart. Fl. Bras. 6 : 48. 1846.

Cultivated as a hedge plant in gardens and hill stations.

Solanum dulcamara L. Sp. Pl. 185. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 229. 1883.

A shrubby climber, cultivated. E.

Solanum elaeagnifolium Cav. Ic. 3 : 22. t. 243. 1795; R. R. Rao & Razi in Curr. Sci. 43 : 734. 1974.

A perennial herb or dwarf shrub.

Distrib.: Coimbatore. E.

Solanum erianthum D. Don, Prodr. Fl. Nep. 96. 1825; Roe in Taxon 17: 176. 1968. *S. verbascifolium* auct. non L. 1753; Wight, Ic. t. 1398. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 230. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.).

Tamil: *Malaichundai, Aamai Sundaikkai*.

A large shrub or small tree.

Distrib.: Almost all districts. E.

Solanum giganteum Jacq. Coll. Bot. 4 : 125. 1791; Wight, Ic. t. 893. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 233. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.).

Tamil: *Putharichunda*, *Saambal kilurai*.

A large shrub or small tree with dense white stellate tomentum all over the plant except the upper surface of leaves.

Distrib.: Almost all districts. E.

Solanum grandiflorum Ruiz & Pavon, Fl. Per. 2 : 35. t. 168. 1799. *S. wightii* Nees in Trans. Linn. Soc. London 17 : 51. 1834; Wight, Ic. t. 841. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 234. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.).

An undershrub with deep violet flowers, on margins of sholas.

Distrib.: Coimbatore (CAL), Nilgiri.

Solanum hispidum Pers. Syn. 1 : 228. 1805; Rao in Bull. Bot. Surv. India 11 : 197. 1969 (1971).

A spreading, prickly, small tree or large shrub.

Distrib.: Salem. E.

Solanum jasminoides Paxt. Mag. Bot. 8 : t. 5. 1841; Matthew in Rec. Bot. Surv. India 20 (1) : 160. 1969.

A slender, twining shrub, occasionally cultivated in gardens. E.

Solanum kurzii Bracc ex Prain in J. Asiat. Soc. Bengal 65 : 541. 1896. *S. pubescens* Willd. var. *lobata* Clarke in Hook. f. Fl. Brit. India 4 : 231. 1883.

A shrub, occasionally cultivated in gardens. E.

Solanum macrophyllum Dunal, Solan. Synop. 187. 1816 & in DC. Prodr. 13 (1) : 347. 1852.

Cultivated.

Solanum marginatum L. f. Suppl. Pl. 147. 1781.

Cultivated in hill stations.

Solanum mauritianum Scop. Delic. Fl. Faun. Insubr. 3 : 16. 1788. *S. auriculatum* Ait. Hort. Kew. ed. 1. 1 : 246. 1789; Fyson, Fl. South Indian Hill St. 2 : t. 356. 1932.

Densely stellate-tomentose shrub.

Distrib.: Nilgiri.

Solanum melongena L. Sp. Pl. 186. 1753, var. *melongena*; Wight, Ill. 2 : t. 166. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 235. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

Tamil: *Kaththiri*.

A perennial or annual herb, cultivated, sometimes found as an escape; the brinjal. E.

Solanum melongena L. var. *insanum* (L.) Prain, Bengal Pl. 746. 1903; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.); Matthew & Rani in Matthew, Fl. Tamil nadu Carnatic 3 : 1061. 1983. *S. insanum* L. Mant. Pl. 46. 1767. *S. coagulans* Forssk. Fl. Aeg.-Arab. 47. 1775; Clarke in Hook. f. Fl. Brit. India 4 : 236. 1883.

An armed subshrub.

Distrib.: Almost all districts. E.

Solanum nigrum L. Sp. Pl. 186. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 229. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.). *S. rubrum* Mill. Gard. Dict. ed. 8. n. 4. 1768, non L. 1767; Wight, Ic. t. 344. 1840.

Tamil: *Manatakkali*.

An erect annual herb, often cultivated.

Distrib.: All districts. E.

Solanum pseudo-capsicum L. Sp. Pl. 184. 1753; Matthew in Rec. Bot. Surv. India 20 (1) : 162. 1969.

An erect evergreen shrub, cultivated. E.

Solanum pubescens Willd. Phytogr. 5. t. 3. 1794; Wight, Ic. t. 1402. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 230. 1883; Gamble, Fl. Pres. Madras 2 : 657. 1957 (repr. ed.).

A small or large shrub, in open scrub forests.

Distrib.: Almost all districts. E.

Solanum seafortianum Andr. Bot. Repos. 8 : t. 504. 1808; Bor & Raiz. Beautif. Ind. Climbers Shrubs 127. 1954.

A pretty, scandent shrub with violet flowers in panicles; cultivated in gardens and sometimes found as an escape. E.

Solanum sisymbriifolium Lam. Tabl. Encycl. 2 : 25. 1792; Fyson, Fl. South Indian Hill St. 2 : t. 359. 1932; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.).

An evergreen viscid undershrub.

Distrib.: Coimbatore (CAL), Madurai (CAL), Nilgiri. E.

Solanum stramonifolium Jacq. Misc. 2 : 298. 1781, "*stramonifolium*". *S. ferox* auct. non L. 1762; Clarke in Hook. f. Fl. Brit. India 4 : 233. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.).

A stout, sub-erect, prickly herb.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli; "W. Ghats in most Districts" (Gamble 1957).

Solanum surattense Burm. f. Fl. Ind. 57. 1768. *S. xanthocarpum* Schrader & Wendl. Sert. Hannov. 1 : 8. t. 2. 1795; Clarke in Hook. f. Fl. Brit. India 4 : 236. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.). *S. jacquinii* Willd. Sp. Pl. 1 : 1041. 1798; Wight, Ic. t. 1401. 1848.

Tamil: *Kandangattiri*.

A very prickly diffuse herb or undershrub.

Distrib.: Almost all districts. E.

Solanum torvum Sw. Prodr. 47. 1788; Wight, Ic. t. 345. 1840; Clarke in Hook. f. Fl. Brit. India 4 : 234. 1883; Gamble, Fl. Pres. Madras 2 : 658. 1957 (repr. ed.).

Tamil: *Sundaikai*.

A large shrub, often cultivated. E.

Solanum trilobatum L. Sp. Pl. 188. 1753; Wight, Ic. t. 854. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 236. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

Tamil: *Tuduvalai*.

A very prickly, trailing or climbing undershrub.

Distrib.: Almost all districts. E.

Solanum tuberosum L. Sp. Pl. 185. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 229. 1883; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.).

Tamil: *Uralakilangu*.

A sparsely pubescent herb, largely cultivated in hills; the potato. E.

Solanum vagum Heyne ex Nees in Trans. Linn. Soc. London 17: 48. 1834; Clarke in Hook. f. Fl. Brit. India 4: 230. 1883; Gamble, Fl. Pres. Madras 2: 657. 1957 (repr. ed.).

A glabrescent undershrub or shrub.

Distrib.: Ramanathapuram, Tirunelveli. O.

Solanum viarum Dunal in DC. Prodr. 13(1) : 240. 1852; Babu & Hepper in Kew Bull. 34: 409. 1979. *S. khasianum* Clarke var. *chatterjeeanum* Sengupta in Bull. Bot. Surv. India 3: 411. 1961.

A stout thorny undershrub.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem. E.

Solanum wendlandii Hook. f. in Bot. Mag. t. 6914. 1885; Matthew in Rec. Bot. Surv. India 20(1) : 161. 1969.

An evergreen armed climbing shrub, often cultivated. E.

Solanum wrightii Benth. Fl. Hong. 243. 1861; Gamble, Fl. Pres. Madras 2 : 659. 1957 (repr. ed.); Heine in Kew Bull. 14 : 248. 1960.

A shrub or small tree, introduced. E.

Streptosolon jamesonii (Benth.) Miers in Ann. Mag. Nat. Hist. ser. 2. 5 : 208. 1850; Matthew in Rec. Bot. Surv. India 20(1) : 159. 1969. *Browallia jamesonii* Benth. in DC. Prodr. 10 : 197. 1846.

A dense evergreen shrub, cultivated.

Withania somnifera (L.) Dunal in DC. Prodr. 13(1) : 453. 1852; Clarke in Hook. f. Fl. Brit. India 4 : 239. 1883; Gamble, Fl. Pres. Madras 2 : 660. 1957 (repr. ed.). *Physalis somnifera* L. Sp. Pl. 182. 1753; Wight, Ic. t. 853. 1844. 1845.

Tamil: *Amukkira*, *Amkulang*.

An erect, branched undershrub.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

SCROPHULARIACEAE

A.N. HENRY and V. CHITHRA

Adenosma indianum (Lour.) Merr. in Trans. Amer. Philos. Soc. n.s. 24 : 351. 1935; Cramer in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 3 : 448. 1981. *Manulea indiana* Lour. Fl. Cochinch. 2 : 386. 1790. *Adenosma capitatum* (Benth.) Hance in J. Linn. Soc. Bot. 13 : 114. 1873; Hook. f. Fl. Brit. India 4 : 264. 1884. *Stemodia capitata* Benth. in Edward's Bot. Reg. 17 : sub t. 1470. 1832.

An erect herb, in rice fields; flowers blue.

Distrib.: Tirunelveli. R.

Angelonia biflora Benth. in DC. Prodr. 10 : 254. 1846.

A herb, cultivated.

Antirrhinum orontium L. Sp. Pl. 617. 1753; Hook. f. Fl. Brit. India 4 : 253. 1883; Gamble, Fl. Pres. Madras 2 : 684. 1957 (repr. ed.).

A glandular-hairy herb; common in grassy localities, gardens and roadsides in hills.

Artanema longifolia (L.) Vatke in Linnaea 43 : 207. 1882. *Columnnea longifolia* L. Mant. Pl. 90. 1767. *Artanema sesamoides* (Vahl) Benth. Scroph. Ind. 39. 1835; Wight, Ic. t. 1410. 1849; Hook. f. Fl. Brit. India 4 : 274. 1884; Gamble, Fl. Pres. Madras 2 : 670. 1957 (repr. ed.). *Achimenes sesamoides* Vahl, Symb. Bot. 2 : 71. 1791.

A stout, erect herb or undershrub.

Distrib.: Kanniyakumari (UCT), Madurai, Nilgiri. E.

Bacopa floribunda (R. Br.) Wettst. in Engler & Prantl, Pflanzenf. 4(3b) : 77. 1891. *Herpestis floribunda* R. Br. Prodr. 442. 1810; Hook. f. Fl. Brit. India 4 : 273. 1884. *Monniera floribunda* (R. Br.) Kuntze, Rev. Gen. Pl. 2 : 463. 1891; Gamble, Fl. Pres. Madras 2 : 669. 1957 (repr. ed.).

An erect slender herb.

Distrib.: Chengalpattu, Salem.

Bacopa hamiltoniana (Benth.) Wettst. in Engler & Prantl, Pflanzenf. 4(3b): 77. 1891. *Herpestis hamiltoniana* Benth. Scroph. Ind. 30. 1835; Hook. f. Fl. Brit. India 4 : 272. 1884. *Monniera hamiltoniana* (Benth.) Cooke, Fl. Pres. Bombay 2 : 286.

1905; Gamble, Fl. Pres. Madras 2 : 669. 1957 (repr. ed.).

An erect herb, in wet places.

Distrib.: Nilgiri (FRC).

Bacopa monnieri (L.) Pennell in Proc. Acad. Nat. Sci. Philad. 98 : 94. 1946; Philcox in Kew Bull. 33 : 679. 1979. *Lysimachia monnieri* L. Cent. Pl. 2 : 9. 1756. *Moniera cuneifolia* Michaux, Fl. Bor.-Amer. 2 : 22. 1803, "monniera"; Gamble, Fl. Pres. Madras 2 : 669. 1957 (repr. ed.). *Herpestis monnieri* (L.) H.B.K. Nov. Gen. Sp. 2 : 366. 1818, nom. illeg.; Hook. f. Fl. Brit. India 4 : 272. 1884. *Gratiola monnieri* (L.) L. Syst. Nat. ed. 10. 851. 1759, "monniera"; Roxb. Pl. Cor. t. 178. 1805.

Tamil: *Nirbrahmi*.

A succulent creeping herb, in wet places.

Distrib.: Almost all districts. E.

Buchnera hispida Buch. Ham. ex D. Don, Prodr. Fl. Nep. 91. 1825; Wight, Ic. t. 1413. 1849; Hook. f. Fl. Brit. India 4 : 298. 1884; Gamble, Fl. Pres. Madras 2 : 679. 1957 (repr. ed.).

An erect hispid herb, in grassy places.

Distrib.: Coimbatore (FRC), Nilgiri; "most forest districts" (Gamble 1957).

Calceolaria gracilis Kunth in H.B.K. Nov. Gen. Sp. 2 : 339. 1818. *C. mexicana* Benth. Pl. Hartw. 47. 1839; Hook. f. Fl. Brit. India 4 : 246. 1883; Fyson, Fl. South Indian Hill St. 2 : t. 365. 1932; Gamble, Fl. Pres. Madras 2 : 684. 1957 (repr. ed.).

An erect glandular-hairy herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Celsia arcturus Jacq. Hort. Bot. Vindob. 2 : 53. t. 117. 1772-1773.

A herb, cultivated.

Centranthera indica (L.) Gamble, Fl. Pres. Madras 971. 1924 & 2 : 683. 1957 (repr. ed.); Cramer in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 3 : 396. 1981. *Rhinanthus indica* L. Sp. Pl. 603. 1753. *Centranthera hispida* R. Br. Prodr. 438. 1810; Hook. f. Fl. Brit. India 4 : 301. 1884; Gamble, Fl. Pres. Madras 2 : 683. 1957 (repr. ed.). *C. procumbens* Benth. in DC. Prodr. 10 : 525. 1846; Hook. f. Fl. Brit. India 4 : 301. 1884; Trimen, Handb. Fl. Ceylon t. 68. 1895.

An erect herb, in wet places and rice fields.

Distrib.: Nilgiri. E.

Centranthera tranquebarica (Spreng.) Merr. in 150th Anniv. Vol. Ann. Roy. Bot. Gard. (Calcutta) 57. 1942. *Razumovia tranquebarica* Spreng. Mant. Fl. Hal. 45. 1807 & Syst. Veg. 2 : 812. 1825. *Centranthera humifusa* Wall. ex Benth. Scroph. Ind. 50. 1835 & in DC. Prodr. 10 : 525. 1846; Hook. f. Fl. Brit. India 4 : 301. 1884; Gamble, Fl. Pres. Madras 2 : 683. 1957 (repr. ed.).

A small diffuse erect or prostrate herb, in wet places.

Distrib.: Chengalpattu, Pudukkottai (Matthew 1970), Ramanathapuram, Tiruchchirappalli (RHT).

Cymbalaria muralis Gaertn. in Mey. & Scherb. Oekon. Fl. Wetterau 2 : 397. 1799-1802. *Antirrhinum cymbalaria* L. Sp. Pl. 612. 1753.

A slender trailing perennial herb; introduced. E.

Digitalis purpurea L. Sp. Pl. 621. 1753 incl. vars.; Gamble, Fl. Pres. Madras 2 : 684. 1957 (repr. ed.).

An erect herb, cultivated in hill-stations and runs wild. The Foxglove. E.

Dopatrium junceum (Roxb.) Buch.-Ham. ex Benth. Scroph. Ind. 31. 1835; Hook. f.

Fl. Brit. India 4 : 274. 1884; Gamble, Fl. Pres. Madras 2 : 670. 1957 (repr. ed.). *Gratiola juncea* Roxb. Pl. Cor. t. 129. 1800.

An erect slender, fleshy herb, in wet places, ponds and rice fields.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, South Arcot, Tiruchchirappalli, Tirunelveli; "all plains districts" (Gamble 1957).

***Dopatrium lobelioides* (Retz.) Benth.** Scroph. Ind. 31. 1835; Wight, Ic. t. 859. 1844 - 1845; Hook. f. Fl. Brit. India 4 : 274. 1884; Gamble, Fl. Pres. Madras 2 : 670. 1957 (repr. ed.). *Gratiola lobelioides* Retz. Obs. Bot. 4 : 7. 1786.

A tall slender fleshy herb, in tanks and wet places.

Distrib.: Chengalpattu, Madurai, Pudukkottai (RHT), South Arcot, Thanjavur, Tiruchchirappalli (RHT).

***Dopatrium nudicaule* (Willd.) Benth.** Scroph. Ind. 31. 1835; Hook. f. Fl. Brit. India 4 : 274. 1884; Gamble, Fl. Pres. Madras 2 : 669. 1957 (repr. ed.). *Gratiola nudicaulis* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 193. 1803.

A slender erect herb.

Distrib.: Chengalpattu, Coimbatore (FRC), Pudukkottai (RHT), Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

***Glossostigma diandrum* (L.) Kuntze.** Rev. Gen. Pl. 2 : 461. 1891. *Limosella diandra* L. Mant. Pl. 252. 1771. *Glossostigma spathulatum* (Hook.) Wight & Arn. ex Arn. in Nov. Actorum Acad. Caes. Leop. - Carol. Nat. Cur. 18 : 355. 1836; Hook. f. Fl. Brit. India 4 : 288. 1884; Gamble, Fl. Pres. Madras 2 : 677. 1957 (repr. ed.). *Microcarpaea spathulata* Hook. Bot. Misc. 2 : 101. Suppl. t. 4. 1831.

A minute tufted herb, on margins of tanks and other wet places.

Distrib.: Chengalpattu, Madurai, Ramanathapuram, South Arcot, Tiruchchirappalli.

***Hebe andersonii* Cockayne** in Trans. & Proc. New Zealand Inst. 60 : 468. 1929.

An evergreen shrub, cultivated in gardens.

***Kickxia ramosissima* (Wall.) Janchen** in Oesterr. Bot. Z. 82 : 152. 1933. *Linaria ramosissima* Wall. Pl. Asiat. Rar. 2 : 43. t. 153. 1831; Wight, Ill. 2 : t. 165. 1850; Hook. f. Fl. Brit. India 4 : 251. 1883; Gamble, Fl. Pres. Madras 2 : 663. 1957 (repr. ed.).

A glabrous or slightly pubescent prostrate perennial herb, on walls and rocks and in stony places.

Distrib.: Coimbatore. E.

***Limnophila aromatica* (Lam.) Merr.** Interpr. Rumph. Herb. Amboin. 466. 1917. *Ambulia aromatica* Lam. Encycl. 1 : 128. 1783. *Limnophila gratissima* Blume, Bijdr. 749. 1826; Hook. f. Fl. Brit. India 4 : 268. 1884; Gamble, Fl. Pres. Madras 2 : 667. 1957 (repr. ed.).

A tall stout aromatic herb, in wet places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Pudukkottai (Matthew 1970), Tiruchchirappalli (RHT), Tirunelveli. E.

***Limnophila chinensis* (Osbeck) Merr.** in Amer. J. Bot. 3 : 581. 1916. *Columnnea chinensis* Osbeck, Dagbok Ostind. Resa 230. 1757. *Limnophila hirsuta* (Heyne ex Benth.) Benth. in DC. Prodr. 10 : 388. 1846; Hook. f. Fl. Brit. India 4 : 268. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.). *Stemodia hirsuta* Heyne ex Benth. in Edward's Bot. Reg. 17 : sub t. 1470. sp. 15. 1832.

A tall, hirsute herb in wet places.

Distrib.: Coimbatore, Salem.

Limnophila connata (Buch. - Ham. ex D. Don) Handb. Mazz. Symb. Sin. 7 : 837. 1936. *Cybbanthera connata* Buch. Ham. ex D. Don, Prodr. Fl. Nep. 87. 1825. *Limnophila hypericifolia* (Benth.) Benth. in DC. Prodr. 10 : 386. 1846; Wight, Ic. t. 1409. 1849; Hook. f. Fl. Brit. India 4 : 269. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.). *Stemodia hypericifolia* Benth. in Edward's Bot. Reg. 17 : sub t. 1470. sp. 6. 1832.

A tall herb, in wet places.

Distrib.: Madurai, Nilgiri.

Limnophila heterophylla (Roxb.) Benth. Scroph. Ind. 25. 1835; Hook. f. Fl. Brit. India 4 : 270. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.). *Columnnea heterophylla* Roxb. Fl. Ind. 3 : 97. 1832.

A tall erect herb, in rice fields and wet places.

Distrib.: Tiruchchirappalli (RHT), Tirunelveli.

Limnophila indica (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3 : 420. 1914; Saldanha in Saldanha & Nicolson, Fl. Hassan Dist. 520. 1976. *Hottonia indica* L. Syst. Nat. ed. 10. 919. 1759. *Limnophila gratioloides* R. Br. Prodr. 442. 1810; Hook. f. Fl. Brit. India 4 : 271. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.). *L. racemosa* Benth. Scroph. Ind. 26. 1835; Wight, Ic. t. 861. 1844 - 1845; Hook. f. Fl. Brit. India 4 : 271. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.).

A short erect diffusely branched herb, in pools, swamps and rice fields.

Distrib.: Almost all districts. E.

Limnophila polystachya Benth. Scroph. Ind. 26. 1835; Wight, Ic. t. 860. 1843; Hook. f. Fl. Brit. India 4 : 269. 1884; Gamble, Fl. Pres. Madras 2 : 668. 1957 (repr. ed.); Philcox in Kew Bull. 24 : 131. 1970.

A herb, in rice fields and wet places.

Distrib.: Chengalpattu, Nilgiri, South Arcot, Thanjavur, Tiruchchirappalli.

Limnophila repens (Benth.) Benth. in DC. Prodr. 10 : 387. 1846; Philcox in Kew Bull. 24 : 154. 1970. *Stemodia repens* Benth. in Edward's Bot. Reg. 17 : sub t. 1470. sp. 11. 1832. *Limnophila conferta* Benth. in DC. Prodr. 10 : 387. 1846; Hook. f. Fl. Brit. India 4 : 266. 1884; Gamble, Fl. Pres. Madras 2 : 667. 1957 (repr. ed.).

A very variable aquatic herb, in wet places.

Distrib.: Coimbatore (CAL).

Limnophila rugosa (Roth) Merr. Interpr. Herb. Rumph. Amboin. 466. 1917; Philcox in Kew Bull. 24 : 135. 1970. *Herpestis rugosa* Roth, Nov. Pl. Sp. 290. 1821. *Limnophila roxburghii* auct. non G. Don 1837 - 1838; Hook. f. Fl. Brit. India 4 : 265. 1884; Gamble, Fl. Pres. Madras 2 : 667. 1957 (repr. ed.).

A puberulous, prostrate herb.

Distrib.: Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Lindenbergia indica (L.) Kuntze, Rev. Gen. Pl. 2 : 462. 1891; Sant. in J. Bombay Nat. Hist. Soc. 49:45. 1950. *Dodartia indica* L. Sp. Pl. 633. 1753. *Lindenbergia urticifolia* Lehm. in Link & Otto, Ic. Pl. Rar. Hort. Berol. 95. t. 31. 1828, "*urticaefolia*"; Hook. f. Fl. Brit. India 4 : 262. 1884; Gamble, Fl. Pres. Madras 2 : 665. 1957 (repr. ed.).

A densely glandular herb.

Distrib.: Salem (Gamble 1957). E.

****Lindernia anagallis*** (Burm. f.) Pennell in J. Arnold Arbor. 24 : 252. 1943. *Ruellia anagallis* Burm. f. Fl. Ind. 135.

*The genus *Lindernia* All. as treated here includes *Vandellia* L., *Bonnaya* Link & Otto and *Ilysanthes* Rafin.

1768. *Vandellia pedunculata* Benth. Scroph. Ind. 37. 1835; Hook. f. Fl. Brit. India 4 : 282. 1884; Gamble, Fl. Pres. Madras 2 : 673. 1957 (repr. ed.).

A creeping herb, in rice fields and other wet places.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Lindernia antipoda (L.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 214. 1931. *Ruellia antipoda* L. Sp. Pl. 635. 1753. *Bonnaya veronicifolia* (Retz.) Spreng. Syst. Veg. 1 : 41. 1824; Hook. f. Fl. Brit. India 4 : 285. 1884 incl. var. *verbenaeifolia*. *Gratiola veronicifolia* Retz. Obs. Bot. 4:8. 1786. *Ilysanthes veronicifolia* (Retz.) Urban in Ber. Deutsch. Bot. Ges. 2 : 436. 1884, "*veronicaefolia*"; Gamble, Fl. Pres. Madras 2 : 675. 1957 (repr. ed.). *Bonnaya verbenifolia* (Colsm.) Spreng. Syst. Veg. 1 : 42. 1824; Wight, Ic. t. 1412. 1849. *Gratiola verbenifolia* Colsm. Prodr. Desc. Gratiol. 8. 1793.

Tamil : *Thannippoondu*.

A herb in swampy places.

Distrib.: All districts.

Lindernia caespitosa (Blume) Panigrahi in Taxon 33 : 320. 1984. *Diceros caespitosus* Blume, Bijdr. 753. 1826. *Vandellia scabra* Benth. Scroph. Ind. 36. 1835; Hook. f. Fl. Brit. India 4 : 281. 1884 incl. var.; Gamble, Fl. Pres. Madras 2 : 673. 1957 (repr. ed.). *Lindernia pusilla* (Thunb.) Merr. in Philipp. J. Sci. 11 : 312. 1916 (1917); Philcox in Kew Bull. 22 : 41. 1968. *Selago pusilla* Thunb. Prodr. Pl. Cap. 99. 1800.

A diffuse herb, in rice fields.

Distrib.: Almost all districts.

Lindernia ciliata (Colsm.) Pennell in Brittonia 2 : 182. 1936. *Gratiola ciliata* Colsm. Prodr. Desc. Gratiol. 14. 1793. *Bonnaya brachiata* Link & Otto, Ic. Pl.

Select. 25. t. 11. 1820; Hook. f. Fl. Brit. India 4 : 284. 1884. *Ilysanthes serrata* (Roxb.) Urban in Ber. Deutsch. Bot. Ges. 2 : 436. 1884; Gamble, Fl. Pres. Madras 2 : 675. 1957 (repr. ed.). *Gratiola serrata* Roxb. Fl. Ind. 1 : 140. 1820.

A stiff erect herb, in wet places.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai (RHT), South Arcot, Tiruchchirappalli (RHT), Tirunelveli; "all plains districts" (Gamble 1957).

Lindernia crustacea (L.) F. v. Muell. Syst. Census Austral. Pl. 97. 1887. *Capraria crustacea* L. Mant. Pl. 87. 1767. *Vandellia crustacea* (L.) Benth. Scroph. Ind. 35. 1835; Wight, Ic. t. 863. 1845; Hook. f. Fl. Brit. India 4 : 279. 1884; Gamble, Fl. Pres. Madras 2 : 673. 1957 (repr. ed.).

A glabrous or pubescent annual herb, in wet places or rice fields, often in gardens.

Distrib.: "All plains districts" (Gamble 1957). E.

Lindernia hyssopioides (L.) Haines, Bot. Bihar Orissa 635. 1922. *Gratiola hyssopioides* L. Mant. Pl. 174. 1771. *Ilysanthes hyssopioides* (L.) Benth. in DC. Prodr. 10 : 419. 1846; Hook. f. Fl. Brit. India 4 : 283. 1884; Gamble, Fl. Pres. Madras 2 : 675. 1957 (repr. ed.).

A straggling slender herb, in wet places.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Ramana-thapuram, Salem, Tiruchchirappalli; "most districts" (Gamble 1957).

Lindernia minima (Benth.) Mukerjee in J. Indian Bot. Soc. 24 : 132. 1945. *Ilysanthes minima* Benth. in DC. Prodr. 10 : 420. 1846; Hook. f. Fl. Brit. India 4 : 284. 1884; Gamble, Fl. Pres. Madras 2 : 675. 1957 (repr. ed.).

A minute erect herb, in rice fields.

Distrib.: Chengalpattu and Tirunelveli (Gamble 1957). R.

Lindernia nummulariifolia (D. Don) Wettst. in Engler & Prantl, *Pflanzenf.* 4 (3b) : 79. 1891, "*nummularifolia*"; Saldanha in Saldanha & Nicolson, *Fl. Hassan Dist.* 522. 1976. *Vandellia nummulariifolia* D. Don, *Prodr. Fl. Nep.* 86. 1825, "*nummularifolia*"; Hook. f. *Fl. Brit. India* 4 : 282. 1884; Gamble, *Fl. Pres. Madras* 2 : 673. 1957 (repr. ed.). *V. sessiliflora* Benth. *Scroph. Ind.* 37. 1835; Hook. f. *Fl. Brit. India* 4 : 282. 1884; Gamble, *Fl. Pres. Madras* 2 : 673. 1957 (repr. ed.), "*sessilifolia*".

A small herb.

Distrib.: Coimbatore (FRC), Madurai (Gamble 1957), Nilgiri.

Lindernia oppositifolia (Retz.) Mukerjee in *J. Indian Bot. Soc.* 24 : 134. 1945. *Gratiola oppositifolia* Retz. *Obs. Bot.* 4 : 8. 1786; Roxb. *Pl. Cor.* t. 155. 1802. *Bonnaya oppositifolia* (Retz.) Spreng. *Syst. Veg.* 1 : 41. 1825; Hook. f. *Fl. Brit. India* 4 : 286. 1884. *Ilysanthes oppositifolia* (Retz.) Urban in *Ber. Deutsch. Bot. Ges.* 2 : 435. 1884; Gamble, *Fl. Pres. Madras* 2 : 676. 1957 (repr. ed.).

A small erect branched herb, in wet places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Pudukkottai (RHT), Ramanathapuram, South Arcot, Tiruchchirappalli (RHT); "Deccan and Carnatic" (Gamble 1957). E.

Lindernia parviflora (Roxb.) Haines, *Bot. Bihar Orissa* 635. 1922. *Gratiola parviflora* Roxb. *Pl. Cor.* t. 203. 1811. *Ilysanthes parviflora* (Roxb.) Benth. *Scroph. Ind.* 34. 1835 & in DC. *Prodr.* 10 : 419. 1846; Hook. f. *Fl. Brit. India* 4 : 283. 1884; Gamble, *Fl. Pres. Madras* 2 : 675. 1957 (repr. ed.). *Bonnaya hyssopioides* sensu Wight, *Ic.* t. 857. 1844 - 1845, non Benth. 1835.

An erect branched herb, in wet places.

Distrib.: Coimbatore (Fischer 1921); "Most districts in the plains" (Gamble 1957).

Lindernia procumbens (Krock.) Philcox in *Taxon* 14 : 30. 1965 & *Kew Bull.* 22 : 29. 1968. *Anagalloides procumbens* Krock. *Fl. Siles* 2 (1) : 398. t. 26. 1790. *Vandellia erecta* Benth. *Scroph. Ind.* 36. 1835 p.p.; Hook. f. *Fl. Brit. India* 4 : 281. 1884. *V. pyxidaria* (L.) Maxim. in *Bull. Acad. Imp. Sci. Saint - Petersburg* 20 : 449. 1875; Gamble, *Fl. Pres. Madras* 2 : 674. 1957 (repr. ed.). *Lindernia pyxidaria* L. *Mant. Pl.* 252. 1771 p.p.

A slender, divaricatingly branched herb.

Distrib.: Coimbatore. E. R.

Lindernia rotundifolia (L.) Alston in *Trimen, Handb. Fl. Ceylon* 6 (Suppl.) : 214. 1931. *Gratiola rotundifolia* L. *Mant. Pl.* 274. 1771; Roxb. *Pl. Cor.* t. 204. 1811. *Ilysanthes rotundifolia* (L.) Benth. in DC. *Prodr.* 10 : 420. 1846; Hook. f. *Fl. Brit. India* 4 : 284. 1884; Gamble, *Fl. Pres. Madras* 2 : 675. 1957 (repr. ed.).

A creeping herb, in wet places and banks of ponds.

Distrib.: Madurai, Pudukkotta (Matthew 1970), Tiruchchirappalli (RHT).

Lindernia ruellioides (Colsm.) Pennel in *Brittonia* 2 : 182. 1936. *Gratiola ruellioides* Colsm. *Prodr. Desc. Gratiol.* 12. 1793. *Bonnaya reptans* (Roxb.) Spreng. *Syst. Veg.* 1 : 41. 1824; Hook. f. *Fl. Brit. India* 4 : 284. 1884. *Gratiola reptans* Roxb. *Fl. Ind.* 1 : 140. 1820. *Ilysanthes reptans* (Roxb.) Urban in *Ber. Deutsch. Bot. Ges.* 2 : 436. 1884; Gamble, *Fl. Pres. Madras* 2 : 675. 1957 (repr. ed.).

Distrib.: Coimbatore (FRC); "Madras" (Gamble 1957). E.

Lindernia tenuifolia (Colsm.) Alston in *Trimen, Handb. Fl. Ceylon* 6 (Suppl.) : 214. 1931. *Gratiola tenuifolia* Colsm.

Prodr. Desc. Gratiol. 8. 1793. *Bonnaya tenuifolia* (Colsm.) Spreng. Syst. Veg. 1 : 42. 1824; Hook. f. Fl. Brit. India 4 : 286. 1884. *Ilysanthes tenuifolia* (Colsm.) Urban in Ber. Deutsch. Bot. Ges. 2 : 435. 1884; Gamble, Fl. Pres. Madras 2 : 676. 1957 (repr. ed.).

A small marsh herb.

Distrib.: Pudukkottai (Matthew 1970).

Lindernia viscosa (Hornem.) Boldingh, Zakfl. Java 165. 1916; Kew Bull. 23 : 212. 1969, in errata. *Gratiola viscosa* Hornem. Hort. Hafn. 19. 1807. *Vandellia hirsuta* Buch. - Ham. ex Benth. Scroph. Ind. 36. 1835; Hook. f. Fl. Brit. India 4 : 280. 1884; Gamble, Fl. Pres. Madras 2 : 673. 1957 (repr. ed.).

An erect pubescent succulent herb.

Distrib.: Coimbatore (Fischer 1921).

Maurandya barclaiana Lindl. in Bot. Reg. 13 : t. 1108. 1827.

An evergreen perennial herb, grown in gardens.

Maurandya erubescens (D. Don) Gray in Proc. Amer. Acad. Arts 7 : 377. 1868. *Lophospermum erubescens* D. Don in Sweet, Brit. Flow. Gard. ser. 2. t. 68. 1830.

A glandular-hairy herb, grown in gardens.

Maurandya lophospermum Bailey, Stand. Cyclop. Hort. 2013. 1916 & Man. Cult. Pl. 895. 1958; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 1096. 1983.

A climber, introduced.

Maurandya semperflorens Jacq. Hort. Schoenbr. 3 : 20. 1798.

A herb, grown in gardens.

Mazus pumilus (Burm. f.) Steenis in Nova Guinea n.s. 9 : 31. 1958. *Lobelia*

pumila Burm. f. Fl. Ind. 186. t. 60. f. 3. 1768. *Mazus rugosus* Lour. Fl. Cochinch. 2 : 385. 1790; Hook. f. Fl. Brit. India 4 : 259. 1884; Gamble, Fl. Pres. Madras 2 : 664. 1957 (repr. ed.).

A small herb.

Distrib.: Nilgiri. E.

Mazus surculosus D. Don, Prodr. Fl. Nep. 86. 1825; Hook. f. Fl. Brit. India 4 : 260. 1884.

An erect, small herb, in sunny grassy places.

Distrib.: "Nilgiri Mts." (Hook. f. 1884).

Mecardonia procumbens (Mill.) Small, Fl. Southeast. U. S. 1065 & 1338. 1903. *Erinus procumbens* Mill. Gard. Dict. ed. 8. n. 6. 1768. *Herpestis chamaedryoides* Kunth in H.B.K. Nov. Gen. Sp. 2 : 369. 1817.

A small diffuse spreading herb, on moist shady places, introduced and naturalized.

Distrib.: Coimbatore (FRC), Nilgiri.

Micrargeria wightii Benth. in DC. Prodr. 10 : 509. 1846; Wight, Ic. t. 1417. 1849; Hook. f. Fl. Brit. India 4 : 303. 1884; Gamble, Fl. Pres. Madras 2 : 682. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore, Kanniyakumari (UCT), Ramanathapuram, South Arcot, Tirunelveli.

Microcarpaea minima (Koen.) Merr. in Philipp. J. Sci. 7 : 100. 1912; Rani & Matthew in Matthew, Fl. Tamilnadu Carnatic 3 : 1098. 1983. *Paederota minima* Koen. in Retz. Obs. Bot. 5 : 10. 1789. *Microcarpaea muscosa* R. Br. Prodr. 436. 1810; Hook. f. Fl. Brit. India 4 : 287. 1884; Gamble, Fl. Pres. Madras 2 : 677. 1957 (repr. ed.).

A prostrate herb, introduced.

Pedicularis perrottetti Benth. in DC. Prodr. 10 : 565. 1846; Wight, Ic. t. 1418. 1849; Hook. f. Fl. Brit. India 4 : 317. 1884; Gamble, Fl. Pres. Madras 2 : 683. 1957 (repr. ed.).

A herb with very long corolla tube, in grasslands.

Distrib.: Coimbatore, Nilgiri.

Pedicularis zeylanica Benth. Scroph. Ind. 54. 1835; Wight, Ic. t. 1419. 1849; Hook. f. Fl. Brit. India 4 : 317. 1884; Gamble, Fl. Pres. Madras 2 : 683. 1957 (repr. ed.).

A beautiful herb, in open grasslands, in dampish localities.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Gamble (1957)); "W. Ghats in all districts" (Gamble 1957).

Penstemon azureus Benth. Pl. Hartw. 327. 1849.

A shrub, often under cultivation.

Peplidium maritimum (L. f.) Asch. in Schweinf. Beitr. Fl. Aethiop. 1306. 1867; Gamble, Fl. Pres. Madras 2 : 677. 1957 (repr. ed.). *Hedyotis maritima* L. f. Suppl. Pl. 119. 1781. *Peplidium humifusum* Del. Descr. Egypt. Hist. Nat. 148. t. 4. 1812; Hook. f. Fl. Brit. India 4 : 287. 1884.

A small prostrate herb, in wet places.

Distrib.: Chengalpattu, Madurai, South Arcot, Thanjavur.

Russelia equisetiformis Schlecht. & Cham. in Linnaea 6 : 377. 1831. *R. juncea* Zucc. in Flora 15(2) : Bejbl. 99. 1832.

An erect much-branched shrub, grown in gardens.

Scoparia dulcis L. Sp. Pl. 116. 1753; Hook. f. Fl. Brit. India 4 : 289. 1884;

Gamble, Fl. Pres. Madras 2 : 678. 1957 (repr. ed.).

Tamil: *Sarakkottthini*.

A glabrous herb or undershrub, in wastelands.

Distrib.: Almost all districts.

Sopubia delphiniifolia (L.) G. Don, Gen. Syst. 4 : 560. 1837-1838, var. **delphiniifolia**, "*delphinifolia*"; Hook. f. Fl. Brit. India 4 : 302. 1884; Fyson, Fl. South Indian Hill St. 2 : t. 372. 1932; Gamble, Fl. Pres. Madras 2 : 682. 1957 (repr. ed.). *Gerardia delphiniifolia* L. Cent. Pl. 2 : 21. 1756, "*delphinifolia*".

An erect herb, in rocky places in forests, fields and grassy slopes.

Distrib.: Almost all districts. E.

Sopubia delphiniifolia (Roxb.) G. Don var. **parviflora** Benth. in DC. Prodr. 10 : 522. 1846; Sharma et al. in Biol. Mem. 2 (1 & 2) : 101. 1977.

A herb.

Distrib.: Nilgiri.

Sopubia stricta G. Don, Gen. Syst. 4 : 559. 1837-1838; Hook. f. Fl. Brit. India 4 : 302. 1884.

An erect herb.

Distrib.: Nilgiri.

Sopubia trifida Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 88. 1825; Hook. f. Fl. Brit. India 4 : 302. 1884; Fyson, Fl. South Indian Hill St. 2 : t. 373. 1932; Gamble, Fl. Pres. Madras 2 : 682. 1957 (repr. ed.).

A herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Stemodia viscosa Roxb. Pl. Cor. t. 163. 1802; Wight, Ic. t. 1408. 1849; Hook. f.

Fl. Brit. India 4 : 265. 1884; Gamble, Fl. Pres. Madras 2 : 666. 1957 (repr. ed.).

A much-branched aromatic viscid-pubescent herb, in wet places.

Distrib.: Almost all districts.

Striga angustifolia (D. Don) Saldanha in Bull. Bot. Surv. India 5 : 70. 1963. *Buchnera angustifolia* D. Don, Prodr. Fl. Nep. 91. 1825. *Striga euphrasioides* Benth. in Companion Bot. Mag. 1 : 364. 1836 quoad descr.; Wight, Ic. t. 855. 1844-1845; Hook. f. Fl. Brit. India 4 : 299. 1884; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.).

A very variable erect herb.

Distrib.: Almost all districts.

Striga asiatica (L.) Kuntze, Rev. Gen. Pl. 2 : 466. 1891, var. *asiatica*; Hepper in Rhodora 76 : 46. 1974. *Buchnera asiatica* L. Sp. Pl. 630. 1753. *Striga lutea* Lour. Fl. Cochinch. 1 : 22. 1790; Hook. f. Fl. Brit. India 4 : 299. 1884 p.p.; Fyson, Fl. South Indian Hill St. 2 : t. 371. 1932; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.) p.p.

A small, erect scabrous hirsute herb, parasitic on roots of grasses.

Distrib.: Almost all districts.

Striga asiatica (L.) Kuntze var. *albiflora* (Kuntze) Sant. in J. Bombay Nat. Hist. Soc. 49 : 44. 1950. *S. lutea* Lour. var. *albiflora* Kuntze, Rev. Gen. Pl. 2 : 466. 1891. *S. lutea* Lour. Fl. Cochinch. 1 : 22. 1790; Hook. f. Fl. Brit. India 4 : 299. 1884 p.p.; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.) p.p.

An erect parasitic herb, on roots of grasses.

Distrib.: Madurai, South Arcot.

Striga densiflora (Benth.) Benth. in Companion Bot. Mag. 1 : 363. 1836;

Hook. f. Fl. Brit. India 4 : 299. 1884; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.). *Buchnera densiflora* Benth. Scroph. Ind. 41. 1835.

An erect scabrid herb.

Distrib.: Almost all districts.

Striga gesnerioides (Willd.) Vatke in Oesterr. Bot. Z. 11. 1875. *Buchnera gesnerioides* Willd. Sp. Pl. 3 : 338. 1800. *Striga orobanchoides* (R. Br. ex Endlicher) Benth. in Companion Bot. Mag. 1 : 361. 1836, "*orobanchioides*"; Wight, Ic. t. 1414. 1849; Hook. f. Fl. Brit. India 4 : 299. 1884; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.). *Buchnera orobanchoides* R. Br. ex Endlicher in Flora 15 : 388. t. 2. 1832.

A herb, parasitic on roots of various plants.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Kanniyakumari (UCT), Pudukkottai (RHT), Salem, Tirunelveli. E.

Striga masuria Benth. in Companion Bot. Mag. 1 : 364. 1836; Hook. f. Fl. Brit. India 4 : 300. 1884; Gamble, Fl. Pres. Madras 2 : 680. 1957 (repr. ed.).

A slender erect scabrid herb.

Distrib.: "Guindy near Madras" (Gamble 1957).

Sutera dissecta (Del.) Walp. Rep. 3 : 271. 1844. *Capraria dissecta* Del. Descr. Egypt. Hist. Nat. 95. t. 32. f. 2. 1812. *Sutera glandulosa* Roth, Nov. Pl. Sp. 291. 1821; Wight, Ic. t. 856. 1844-1845; Hook. f. Fl. Brit. India 4 : 258. 1884; Gamble, Fl. Pres. Madras 2 : 644. 1957 (repr. ed.).

An erect branched herb.

Distrib.: Coimbatore; "South to near Madras" (Gamble 1957).

Torenia bicolor Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 38. 1851;

Hook. f. Fl. Brit. India 4 : 278. 1884; Gamble, Fl. Pres. Madras 2 : 672. 1957 (repr. ed.).

A small trailing herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Torenia cordifolia Roxb. Pl. Cor. t. 161. 1802; Hook. f. Fl. Brit. India 4 : 276. 1884; Gamble, Fl. Pres. Madras 2 : 671. 1957 (repr. ed.).

An erect trichotomously branched herb.

Distrib.: Nilgiri.

Torenia courtallensis Gamble in Kew Bull. 1923 : 116. 1923 & Fl. Pres. Madras 956. 1923 & 2 : 671. 1957 (repr. ed.). *T. cordifolia* sensu Hook. f. Fl. Brit. India 4 : 276. 1884 p.p., non Roxb. 1802.

A trailing herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Torenia fournieri Linden ex Fourn. in Ill. Hort. 23 : 129, t. 249. 1876; Gamble, Fl. Pres. Madras 2 : 672. 1957 (repr. ed.).

An erect herb, in waste places and along roadsides, often grown in gardens. E.

Torenia hirsuta Willd. Sp. Pl. 3 : 266. 1800; Gamble, Fl. Pres. Madras 2 : 672. 1957 (repr. ed.). *T. asiatica* L. var. *hirsuta* (Willd.) Hook. f. Fl. Brit. India 4 : 277. 1884.

A stout, hirsute diffuse herb.

Distrib.: Coimbatore, Nilgiri, Tirunelveli; "W. ghats, in most districts" (Gamble 1957).

Torenia travancorica Gamble, Fl. Pres. Madras 957. 1923 & 2 : 671. 1957 (repr. ed.). *T. asiatica* auct. non L. 1753; Wight, Ic. t. 862. 1844 1845; Hook. f. Fl. Brit. India 4 : 277. 1884 p.p.

A creeping herb with large flowers.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Tirunelveli (UCT). E.

Torenia vagans Roxb. Fl. Ind. 3 : 96. 1832; Hook. f. Fl. Brit. India 4 : 277. 1884; Gamble, Fl. Pres. Madras 2 : 671. 1957 (repr. ed.). *T. hirtella* Hook. f. Fl. Brit. India 4 : 277. 1884 p.p.

A diffuse trailing herb.

Distrib.: Nilgiri.

Verbascum chinense (L.) Sant. Fl. Purandhar 90. 1958. *Scrophularia chinensis* L. Mant. Pl. 250. 1771. *Celsia coromandeliana* Vahl, Symb. Bot. 3 : 79. 1794; Wight, Ic. t. 1406. 1849; Hook. f. Fl. Brit. India 4 : 251. 1883; Gamble, Fl. Pres. Madras 2 : 663. 1957 (repr. ed.).

An erect, grey-pubescent herb, in cultivated lands.

Distrib.: Coimbatore, Dharmapuri, North Arcot, Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT); "All plains Districts" (Gamble 1957). E.

Verbascum thapsus L. Sp. Pl. 177. 1753; Hook. f. Fl. Brit. India 4 : 250. 1883; Fyson, Fl. South Indian Hill. St. 2 : t. 364. 1932; Gamble, Fl. Pres. Madras 2 : 663. 1957 (repr. ed.).

A tall erect woolly herb or undershrub, introduced in hill stations. E.

Verbascum virgatum Stokes in With. Bot. Arr. Brit. Pl. éd. 2. 1 : 227. 1787; Wight, Ic. tt. 1404 & 1405. 1849; Hook. f. Fl. Brit. India 4 : 250. 1883; Gamble, Fl. Pres. Madras 2 : 663. 1957 (repr. ed.).

A tall erect herb, introduced and run wild.

Veronica arvensis L. Sp. Pl. 13. 1753; Hook. f. Fl. Brit. India 4 : 296. 1884; Gamble, Fl. Pres. Madras 2 : 679. 1957 (repr. ed.).

An erect annual herb.

Distrib.: Nilgiri, E.

Veronica javanica Blume, Bijdr. 742. 1826; Hook. f. Fl. Brit. India 4 : 296. 1884; Gamble, Fl. Pres. Madras 2 : 679. 1957 (repr. ed.).

A pubescent herb.

Distrib.: Madurai, Nilgiri.

Veronica polita Fries, Novit. Fl. Svec. 63. 1819; Deva & Jain in Indian J. For. 3 : 82. 1980. *V. agrestis* sensu Hook. f. Fl. Brit. India 4 : 294. 1884 p.p., non L. 1753; Fyson, Fl. South Indian Hill St. 2 : t. 370. 1932; Gamble, Fl. Pres. Madras 2 : 678. 1957 (repr. ed.).

A prostrate annual.

Distrib.: Madurai, Nilgiri (FRC, CAL, UCT).

Veronica speciosa R. Cunn. in Bot. Mag. sub t. 3461. 1836.

A shrub, cultivated.

Veronica tournefortii C. Gmel. Fl. Bad. 1 : 39. 1805. *V. persica* Hort. ex Poir. in Lam. Encycl. 8 : 542. 1808; Hook. f. Fl. Brit. India 4 : 294. 1884; Gamble, Fl. Pres. Madras 2 : 679. 1957 (repr. ed.).

A prostrate annual weed of cultivation.

Distrib.: Nilgiri.

OROBANCHACEAE

K. RAMAMURTHY

Aeginetia indica L. Sp. Pl. 632. 1753; Wight, Ic. t. 895. 1844-1845; Hook. f. Fl. Brit. India 4 : 320. 1884; Gamble, Fl. Pres. Madras 2 : 685. 1957 (repr. ed.).

A parasitic herb.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Nilgiri.

Aeginetia pedunculata Wall. Pl. Asiat. Rar. 2 : t. 219. 1831; Wight, Ic. t. 1421. 1849; Hook. f. Fl. Brit. India 4 : 320. 1884; Gamble, Fl. Pres. Madras 2 : 685. 1957 (repr. ed.).

A herb, parasitic on roots of grasses.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Christisonia bicolor Gard. in Calcutta J. Nat. Hist. 8 : 159. 1847; Gamble, Fl. Pres. Madras 2 : 686. 1957 (repr. ed.). *C. aurantiaca* Wight, Ic. t. 1486. 1849.

A root parasite, especially on members of Acanthaceae.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Christisonia neilgherrica Gard. in Calcutta J. Nat. Hist. 8 : 157. 1847; Hook. f. Fl. Brit. India 4 : 322. 1884. *Campbellia cytinoides* Wight, Ic. t. 1425. 1849; Fyson, Fl. South Indian Hill St. 2 : t. 377. 1932; Gamble, Fl. Pres. Madras 2 : 686. 1957 (repr. ed.).

A fleshy, parasitic herb, common in higher altitudes.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Christisonia saullerei Dunn in Kew Bull. 1914 : 30. 1914; Fyson, Fl. South Indian Hill St. 2 : t. 376. 1932; Gamble, Fl. Pres. Madras 2 : 686. 1957 (repr. ed.).

A small herb, at high altitudes.

Distrib.: Madurai.

Christisonia subacaulis Gard. in Calcutta J. Nat. Hist. 8 : 162. 1847; Wight, Ic. t. 1423. 1849; Hook. f. Fl. Brit. India 4 : 321. 1884; Gamble, Fl. Pres. Madras 2 : 686. 1957 (repr. ed.).

A parasitic herb.

Distrib.: Madurai, Tirunelveli.

Christisonia tubulosa (Wight) Benth. ex Hook. f. Fl. Brit. India 4 : 321. 1884; Gamble, Fl. Pres. Madras 2 : 685. 1957 (repr. ed.). *Oligopholis tubulosa* Wight, Ic. t. 1422. 1849.

A tall parasitic herb with pinkish flowers.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Orobanche cernua Loefl. var. *nepalensis* Reut. in DC. Prodr. 11 : 33. 1847; Graham in Fl. Trop. East Africa (Orobanchaceae) 6. 1957. *O. nicotianaeae* Wight, Ill. 2 : t. 158. 1850; Hook. f. Fl. Brit. India 4 : 327. 1884. *O. cernua* Loefl. var. *desertorum* (G. Beck) Stapf in Fl. Trop. Africa 4 : 466. 1906; Gamble, Fl. Pres. Madras 2 : 687. 1957 (repr. ed.). *O. cernua* Loefl. forma *desertorum* G. Beck, Monog. Orobanchac. 142. 1890.

An erect parasitic herb with brownish stems.

Distrib.: Coimbatore, Madurai.

LENTIBULARIACEAE

V. CHANDRASEKARAN

Utricularia albo-caerulea Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 279. 1851; Clarke in Hook. f. Fl. Brit. India 4 : 330. 1884; Fischer in Rec. Bot. Surv. India 9(1) : 130. 1921.

A herb, in marshy habitats.

Distrib.: Coimbatore (Fischer 1921).

Utricularia aurea Lour. Fl. Cochin. 1 : 26. 1790; P. Taylor in Steenis, Fl. Males. ser. 1 8 : 296. 1977. *U. flexuosa* Vahl, Enum. Pl. 1 : 198. 1804; Clarke in Hook. f. Fl. Brit. India 4 : 329. 1884 excl. syn. *U. australis*; Gamble, Fl. Pres. Madras 2 : 689. 1957 (repr. ed.). *U. fasciculata* Roxb. Fl. Ind. 1 : 143. 1820; Wight, Ic. t. 1568. 1850.

An aquatic herb in rice fields and fresh water tanks.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), South Arcot, Tirunelveli.

Utricularia baouleensis A. Cheval. in Bull. Soc. Bot. France 8 : 186. 1912; P. Taylor in Steenis, Fl. Males. ser. 1. 8 : 284. 1977. *U. scandens* Oliver in J. Linn. Soc. Bot. 3 : 181. 1859, non Benj. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 332. 1884; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.).

A very minute twining herb, in marshy places.

Distrib.: Arcot and Chengalpattu (Gamble 1957), Coimbatore, Madurai (Gamble 1957), Salem (HIFP).

Utricularia bifida L. Sp. Pl. 18. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 332. 1884; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.).

An erect slender herb with yellow flowers, in wet places.

Distrib.: Pudukkottai (RHT), Ramanathapuram. E.

Utricularia caerulea L. Sp. Pl. 18. 1753; Wight, Ic. t. 1583. 1850; Gamble, Fl. Pres. Madras 2 : 691. 1957 (repr. ed.); P. Taylor in Steenis, Fl. Males. ser. 1. 8 : 287. 1977 excl. syn. *U. roseo-purpurea*. *U. nivea* Vahl, Enum. Pl. 1 : 203. 1804; Wight, Ic. t. 1582. 1850; Abraham et al. in Curr. Sci. 43 : 571. 1974. *U. racemosa* Wall. ex Walp. in Meyen, Obs. Bot. 19 : 401. 1843; Clarke in Hook. f. Fl. Brit. India 4 : 333. 1884.

An erect herb, in wet places; flower colour varying from white to blue.

Distrib.: Almost all districts.

Utricularia exoleta R. Br. Prodr. 430. 1810; Clarke in Hook. f. Fl. Brit. India

4 : 329. 1884; Gamble, Fl. Pres. Madras 2 : 689. 1957 (repr. ed.). *U. diantha* Roxb. ex Roem. & Schultes, Mant. 1 : 169. 1822; Wight, Ic. t. 1569. 1850. *U. gibba* L. subsp. *exoleta* (R. Br.) P. Taylor in Mitt. Bot. Staatssamml. Muenchen 4 : 101. 1961.

A floating herb, sometimes rooting in mud.

Distrib.: Chengalpattu, Coimbatore, Madurai, Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Utricularia graminifolia Vahl, Enum. Pl. 1 : 195. 1804; Fyson, Fl. South Indian Hill St. 2 : t. 378A. 1932; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.). *U. smithiana* Wight in Hooker's J. Bot. Kew Gard. Misc. 1 : 373. 1849 & Ic. t. 1577. 1850; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.). *U. squamosa* Wight in Hooker's J. Bot. Kew Gard. Misc. 1 : 373. 1849 & Ic. t. 1579. 1850, non Benj. 1845; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.). *U. caerulea* sensu Clarke in Hook. f. Fl. Brit. India 4 : 331. 1884, non L. 1753.

A slender herb with bluish purple flowers, in bogs and other wet places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Tiruchchirappalli.

Utricularia hirta Klein ex Link, Jahrb. 1(3) : 55. 1820; Clarke in Hook. f. Fl. Brit. India 4 : 332. 1884; Joseph & Ramam. in J. Bombay Nat. Hist. Soc. 58 : 701. 1961.

An ephemeral herb, in wet sandy places.

Distrib.: North Arcot, South Arcot, Tiruchchirappalli.

Utricularia minutissima Vahl, Enum. Pl. 1 : 204. 1804; Nair in J. Bombay Nat. Hist. Soc. 62 : 180. 1965. *U. lilliput* Pellegrin in Bull. Mus. Hist. Nat. (Paris)

26 : 181. 1920; Subram. & Balakr. in Bull. Bot. Surv. India 2 : 347. 1960.

A terrestrial herb in marshy places; corolla pinkish red.

Distrib.: Tiruchchirappalli, Tirunelveli.

Utricularia polygaloides Edgew. in Proc. Linn. Soc. London 1 : 351. 1847; Basak in Taxon 25 : 189. 1976. *U. humilis* sensu Wight, Ic. t. 1572. f. 2. 1850, non Vahl 1804. *U. reticulata* Smith var. *uliginosa* sensu Clarke in Hook. f. Fl. Brit. India 4 : 331. 1884 p.p. *U. stricticaulis* (Koen. ex Oliver) Stapf ex Gamble, Fl. Pres. Madras 981. 1924 & 2 : 689. 1957 (repr. ed.). *U. reticulata* Smith var. *stricticaulis* Koen. ex Oliver in J. Proc. Linn. Soc. Bot. 3 : 180. 1859.

A rather thick-stemmed herb, in wet sandy places.

Distrib.: Chengalpattu, North Arcot, Pudukkottai, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Utricularia praeterita P. Taylor in Matthew, Fl. Tamilnadu Carnatic 3 : 1120. t. 87. 1983.

A terrestrial herb, among mosses by stream banks at high altitudes.

Distrib.: Nilgiri, Salem (Matthew 1983), Ramanathapuram, Tirunelveli.

Utricularia purpurascens Graham, Cat. Pl. Bombay 165. 1839. *U. arcuata* Wight in Hooker's J. Bot. Kew Gard. Misc. 1 : 372. 1849 & Ic. t. 1571. f. 1. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 330. 1884; Gamble, Fl. Pres. Madras 2 : 689. 1957 (repr. ed.).

A delicate herb.

Distrib.: Coimbatore (Fischer 1921).

Utricularia reticulata J.E. Smith, Exot. Bot. t. 119. 1805; Wight, Ic. t. 1571. f. 2. 1850; Clarke in Hook. f. Fl. Brit.

India 4 : 331. 1884 excl. var. *uliginosa*; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.).

A twining herb, in paddy fields.

Distrib.: Coimbatore.

Utricularia roseo-purpurea Stapf ex Gamble, Fl. Pres. Madras 983. 1924 & 2 : 691. 1957 (repr. ed.); Subram. & Banerjee in Bull. Bot. Surv. India 10 : 103. 1968. *U. racemosa* sensu Wight, Ic. t. 1584. f. 1. 1850, non Wall. ex Walp. 1843. *U. rosea* sensu Clarke in Hook. f. Fl. Brit. India 4 : 333. 1884, non Edgew. 1847.

An erect herb with pink flowers, in wet places.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Wight 1850), Tirunelveli.

Utricularia scandens Benj. in Linnaea 20 : 309. 1847; P. Taylor in Dansk Bot. Ark. 23 : 531. 1968. *U. wallichiana* Wight, Ic. t. 1572. f. 1. 1850, non Benj. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 332. 1884; Gamble, Fl. Pres. Madras 2 : 690. 1957 (repr. ed.).

A very slender twiner with yellow flowers, in marshy and other wet places.

Distrib.: Arcot (P. Taylor 1964), Chengalpattu (Barnes 1938), Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Nilgiri, Pudukkottai (RHT), Salem, Tirunelveli.

Utricularia stellaris L. f. Suppl. Pl. 86. 1781; Wight, Ic. t. 1567. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 328. 1884 excl. var. *inflexa*; Gamble, Fl. Pres. Madras 2 : 689. 1957 (repr. ed.). *U. inflexa* Forssk. var. *stellaris* (L. f.) P. Taylor in Mitt. Bot. Staatssamml. Muenchen 4 : 96. 1961 & in Kew Bull. 18 : 189. 1964 p.p.

An aquatic herb with yellow flowers.

Distrib.: Chengalpattu, Salem (PCM), South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli (RHT).

Utricularia striatula J.E. Smith in Rees, Cyclop. 37 : n. 17. 1819; Gamble, Fl. Pres. Madras 2 : 691. 1957 (repr. ed.). *U. orbiculata* Wall. ex A. DC. in DC. Prodr. 8 : 18. 1844; Clarke in Hook. f. Fl. Brit. India 4 : 334. 1884. *U. glochidiata* Wight in Hooker's J. Bot. Kew Gard. Misc. 1 : 373. 1849 & Ic. t. 1581. 1850.

A small slender herb, on tree trunks or on wet rocks in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Gamble 1957), Tiruchchirappalli (RHT), Tirunelveli.

Utricularia uliginosa Vahl, Enum. Pl. 1 : 203. 1804; Gamble, Fl. Pres. Madras 2 : 689. 1957 (repr. ed.). *U. affinis* Wight in Hooker's J. Bot. Kew Gard. Misc. 1 : 373. 1849 & Ic. t. 1580. f. 1. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 330. 1884.

A small herb with bluish purple flowers, in swampy land.

Distrib.: Coimbatore, Nilgiri (Wight 1850)

GESNERIACEAE

R. GOPALAN

Aeschynanthus ceylanica Gard. var. *pinguis* Clarke in Hook. f. Fl. Brit. India 4 : 340. 1884. *A. perrottetii* Gard. in Calcutta J. Nat. Hist. 6 : 475. 1846, non A. DC. 1845.

Distrib.: Nilgiri.

Aeschynanthus perrottetii A. DC. in DC. Prodr. 9 : 261. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 339. 1884 incl. vars.; Gamble, Fl. Pres. Madras 2 : 692. 1957 (repr. ed.); Subram. & Henry in Bull. Bot. Surv. India 12 : 1.

1970. *A. ceylanica* sensu Wight, Ic. t. 1347. 1848, non Gard. 1846. *A. perrottetii* A. DC. var. *planiculmis* Clarke in Hook. f. Fl. Brit. India 4:340. 1884, "*platyeulmis*". *A. planiculmis* (Clarke) Gamble, Fl. Pres. Madras 985. 1924. & 2 : 692. 1957 (repr. ed.).

An epiphytic undershrub on tree trunks; flowers bright red with purple lines or spots.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Didymocarpus fischeri Gamble in Kew Bull. 1923 : 117. 1923 & Fl. Pres. Madras 2 : 695. 1957 (repr. ed.).

A large herb with blue flowers, in evergreen forests.

Distrib.: Coimbatore, Nilgiri. R.

Didymocarpus gambleanus Fischer in Kew Bull. 1938 : 36. 1938. *D. tomentosa* Wight var. *lanuginosa* Clarke in DC. Monog. Phan. 5 : 102. 1883 & in Hook. f. Fl. Brit. India 4 : 353. 1884. *D. lanuginosus* (Clarke) Gamble, Fl. Pres. Madras 989. 1924 & 2 : 695. 1957 (repr. ed.), non Wall. ex DC. 1845.

A scapigerous herb with thick cinnamonaceous tomentose leaves.

Distrib.: Coimbatore (FRC), Madurai (Gamble 1957), Tirunelveli. O. R.

Didymocarpus humboldtianus Gard. in Calcutta J. Nat. Hist. 6 : 477. 1846; Clarke in Hook. f. Fl. Brit. India 4 : 353. 1884; Gamble, Fl. Pres. Madras 2 : 695. 1957 (repr. ed.).

A scapigerous herb with pale lilac flowers, at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Didymocarpus innominatus Burt in Notes Roy. Bot. Gard. Edinburgh 21 : 201. 1954. *D. rottleriana* sensu Clarke in DC. Monog. Phan. 5 : 101. 1883 excl.

vars. & in Hook. f. Fl. Brit. India 4 : 353. 1884 excl. var., non Wall. 1828; Gamble, Fl. Pres. Madras 2 : 695. 1957 (repr. ed.).

A large scapigerous herb, in hills.

Distrib.: Coimbatore, Salem, Tirunelveli.

Didymocarpus lyrata Wight, Ic. t. 1350. 1848, var. *lyrata*; Clarke in Hook. f. Fl. Brit. India 4 : 353. 1884; Gamble, Fl. Pres. Madras 2 : 694. 1957 (repr. ed.).

A softly villous herb, in most shady places in hills.

Distrib.: Tirunelveli (Gamble 1957).

O. R.

Didymocarpus lyrata Wight var. *prostrata* Clarke in DC. Monog. Phan. 5 : 102. 1883.

A softly villous herb with elliptic leaves, in most shady places in hills.

Distrib.: Madurai (Clarke 1883).

Didymocarpus meeboldii W.W. Smith in Rec. Bot. Surv. India 6 : 43. 1914; Gamble, Fl. Pres. Madras 2 : 695. 1957 (repr. ed.).

A scapigerous herb, in hills.

Distrib.: Madurai (Gamble 1957), Tirunelveli. O. R.

Didymocarpus missionis Wall. ex R. Br. in Benn. Pl. Jav. Rar. 119. 1840; Clarke in Hook. f. Fl. Brit. India 4 : 354. 1884; Gamble, Fl. Pres. Madras 2 : 694. 1957 (repr. ed.). *D. membranacea* Bedd. Ic. t. 176. 1868 - 1874.

A scapigerous succulent herb, on moist rocks.

Distrib.: Kanniyakumari. O. R. +.

Didymocarpus ovalifolia Wight, Ic. t. 1351. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 354. 1884; Gamble, Fl. Pres. Madras 2 : 694. 1957 (repr. ed.).

A herb, in hills.

Distrib.: Kanniyakumari, Tirunelveli.
O. R. +.

Didymocarpus repens Bcdd. Ic. t. 120. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 354. 1884; Gamble, Fl. Pres. Madras 2 : 694. 1957 (repr. ed.).

A creeping herb, in moist forests and hills; flowers blue.

Distrib.: Tirunelveli. O. R.

Didymocarpus tomentosus Wight, Ic. t. 1349. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 353. 1884; Gamble, Fl. Pres. Madras 2 : 695. 1957 (repr. ed.).

A scapigerous herb, in hills.

Distrib.: In most of the districts.

Didymocarpus wightii (Clarke) Gamble, Fl. Pres. Madras 989. 1924 & 2 : 695. 1957 (repr. ed.). *D. rottleriana* var. *wightii* Clarke in DC. Monog. Phan. 5 : 101. 1883 & in Hook. f. Fl. Brit. India 4 : 353. 1884.

A small herb with very white woolly leaves.

Distrib.: Coimbatore (Fischer 1921), Tiruchchirappalli (FRC), Tirunelveli (Gamble 1957).

Epithema carnosum (G. Don) Benth. var. *hispida* Clarke in DC. Monog. Phan. 5 : 178. 1883 & in Hook. f. Fl. Brit. India 4 : 369. 1884; Gamble, Fl. Pres. Madras 2 : 697. 1957 (repr. ed.). *E. ceylanicum* Wight, Ic. t. 1354. 1848, non Gard. 1846.

A small herb with blue flowers, in hills at low levels.

Distrib.: Madurai; Nilgiri and Tirunelveli (Gamble 1957). R.

Gesneria cardinalis Lehm. in Otto, Hamb. Gartenz. 6 : 454. 1850; Bailey, Stand. Cyclop. Hort. 2 : 1333. 1900.

A low perennial, cultivated in hills.

Jerdonia indica Wight, Ic. t. 1352. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 368. 1884; Gamble, Fl. Pres. Madras 2 : 696. 1957 (repr. ed.).

A small herb, in damp evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Rhynchoglossum notonianum (Wall) Burt in Notes Roy. Bot. Gard. Edinburgh 24 : 170. 1962. *Wulfenia notoniana* Wall. Tent. Fl. Nep. 46. 1826. *Klugia notoniana* (Wall) A. DC. in DC. Prodr. 9 : 276. 1845; Wight, Ic. t. 1353. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 366. 1884; Gamble, Fl. Pres. Madras 2 : 696. 1957 (repr. ed.).

A nearly succulent herb with blue flowers, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Rhynchoglossum obliquum Blume var. *parviflora* Clarke in DC. Monog. Phan. 5 : 162. 1883 & in Hook. f. Fl. Brit. India 4 : 367. 1884; Gamble, Fl. Pres. Madras 2 : 696. 1957 (repr. ed.).

A herb, in evergreen forests.

Distrib.: Nilgiri.

Rhynchotechum permolle (Nees) Burt in Notes Roy. Bot. Gard. Edinburgh 24 : 39. 1962. *Isanthera permollis* Nees in Trans. Linn. Soc. London 17 : 82. 1834; Wight, Ic. t. 1355. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 372. 1884; Gamble, Fl. Pres. Madras 2 : 697. 1957 (repr. ed.).

An undershrub, in moist places of evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Nilgiri, Tirunelveli.

BIGNONIACEAE

V. CHANDRASEKARAN

Bignonia magnifica Bull in Gard. Chron. 2 : 73. 1879.

Introduced in gardens.

Bignonia megapotamica Spreng. Syst. Veg. 4 : 237. 1827.

A tree, cultivated.

Campsis radicans (L.) Seem. in J. Bot. 5 : 372. 1867; K. Schum. in Engler & Prantl, Pflanzenf. 4 (3b) : 230. f. 90A. 1894; Matthew in Rec. Bot. Surv. India 20(1) : 178. 1969. *Bignonia radicans* L. Sp. Pl. 624. 1753. *Tecoma radicans* (L.) Juss. ex Spreng. Syst. Veg. 2 : 834. 1825.

A robust spreading woody shrub, climbing by means of aerial roots.

Distrib.: Madurai (Matthew 1969).

Catalpa bignonioides Walter, Fl. Carol. 64. 1788; K. Schum. in Engler & Prantl, Pflanzenf. 4 (3b) : 235. ff. 91 B-D. 1894; Matthew in Rec. Bot. Surv. India 20(1) : 172. 1969. *Bignonia catalpa* L. Sp. Pl. 622. 1753.

A deciduous tree.

Distrib.: Madurai (Matthew 1969).

Clytostoma callistegioides (Cham.) Baill. Hist. Pl. 10 : 34. 1884. *Bignonia callistegioides* Cham. in Linnaea 7 : 712. 1832.

Cultivated as an ornamental.

Clytostoma purpureum (Lodd. ex Sweet) Rehder in Bailey, Standard Cyclop. Hort. 2 : 806. 1914. *Bignonia purpurea* Lodd. ex Sweet in Bot. Mag. t. 5800. 1869.

A large climber.

Distrib.: Coimbatore, Salem.

Crescentia alata H.B.K. Nov. Gen. Sp. 3 : 158. 1819; Steenis, Fl. Males. ser. 1.

8 : 182. 1977. *Parmentiera alata* (H.B.K.) Miers in Trans. Linn. Soc. London 26 : 166. 1868.

Cultivated in gardens. E.

Crescentia cujeta L. Sp. Pl. 626. 1753; Bailey, Man. Cult. Pl. 904. 1949.

Tamil : *Tiruvottukkai*.

Introduced in gardens.

Dolichandrone arcuata (Wight) Clarke in Hook. f. Fl. Brit. India 4 : 380. 1884; Gamble, Fl. Pres. Madras 2 : 700. 1957 (repr. ed.). *Spathodea arcuata* Wight, Ic. t. 1340. 1848.

Tamil : *Ram Palai*.

A moderate-sized tree, in dry deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Dolichandrone atrovirens (Heyne ex Roth) Sprague in Kew Bull. 1919 : 304. 1919; Gamble, Fl. Pres. Madras 2 : 700. 1957 (repr. ed.). *Bignonia atrovirens* Heyne ex Roth, Nov. Pl. Sp. 284. 1821. *Dolichandrone crispa* Seem. in J. Bot. 8 : 381. 1870 excl. syn.; Clarke in Hook. f. Fl. Brit. India 4 : 379. 1884.

Tamil : *Pumbadri*.

A moderate-sized tree with pretty white flowers, in dry deciduous forests.

Distrib.: Coimbatore, Madurai, North Arcot, Tirunelveli. E.

Dolichandrone falcata (Wall. ex DC.) Seem. in J. Bot. 8 : 381. 1870; Clarke in Hook. f. Fl. Brit. India 4 : 380. 1884; Gamble, Fl. Pres. Madras 2 : 700. 1957 (repr. ed.). *Spathodea falcata* Wall. ex DC. Prodr. 9 : 206. 1845; Bedd. Fl. Sylv. t. 71. 1870.

Tamil : *Kattuarsana*, *Kaddalatti*, *Kaliyacca*.

A small deciduous tree, in dry deciduous forests, often on rocky slopes.

Distrib.: Chengalpattu (Barnes 1938), Coimbatore, Dharmapuri, Madurai (Gamble 1957), Pudukkottai (RHT), Ramanathapuram, Salem, South Arcot, Tiruchchirappalli. E.

Dolichandrone spathacea (L.f.) K.Schum. Fl. Kais. Wilh. Land 123. 1889; Gamble, Fl. Pres. Madras 2 : 700. 1957 (repr. ed.). *Bignonia spathacea* L. f. Suppl. Pl. 283. 1781. *Dolichandrone rheedii* (Wall. ex DC.) Seem. in J. Bot. 8 : 380. 1870; Clarke in Hook. f. Fl. Brit. India 4 : 379. 1884. *Spathodea rheedii* Wall. ex DC. Prodr. 9 : 206. 1845; Wight, Ic. t. 1339. 1848.

Tamil : *Vilpadri*, *Viribadiri*, *Kanbillai*.

A moderate-sized deciduous tree, on banks of rivers and backwaters.

Distrib.: Chengalpattu. E.

Haplophragma adenophyllum (DC.) Dop in Bull. Soc. Bot. France 72 : 890. 1925. *Spathodea adenophylla* DC. Prodr. 9 : 206. 1845; Wight, Ill. 2 : t. 160. 1850. *Heterophragma adenophyllum* (DC.) Seem. ex Benth. in Benth. & Hook. f. Gen. Pl. 2 : 1047. 1876; Clarke in Hook. f. Fl. Brit. India 4 : 381. 1884; Gamble, Fl. Pres. Madras 2 : 701. 1957 (repr. ed.).

A medium-sized tree, frequently found in gardens. E.

Jacaranda mimosifolia D. Don in Bot. Reg. 8 : t. 631. 1822; Matthew in Rec. Bot. Surv. India 20 (1) : 173. 1969. *J. ovalifolia* R. Br. in Bot. Mag. t. 2327. 1822.

An ornamental tree, common in gardens in hills. E.

Kigelia africana (Lam.) Benth. in Hook. Niger Fl. 463. 1849; Steenis, Fl. Males. ser. 1. 8 : 183. 1977. *Bignonia africana* Lam. Encycl. 1 : 424. 1785. *Kigelia pinnata* (Jacq.) DC. Prodr. 9 : 247. 1845; Gamble,

Fl. Pres. Madras 2 : 703. 1957 (repr. ed.). *Crescentia pinnata* Jacq. Coll. Bot. 203. t. 18. 1789.

A huge tree, planted in gardens and roadsides. E.

Macfadynea unguis-cati (L.) A. Gentry in Brittonia 25 : 236. 1973; Steenis, Fl. Males. ser. 1. 8 : 183. 1977. *Bignonia unguis-cati* L. Sp. Pl. 623. 1753; Matthew in Rec. Bot. Surv. India 20 (1) : 176. 1969. *B. tweediana* Lindl. in Edward's Bot. Reg. 26 : t. 45. 1840.

A slender tendril climber, cultivated.

Markhamia stipulata Seem. in J. Bot. 1 : 226. 1863; Gamble, Fl. Pres. Madras 2 : 703. 1957 (repr. ed.).

A tree, introduced and cultivated (Gamble 1957). E.

Mitlingtonia hortensis L. f. Suppl. Pl. 291. 1781; Bedd. Fl. Sylv. t. 249. 1872; Clarke in Hook. f. Fl. Brit. India 4 : 377. 1884; Gamble, Fl. Pres. Madras 2 : 699. 1957 (repr. ed.).

Tamil : *Katumalli*, *Mara-Malli*.

A tall tree with sweet-scented flowers.

Distrib.: Chengalpattu, Coimbatore, Tiruchchirappalli (RHT). E.

Nyctocalos cuspidata (Blume) Miq. in Ann. Mus. Bot. Lugduno - Batavum 3 : 249. t. 8B. 1867, "*cuspidatum*"; Steenis, Fl. Males. ser. 1. 8 : 125. 1977. *Tecoma cuspidata* Blume, Rumph. 4 : 35. 1849. *Nyctocalos thomsonii* Hook. f. in Bot. Mag. t. 5678. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 377. 1884.

A large climber, cultivated.

Oroxylum indicum (L.) Benth. ex Kurz, For. Fl. Burma 2 : 237. 1877; Clarke in Hook. f. Fl. Brit. India 4 : 378. 1884; Gamble, Fl. Pres. Madras 2 : 698. 1957

(repr. ed.). *Bignonia indica* L. Sp. Pl. 625. 1753. *Calosanthus indica* (L.) Blume, Bijdr. 761. 1826; Wight, Ic. tt. 1337 & 1338. 1848.

Tamil : *Achi, Pana, Vangam.*

A small tree with an erect simple stem and very large leaves near the top, found in moist places in deciduous forests.

Distrib.: Coimbatore. E.

Pandorea jasminoides (Lindl.) K. Schum. in Engler & Prantl, Pflanzenf. 4 (3b) : 230. 1894; Matthew in Rec. Bot. Surv. India 20 (1) : 178. 1969. *Tecoma jasminoides* Lindl. in Edward's Bot. Reg. 23 : t. 2002. 1837.

A twining shrub, cultivated in gardens. E.

Phaedranthus buccinatorius (DC.) Miers in Proc. Roy. Hort. Soc. London 3 : 182. 1863; K. Schum. in Engler & Prantl, Pflanzenf. 4 (3b) : 219. f. 89. 1894. *Pithecoctenium buccinatorium* DC. Prodr. 9 : 195. 1845.

A robust tendril climber, grown in gardens.

Phyllarthron comorensis DC. ex Meisner, Pl. Vasc. Gen. 244. 1841; Matthew in Rec. Bot. Surv. India 20 (1) : 174. 1969.

A glabrous pyramidal tree with dense crown, cultivated. E.

Pleonotoma jasminifolia (H.B.K.) Miers in Proc. Roy. Hort. Soc. London 3 : 184. 1863; Sandwith in Kew Bull. 15 : 457. 1962. *Bignonia jasminifolia* H.B.K. Nov. Gen. Sp. 3 : 141. 1818.

Cultivated in gardens.

Podranea ricasoliana (Tranf.) Sprague in Dyer, Fl. Cap. 4 : 450. 1904; Matthew in Rec. Bot. Surv. India 20 (1) : 179. 1969. *Tecoma ricasoliana* Tanf. in Bull. Soc.

Tosc.ortic. 17. tt. 1 & 2. 1887 & in Nuovo Giorn. Bot. Ital. 19 : 103. 1887.

A scandent or climbing shrub, cultivated in gardens. E.

Pyrostegia venusta (Ker-Gawl.) Presl, Bot. Bemerk. 93. 1845; Matthew in Rec. Bot. Surv. India 20 (1) : 177. 1969. *Bignonia venusta* Ker-Gawl. in Bot. Reg. 3 : t. 249. 1818. *Pyrostegia ignea* (Vell.) Presl, Bot. Bemerk. 93. 1845; Gamble, Fl. Pres. Madras 2 : 703. 1957 (repr. ed.). *Bignonia ignea* Vell. Fl. Flum. 244. 1835.

A large climbing shrub, commonly cultivated in gardens. E.

Radermachera xylocarpa (Roxb.) K. Schum. in Engler & Prantl, Pflanzenf. 4(3b) : 243. 1895; Gamble, Fl. Pres. Madras 2 : 702. 1957 (repr. ed.). *Bignonia xylocarpa* Roxb. Fl. Ind. 3 : 108. 1832. *Stereospermum xylocarpum* (Roxb.) Wight, Ic. tt. 1335 & 1336. 1848; Hook.f. Fl. Brit. India 4 : 383. 1884.

Tamil : *Vadencarni, Pathiri, Vedanguruni.*

A large deciduous tree in dry forests.

Distrib.: Coimbatore, Madurai, Kanniyakumari, Nilgiri, Ramanathapuram, Salem, Tirunelveli. E.

Spathodea campanulata Beauv. Fl. Owar. 1 : 47. tt. 27 & 28. 1805; Gamble, Fl. Pres. Madras 2 : 703. 1957 (repr. ed.). *S. nilotica* Seem. in J. Bot. 3 : 333. 1865.

Tamil : *Patadi.*

An introduced ornamental tree with orange scarlet flowers. E.

Stereospermum chelonoides (L. f.) DC. in Biblioth. Universelle Geneve 2. 17 : 125. 1838 & Prodr. 9 : 210. 1845 p.p. quoad basionym. L. f. tantum excl. descr.; Santisuk in Kew Bull. 28 : 176. 1973. *Bignonia chelonoides* L. f. Suppl. Pl. 282. 1781 p.p.

excl. Rheede, Hort. Malab. 6 : 47. t. 26. *Stereospermum suaveolens* (Roxb.) DC. Prodr. 9 : 211. 1845; Wight, Ic. t. 1342. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 382. 1884; Gamble, Fl. Pres. Madras 2 : 701. 1957 (repr. ed.). *Bignonia suaveolens* Roxb. Fl. Ind. 3 : 104. 1832.

Tamil : *Ambuvagina, Padiri, Pumbadiri.*
A large tree, in deciduous forests.

Distrib.: Salem (CAL); Deccan (Gamble 1957). E. R.

Stereospermum colais (Buch. - Ham. ex Dillw.) Mabblerley in Taxon 27 : 553. 1979, var. *colais*. *Bignonia colais* Buch. Ham. ex Dillw. Rev. Hort. Malab. 28. 1839. *Stereospermum tetragonum* DC. Prodr. 9 : 210. 1845; Gamble, Fl. Pres. Madras 2 : 701. 1957 (repr. ed.). *S. chelonoides* sensu Wight, Ic. t. 1341. 1845, non (L. f.) DC. 1838; Clarke in Hook. f. Fl. Brit. India 4 : 382. 1884. *S. personatum* (Hassk.) Chatterjee in Bull. Bot. Soc. Bengal 2 : 70. 1948; Santisuk in Kew Bull. 28 : 178. 1973. *Dipterosperma personatum* Hassk. in Flora 25(2) : Biebl. 28. 1842.

Tamil : *Velapadri, Pombathiri, Ambu.*
A large tree, chiefly in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, North Arcot, Ramanathapuram, Tirunelveli.

Stereospermum colais (Buch. - Ham. ex Dillw.) Mabblerley var. *angustifolium* (Haines) Chandrasekaran comb. nov. *S. chelonoides* var. *angustifolium* Haines, Descr. List Trees South Cir. Cent. Prov. 169. 1916. *S. angustifolia* (Haines) Haines in Kew Bull. 1922 : 121. 1922; Gamble, Fl. Pres. Madras 2 : 702. 1957 (repr. ed.). *S. personatum* (Hassk.) Chatterjee var. *angustifolium* (Haines) Santisuk in Kew Bull. 28 : 181. 1973.

A small tree.

Distrib.: Nilgiri, Tirunelveli.

Tabebuia rosea (Bertol.) DC. Prodr. 9 : 215. 1845. *Tecoma rosea* Bertol. Fl. Guatimal. 25. 1840. *Tabebuia pentaphylla* Hemsl. Biol. Cent. Amer. 2 : 495. 1882, non L. 1763.

An ornamental tree, grown in gardens. E.

Tabebuia serratifolia (Vahl) Nicholson, Ill. Dict. Gard. 4. 1887. *Bignonia serratifolia* Vahl, Ecl. Am. 2 : 46. 1798. *Tecoma serratifolia* (Vahl) G. Don, Gen. Syst. 4 : 224. 1837 - 1838.

A deciduous tree with bright yellow flowers; cultivated. E.

Tecoma mollis H.B.K. Nov. Gen. Sp. 3 : 144. 1819; Matthew in Rec. Bot. Surv. India 20(1) : 174. 1969.

A softly pubescent erect shrub; cultivated in gardens.

Tecoma stans (L.) Kunth in H.B.K. Nov. Gen. Sp. 3 : 144. 1819; Bor & Raiz. Beautif. Ind. Climbers Shrubs 37. t. 9. f. 28. 1954. *Bignonia stans* L. Sp. Pl. ed. 2. 2 : 871. 1763. *Stenolobium stans* (L.) D. Don in Edinburgh Philos. J. 9 : 264. 1823; Gamble, Fl. Pres. Madras 2 : 703. 1957 (repr. ed.).

Tamil : *Sonnappatti, Nagasambagam, Sornappatti.*

A large shrub, cultivated in gardens. E.

Tecomaria capensis (Thunb.) Spach, Hist. Nat. Veg. 9 : 137. 1840. *Bignonia capensis* Thunb. Prodr. Pl. Cap. 105. 1800. *Tecoma capensis* (Thunb.) Lindl. in Edward's Bot. Reg. 13 : t. 1117. 1828.

A straggling shrub, cultivated along hedges.

PEDALIACEAE

M. CHANDRABOSE

Pedallium murex L. Syst. Nat. ed. 10. 1123. 1759; Wight, Ic. t. 1615. 1850;

Clarke in Hook. f. Fl. Brit. India 4 : 386. 1884; Gamble, Fl. Pres. Madras 2 : 704. 1957 (repr. ed.).

Tamil : *Perunerunji*.

A succulent herb.

Distrib. : All districts. E.

Sesamum alatum Thonn. in Schum. & Thonn. Beskr. Guin. Pl. 284. 1827; Ramanujam & Joshi in J. Bombay Nat. Hist. Soc. 52 : 657. 1954; Livingstone et al. in J. Econ. Tax. Bot. 7 : 448. 1985. *S. ekambaramii* Naidu in J. Bombay Nat. Hist. Soc. 51 : 697. 1953.

A herb.

Distrib. : Chengalpattu.

Sesamum indicum L. Sp. Pl. 634. 1753; Wight, Ill. 2 : t. 163. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 387. 1884; Bruce in Fl. Trop. East Africa (Pedaliaceae) 17. 1953; Gamble, Fl. Pres. Madras 2 : 704. 1957 (repr. ed.). *S. orientale* L. Sp. Pl. 634. 1753.

Tamil : *Yellu*.

An erect herb, cultivated. E.

Sesamum laciniatum Klein ex Willd. Sp. Pl. 3 : 359. 1800; Wight, Ic. t. 1345. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 387. 1884; Gamble, Fl. Pres. Madras 2 : 704. 1957 (repr. ed.).

Tamil : *Kattu Ellu*.

A prostrate herb, in dry rocky soil.

Distrib. : Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Pudukkottai, Salem, Tiruchchirappalli.

Sesamum prostratum Retz. Obs. Bot. 4 : 28. 1786; Wight, Ic. t. 1346. 1848; Clarke in Hook. f. Fl. Brit. India 4 : 387. 1884; Gamble, Fl. Pres. Madras 2 : 704. 1957 (repr. ed.).

A trailing herb, in sandy areas.

Distrib. : Chengalpattu, Coimbatore, South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli.

MARTYNIACEAE

M. CHANDRABOSE

Martynia annua L. Sp. Pl. 618. 1753; Gamble, Fl. Pres. Madras 2 : 705. 1957 (repr. ed.). *M. diandra* Gloxin, Obs. 14. t. 1. 1785; Clarke in Hook. f. Fl. Brit. India 4 : 386. 1884.

An erect herb, usually found in waste places.

Distrib. : Almost all districts. E.

ACANTHACEAE

G. R. KUMARI

Acanthus ilicifolius L. Sp. Pl. 639. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 481. 1884; Gamble, Fl. Pres. Madras 2 : 712. 1957 (repr. ed.). *Dilivaria ilicifolia* (L.) Juss. Gen. Pl. 103. 1789; Wight, Ic. t. 459. 1841.

Tamil : *Attumulli*, *Kaludaimulli*, *Kolimulli*.

A gregarious shrub, in tidal forests.

Distrib. : Chengalpattu, South Arcot, Thanjavur, Tiruchchirappalli (RHT). E.

Acanthus mollis L. Sp. Pl. 639. 1753.

An evergreen, thistle-like, glabrous, perennial herb; cultivated.

Andrographis affinis Nees in DC. Prodr. 11 : 517. 1847; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.). *A. neesiana* Wight var. *affinis* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884.

A slender, much-branched undershrub; corolla pale with purple streaks.

Distrib. : Madurai, Nilgiri.

Andrographis alata (Vahl) Nees in DC. Prodr. 11 : 516. 1847; Clarke in Hook. f.

Fl. Brit. India 4 : 502. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.). *Justicia alata* Vahl, Enum. Pl. 1 : 139. 1804.

An erect herb with divaricate branches; corolla white with pink spots.

Distrib.: In most districts.

Andrographis atropurpurea (Dennst.) A. Alston in Taxon 26 : 539. 1977. *Justicia atropurpurea* Dennst. Schluess. Hort. Ind. Malab. 12, 23 & 35. 1818 & in Fortsetz. Allg. Teutsch. Gart.-Mag. 3:31, 40 & 83. 1818. *Andrographis wightiana* Arn. ex Nees in DC. Prodr. 11 : 517. 1847; Wight, Ic. t. 1558. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 503. 1884; Gamble, Fl. Pres. Madras 2 : 734. 1957 (repr. ed.).

A very slender herb, in evergreen forests; corolla pink with reddish purple lower lip.

Distrib.: Coimbatore (Gamble 1957), Nilgiri, Tirunelveli.

Andrographis ceylanica Nees in DC. Prodr. 11 : 518. 1847, non Wight, Ic. t. 1560. 1850. *A. macrobotrys* Nees var. *parviflora* Clarke in Hook. f. Fl. Brit. India 4 : 503. 1884.

A slender erect herb with pinkish flowers.

Distrib.: Tirunelveli.

Andrographis elongata (Vahl) T. And. in J. Linn. Soc. Bot. 9 : 502. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 502. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.). *Justicia elongata* Vahl, Enum. Pl. 1 : 130. 1804.

An erect herb with divaricate branches and inflorescences.

Distrib.: Chengalpattu, Tiruchchirappalli (RHT), Tirunelveli.

Andrographis explicata (Clarke) Gamble, Fl. Pres. Madras 1049. 1924 & 2 : 736. 1957 (repr. ed.). *A. viscosula* Nees var.

explicata Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884. *A. ceylanica* sensu Wight, Ic. t. 1560. 1850, non Nees 1847.

An erect herb.

Distrib.: Coimbatore and Nilgiri (Clarke 1884), Tirunelveli (CAL).

Andrographis lawsonii Gamble in Kew Bull. 1923 : 375. 1923 & Fl. Pres. Madras 2 : 736. 1957 (repr. ed.).

An undershrub with erect branches; flowers apparently brownish purple.

Distrib.: Nilgiri.

Andrographis lineata Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 116. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.).

An erect herb; corolla pale with purple blotches.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Andrographis lobelioides Wight, Ill. 2 : t. 164 b. f. 11. 1850, var. *lobelioides*; Clarke in Hook. f. Fl. Brit. India 4 : 505. 1884; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.).

A much-branched procumbent herb with woody rootstock; corolla white, streaked with red.

Distrib.: Nilgiri. O.

Andrographis lobelioides Wight var. *composita* Clarke in Hook. f. Fl. Brit. India 4 : 505. 1884.

A herb with terminal panicles.

Distrib.: Tirunelveli (Clarke 1884).

Andrographis macrobotrys Nees in DC. Prodr. 11 : 516. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 503. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.)

A somewhat pubescent herb, in evergreen forests; corolla pink with dark purple-red blotches.

Distrib.: Coimbatore, Madurai (CAL), Nilgiri.

Andrographis neesiana Wight, Ic. t. 1561. 1850, var. *neesiana*; Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.).

An erect herb with brownish purple flowers, along stream banks and margins of sholas.

Distrib.: In most of the districts.

Andrographis neesiana Wight var. **producta** Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884. *A. producta* (Clarke) Gamble, Fl. Pres. Madras 1049. 1924 & 2 : 735. 1957 (repr. ed.).

An erect herb.

Distrib.: Madurai, Nilgiri, Tirunelveli (Gamble 1957).

Andrographis neesiana Wight var. **rotundifolia** Sreemadh. in Bull. Bot. Surv. India 8 : 91. 1966.

An erect herb, stems profusely branched.

Distrib.: Coimbatore. O.

Andrographis ovata (T. And. ex Bedd.) Benth. ex Clarke in Hook. f. Fl. Brit. India 4 : 502. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.). *Gymnostachyum ovatum* T. And. ex Bedd. Ic. t. 250. 1868 - 1874.

A rather tall herb; stems glandular-pubescent; flowers pink.

Distrib.: Salem.

Andrographis paniculata (Burm. f.) Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 116. 1832; Wight, Ic. t. 518. 1842; Clarke in Hook. f. Fl. Brit. India 4 : 501. 1884; Gamble, Fl. Pres. Madras 2 : 734. 1957

(repr. ed.). *Justicia paniculata* Burm. f. Fl. Ind. 9. 1768.

Tamil: *Nelavemu*.

An erect herb, in dry forest undergrowth.

Distrib.: In most of the districts. E.

Andrographis rothii Clarke in Hook. f. Fl. Brit. India 4 : 506. 1884; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.).

A straggling undershrub; flowers pale yellow with large purple blotches.

Distrib.: Tirunelveli. O.

Andrographis serpyllifolia (Rottl. ex Vahl) Wight, Ic. t. 517. 1842; Clarke in Hook. f. Fl. Brit. India 4 : 506. 1884; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.). *Justicia serpyllifolia* Rottl. ex Vahl, Enum. Pl. 1 : 169. 1804.

A trailing procumbent herb; flowers pale with purple blotches.

Distrib.: In most of the districts.

Andrographis stellulata Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884; Gamble, Fl. Pres. Madras 2 : 735. 1957 (repr. ed.).

An erect herb; corolla pale pink with purple spots.

Distrib.: Madurai, Nilgiri.

Andrographis stenophylla Clarke in Hook. f. Fl. Brit. India 4 : 503. 1884; Gamble, Fl. Pres. Madras 2 : 734. 1957 (repr. ed.).

An erect glabrous undershrub; corolla pale with dark red stripes.

Distrib.: Coimbatore. O.

Andrographis viscosula Nees in Wall. Pl. Asiat. Rar. 3 : 116. 1832; Wight, Ic. t. 1559. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 504. 1884; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.).

A much-branched woody undershrub; corolla apparently lilac with few dark streaks.

Distrib.: Madurai, Ramanathapuram, Tirunelveli.

Aphelandra deppeana Schlecht. & Cham. in *Linnaea* 5 : 96. 1830; Wasshausen in *Smithsonian Contr. Bot.* 18 : 42. 1975. *A. pectinata* Willd. ex Nees in DC. *Prodr.* 11 : 297. 1847.

Cultivated in gardens.

Asystasia chelonoides Nees in Wall. *Pl. Asiat. Rar.* 3 : 89. 1832; Clarke in Hook. f. *Fl. Brit. India* 4 : 493. 1884. *A. chelonoides* Nees var. *quadrangularis* Clarke in Hook. f. *Fl. Brit. India* 4 : 494. 1884; Gamble, *Fl. Pres. Madras* 2 : 744. 1957 (repr. ed.).

A straggling herb with membranous leaves.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Tirunelveli.

Asystasia crispata Benth. in *Linnaea* 24 : 647. 1851; Clarke in Hook. f. *Fl. Brit. India* 4 : 494. 1884; Fyson, *Fl. South Indian Hill St.* 2 : t. 394. 1932; Gamble, *Fl. Pres. Madras* 2 : 745. 1957 (repr. ed.).

A branched herbaceous undershrub, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli.

Asystasia dalzelliana Sant. in *Kew Bull.* 1948 : 276. 1948. *A. violacea* Dalz. ex Clarke in Hook. f. *Fl. Brit. India* 4 : 494. 1884, non Dalz. 1850; Gamble, *Fl. Pres. Madras* 2 : 745. 1957 (repr. ed.).

An erect herb.

Distrib.: In most districts.

Asystasia gangetica (L.) T. And. in *Thw. Enum. Pl. Zeyl.* 235. 1860; Gamble,

Fl. Pres. Madras 2 : 744. 1957 (repr. ed.). *Justicia gangetica* L. *Cent. Pl.* 2 : 3. 1756. *Asystasia coromandeliana* Wight ex Nees in Wall. *Pl. Asiat. Rar.* 3 : 89. 1832; Wight, *lc. t.* 1506. 1850; Clarke in Hook. f. *Fl. Brit. India* 4 : 493. 1884.

A straggling, often somewhat climbing, perennial herb with white, blue, purple or yellow flowers.

Distrib.: Almost all districts. E.

Asystasia travancorica Bedd. *lc. t.* 178. 1868-1874; Clarke in Hook. f. *Fl. Brit. India* 4 : 494. 1884; Gamble, *Fl. Pres. Madras* 2 : 745. 1957 (repr. ed.).

A large shrub.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli. E.

Barleria acuminata Nees in Wall. *Pl. Asiat. Rar.* 3 : 93. 1832; Wight, *lc. t.* 450. 1841; Gamble, *Fl. Pres. Madras* 2 : 742. 1957 (repr. ed.). *B. tomentosa* Roth var. *acuminata* (Nees) Clarke in Hook. f. *Fl. Brit. India* 4 : 485. 1884.

A low shrub with apparently blue flowers.

Distrib.: Most districts.

Barleria buxifolia L. *Sp. Pl.* 636. 1753; Wight, *lc. t.* 870. 1844-1845; Clarke in Hook. f. *Fl. Brit. India* 4 : 483. 1884; Gamble, *Fl. Pres. Madras* 2 : 742. 1957 (repr. ed.).

A small, very prickly, hairy shrub with pink or white flowers, chiefly on roadsides and in wastelands.

Distrib.: Most districts. E.

Barleria courtallica Nees in DC. *Prodr.* 11 : 226. 1847; Wight, *lc. t.* 1529. 1850; Clarke in Hook. f. *Fl. Brit. India* 4 : 489. 1884; Gamble, *Fl. Pres. Madras* 2 : 743. 1957 (repr. ed.).

A shrub with large blue flowers, in evergreen forests.

Distrib.: Kanniyakumari, Nilgiri, Tirunelveli. E.

Barleria cristata L. Sp. Pl. 636. 1753; Wight, Ic. t. 453. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 488. 1884; Gamble, Fl. Pres. Madras 2 : 743. 1957 (repr. ed.).

Tamil; *Mulkanagambaram, Kattukkanagambaram.*

A hairy undershrub, usually with blue, sometimes with pink or white flowers; sometimes cultivated.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tiruchchirappalli (RHT). E.

Barleria cuspidata Heyne ex Nees in Wall. Pl. Asiat. Rar. 3 : 93. 1832; Wight, Ic. t. 451. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 483. 1884; Gamble, Fl. Pres. Madras 2 : 741. 1957 (repr. ed.).

A small, very prickly shrub with white, yellow or fawn-coloured flowers, in dry areas.

Distrib.: In most districts.

Barleria gibsonii Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 339. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 487. 1884; Gamble, Fl. Pres. Madras 2 : 743. 1957 (repr. ed.).

A glabrous undershrub with pink flowers.

Distrib.: Coimbatore. E.

Barleria involucrata Nees var. *elata* (Dalz.) Clarke in Hook. f. Fl. Brit. India 4 : 486. 1884; Fyson, Fl. South Indian Hill St. 2 : t. 393. 1932; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.). *B. elata* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 227. 1851.

A handsome shrub with large blue flowers, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Barleria longiflora L. f. Suppl. Pl. 290. 1781; Clarke in Hook. f. Fl. Brit. India 4 : 485. 1884; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.).

A shrub with very long white flowers, especially on dry rocky hills.

Distrib.: In most districts.

Barleria montana Nees in Wall. Pl. Asiat. Rar. 3 : 92. 1832, non sensu Bedd. 1868-1874 quae est *B. prattensis* Sant.; Clarke in Hook. f. Fl. Brit. India 4 : 487. 1884; Gamble, Fl. Pres. Madras 2 : 743. 1957 (repr. ed.).

An undershrub with blue flowers.

Distrib.: Chengalpattu and Coimbatore (Gamble 1957), Madurai (CAL). E.

Barleria mysorensis Heyne ex Roth, Nov. Pl. Sp. 313. 1821; Clarke in Hook. f. Fl. Brit. India 4 : 484. 1884; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.).

A small, prickly shrub with blue flowers, in dry places.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Barleria nitida Nees in Wall. Pl. Asiat. Rar. 3 : 91. 1832; Wight, Ic. t. 454. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 490. 1884; Gamble, Fl. Pres. Madras 2 : 743. 1957 (repr. ed.).

A small herb with blue flowers.

Distrib.: Madurai, Nilgiri (Clarke 1884), Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Barleria noctiflora L. f. Suppl. Pl. 290. 1781; Clarke in Hook. f. Fl. Brit. India 4 : 484. 1884; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.).

A small prickly shrub, chiefly in somewhat hilly places and in dry wastelands.

Distrib.: In most of the districts. E.

Barleria paniculata Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 92. 1832; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.). *B. tomentosa* sensu Clarke in Hook. f. Fl. Brit. India 4 : 485. 1884 p.p., non Roth 1821.

A shrub with rose pink flowers.

Distrib.: Nilgiri, Tiruchchirappalli (RHT).

Barleria pilosa Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 93. 1832; Bedd. Ic. t. 256. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 486. 1884; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.).

A small, softly pilose undershrub with sky-blue flowers.

Distrib.: Chengalpattu, Tiruchchirappalli (RHT), Tirunelveli.

Barleria prattensis Sant. in Kew Bull. 1948; 487. 1949. *B. montana* sensu Bedd. Ic. t. 257. 1868-1874, non Nees 1832.

An undershrub with purple or rosy purple flowers.

Distrib.: Coimbatore (K).

Barleria prionitis L. Sp. Pl. 636. 1753; Wight, Ic. t. 452. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 482. 1884; Gamble, Fl. Pres. Madras 2 : 741. 1957 (repr. ed.).

Tamil: *Kodippachalai*, *Kovindam*, *Shemmali*.

A prickly shrub with yellow or sometimes whitish flowers in wastelands and on roadsides; sometimes planted on hedges.

Distrib.: Almost all districts. E.

Barleria strigosa Willd. Sp. Pl. 3 : 379. 1800; Clarke in Hook. f. Fl. Brit. India

4 : 498. 1884; Gamble, Fl. Pres. Madras 2 : 743. 1957 (repr. ed.).

Tamil: *Nilambaram*.

A shrub with large blue flowers, in forest undergrowth.

Distrib.: Madurai. E.

Barleria tomentosa Roth, Nov. Pl. Sp. 314. 1821, var. *tomentosa*; Clarke in Hook. f. Fl. Brit. India 4 : 485. 1884 p.p.; Gamble, Fl. Pres. Madras 2 : 742. 1957 (repr. ed.).

A low shrub.

Distrib.: Coimbatore, Nilgiri.

Barleria tomentosa Roth var. *glandulosa* Fischer in Rec. Bot. Surv. India 9 (1) : 135. 1921.

A shrub with glandular hairs except on the corolla.

Distrib.: Coimbatore (Fischer 1921).

Barleria vestita T. And. in Thw. Enum. Pl. Zeyl. 230. 1860; Bedd. Ic. t. 263. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 486. 1884; Sundararaj in J. Bombay Nat. Hist. Soc. 53 : 524. 1956.

A herb with stout, hirsute stems.

Distrib.: Nilgiri.

Blepharis maderaspatensis (L.) Heyne ex Roth, Nov. Pl. Sp. 320. 1821. *Acanthus maderaspatensis* L. Sp. Pl. 639. 1753. *Blepharis boerhaviaefolia* Pers. Syn. 2 : 180. 1806, "*boerhaviaefolia*"; Wight, Ic. t. 458. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 478. 1884; Gamble, Fl. Pres. Madras 2 : 712. 1957 (repr. ed.).

A prostrate, wiry undershrub with pale blue or pink flowers, in dry areas but usually in shady places.

Distrib.: Almost all districts.

Blepharis repens (Vahl) Roth, Nov. Pl. Sp. 321. 1821. *Acanthus repens* Vahl,

Symb. Bot. 2 : 76. 1791. *Blepharis molluginifolia* Pers. Syn. 2 : 180. 1806; Clarke in Hook. f. Fl. Brit. India 4 : 479. 1884; Gamble, Fl. Pres. Madras 2 : 712. 1957 (repr. ed.).

A prostrate wiry herb with small blue flowers, on dry stony lands or sandy places near the sea.

Distrib.: In most of the districts.

***Crossandra infundibuliformis* (L.) Nees** in Wall. Pl. Asiat. Rar. 3 : 98. 1832; Wight, Ic. t. 461. 1841. *Justicia infundibuliformis* L. Sp. Pl. 21. 1753. *Crossandra undulaefolia* Salisb. in W. Hooker, Parad. Lond. t. 12. 1805; Clarke in Hook. f. Fl. Brit. India 4 : 492. 1884; Gamble, Fl. Pres. Madras 2 : 739. 1957 (repr. ed.).

Tamil: *Pavalakkurinja*, *Sagasari*, *Kanakambaram*.

An undershrub with orange yellow flowers, in open forest lands; commonly cultivated in gardens. E.

***Dicliptera cuneata* Nees** in Wall. Pl. Asiat. Rar. 3 : 111. 1832; Wight, Ic. t. 1552. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 552. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.).

A branched herb with pink flowers.

Distrib.: Almost all districts.

***Dicliptera foetida* (Forssk.) Blatter** in Rec. Bot. Surv. India 8 : 361. 1921; Wood et al. in Kew Bull. 38 : 453. 1983. *Justicia foetida* Forssk. Fl. Aeg. - Arab. 5. 1775. *Dicliptera zeylanica* Nees in DC. Prodr. 11 : 474. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 552. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.). *D. bivalvis* Nees in DC. Prodr. 11 : 475. 1847; Wight, Ic. t. 1551. 1850.

A herb with rose-coloured flowers, in evergreen forests.

Distrib.: Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

***Dicliptera verticillata* (Forssk.) Christensen** in Dansk Bot. Ark. 4 : 11. 1923. *Dianthera verticillata* Forssk. Fl. Aeg.-Arab. 9. 1775. *Dicliptera micranthes* Nees in Wall. Pl. Asiat. Rar. 3 : 112. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 553. 1885.

A herb; flowers in axillary whorls.

Distrib.: Nilgiri.

***Didyplosandra andersonii* (Bedd.) Bremek.** in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes andersonii* Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 55. 1864 & Ic. t. 208. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 450. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.).

A very large shrub with pale blue flowers, in moist forests.

Distrib.: Coimbatore.

***Didyplosandra bolampattiana* (Bedd.) Bremek.** in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 177. 1944. *Strobilanthes bolampattianus* Bedd. Ic. t. 200. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 451. 1884; Gamble, Fl. Pres. Madras 2 : 731. 1957 (repr. ed.).

A large shrub with brown flowers, in moist forests.

Distrib.: Coimbatore. E.

***Didyplosandra lurida* (Wight) Bremek.** in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 178. 1944, var. *lurida*. *Strobilanthes luridus* Wight, Ic. tt. 1515 & 1516. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 450. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.).

A large, straggling gregarious shrub with thick stems and branches.

Distrib.: Coimbatore, Madurai, Nilgiri.

Didyplosandra lurida (Wight) Bremek. var. *bourneae* (Gamble) Ellis in Biol. Mem. 2 (1 & 2) : 106. 1977. *Strobilanthes luridus* Wight var. *bourneae* Gamble in Kew Bull. 1923 : 374. 1923 & Fl. Pres. Madras 2 : 731. 1957 (repr. ed.).

A large straggling gregarious shrub; bracts, bracteoles and calyx glandular hairy.

Distrib.: Madurai, Nilgiri.

Difflugossa colorata (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 237. 1944. *Goldfussia colorata* Nees in Wall. Pl. Asiat. Rar. 3 : 89. 1832 & in DC. Prodr. 11. 176. 1847. *Strobilanthes colorata* (Nees) T. And. in J. Linn. Soc. Bot. 9 : 481. 1867, non *S. colorata* Nees 1847; Clarke in Hook. f. Fl. Brit. India 4 : 473. 1884.

Cultivated.

Diotacanthus albiflorus (Bedd.) Benth. in Benth. & Hook. f. Gen. Pl. 2 : 1101. 1876; Clarke in Hook. f. Fl. Brit. India 4 : 515. 1885; Gamble, Fl. Pres. Madras 2 : 739. 1957 (repr. ed.). *Phlogacanthus albiflorus* Bedd. Ic. t. 180. 1868-1874.

A shrub, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli.

Diotacanthus grandis (Bedd.) Benth. ex Clarke in Hook. f. Fl. Brit. India 4 : 515. 1885; Gamble, Fl. Pres. Madras 2 : 739. 1957 (repr. ed.). *Phlogacanthus grandis* Bedd. Ic. t. 179. 1868-1874.

A large shrub, in dense moist forests.

Distrib.: Kanniyakumari, Tirunelveli.

Dipteracanthus patulus (Jacq.) Nees in Wall. Pl. Asiat. Rar. 3 : 82. 1832;

Wight, Ic. t. 1505. 1850. *Ruellia patula* Jacq. Misc. 2 : 358. 1781; Clarke in Hook. f. Fl. Brit. India 4 : 412. 1884; Gamble, Fl. Pres. Madras 2 : 714. 1957 (repr. ed.).

A small undershrub, in wastelands and on roadsides.

Distrib.: In most districts.

Dipteracanthus prostratus (Poir.) Nees in Wall. Pl. Asiat. Rar. 3 : 81. 1832. *Ruellia prostrata* Poir. in Lam. Encycl. 6 : 349. 1804; Bedd. Ic. t. 282. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 411. 1884; Gamble, Fl. Pres. Madras 2 : 714. 1957 (repr. ed.). *R. prostrata* Poir. var. *dejecta* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 412. 1884. *Dipteracanthus dejectus* Nees in Wall. Pl. Asiat. Rar. 3 : 82. 1832.

Tamil: *Pottakanchi*.

A diffuse undershrub, in dry places and in gardens.

Distrib.: Almost all districts.

Dyschoriste madurensis (Burm. f.) Kuntze, Rev. Gen. Pl. 1 : 486. 1891. *Justicia madurensis* Burm. f. Fl. Ind. 9. t. 4. f. 3. 1768. *Dyschoriste littoralis* (L. f.) Nees in Wall. Pl. Asiat. Rar. 3 : 81. 1832; Wight, Ic. t. 447. 1841; Gamble, Fl. Pres. Madras 2 : 718. 1957 (repr. ed.). *Ruellia littoralis* L. f. Suppl. Pl. 289. 1781. *Calophanes littoralis* (L. f.) T. And. in Thw. Enum. Pl. Zeyl. 225. 1860.

An undershrub with divaricate branches, along the coast on dry sand, also inland in arid regions.

Distrib.: Chengalpattu, Coimbatore.

Dyschoriste nagchana (Nees) Bennet in Indian Forester 109 : 220. 1983. *Dipteracanthus nagchana* Nees in Wall. Pl. Asiat. Rar. 3 : 82. 1832. *Calophanes nagchana* (Nees) in DC. Prodr. 11 : 109. 1847; Clarke in Hook. f. Fl. Brit. India

4 : 410. 1884. *Dyschoriste depressa* Nees in Wall. Pl. Asiat. Rar. 3 : 81. 1832; Gamble, Fl. Pres. Madras 2 : 718. 1957 (repr. ed.).

A trailing herb with small violet pink flowers, in dry places.

Distrib.: Chengalpattu, Coimbatore, Salem.

Dyschoriste vagans (Wight) Kuntze, Rev. Gen. Pl. 1 : 486. 1891; Gamble, Fl. Pres. Madras 2 : 718. 1957 (repr. ed.). *Calophanes vagans* Wight, Ic. t. 1526. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 411, 1884.

A slender diffuse herb, straggling among bushes in undergrowth of deciduous forests.

Distrib.: Chengalpattu (CAL), Coimbatore, Madurai.

Ecbolium viride (Forssk.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 229. 1931, var. *viride*. *Justicia viridis* Forssk. Fl. Aeg.-Arab. 5. 1775. *Ecbolium linneanum* Kurz in J. Asiat. Soc. Bengal 40 : 75. 1871; Clarke in Hook. f. Fl. Brit. India 4 : 544. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.). *Justicia ecbolium* L. Sp. Pl. 15. 1753; Wight, Ic. t. 463. 1841.

Tamil: Nilambari.

A low shrub with bluish-green corolla.

Distrib.: In most of the districts. E.

Ecbolium viride (Forssk.) Alston var. *dentata* (Klein ex Link) Raizada in Indian Forester 84 : 482. 1958. *Justicia dentata* Klein ex Link, Jahrb. 1 (3) : 48. 1820. *J. livida* Nees in DC. Prodr. 11 : 427. 1847; Wight, Ic. t. 1546. 1850. *Ecbolium linneanum* Kurz var. *dentata* (Klein ex Link) Clarke in Hook. f. Fl. Brit. India 4 : 545. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.).

A woody undershrub, mostly in forest areas.

Distrib.: Chengalpattu, Coimbatore.

Ecbolium viride (Forssk.) Alston var. *laetevirens* (Vahl) Raizada in Indian Forester 84 : 482. 1958. *Justicia laetevirens* Vahl, Enum. Pl. 1 : 118. 1804. *Ecbolium linneanum* Kurz var. *laetevirens* (Vahl) Clarke in Hook. f. Fl. Brit. India 4 : 545. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.).

A common low shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Ecbolium viride (Forssk.) Alston var. *rotundifolia* (Nees) Raizada in Indian Forester 84 : 482. 1958. *Justicia rotundifolia* Nees in Wall. Pl. Asiat. Rar. 3 : 108. 1832. *Ecbolium linneanum* Kurz var. *rotundifolia* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 545. 1885; Gamble, Fl. Pres. Madras 2 : 752. 1957 (repr. ed.).

A woody undershrub.

Distrib.: Coimbatore. O.

Elytraria acaulis (L. f.) Lindau in Engler & Prantl, Pflanzenf. 1 : 304. 1897; Gamble, Fl. Pres. Madras 2 : 709. 1957 (repr. ed.). *Justicia acaulis* L. f. Suppl. Pl. 84. 1781. *Elytraria crenata* Vahl, Enum. Pl. 1 : 106. 1804; Clarke in Hook. f. Fl. Brit. India 4 : 394. 1884.

A scapigerous herb, in grassy lands and open forest undergrowth.

Distrib.: Almost all districts. E.

This genus is sometimes included in the family Scrophulariaceae by some workers.

Eranthemum capense L. Sp. Pl. 9. 1753, var. *capense*. *E. montanum* Roxb. Fl. Ind. 1 : 100. 1820; Wight, Ic. t. 466. 1841;

Gamble, Fl. Pres. Madras 2 : 720. 1957 (repr. ed.). *Daedalacanthus montanus* (Roxb.) T. And. in Thw. Enum. Pl. Zeyl. 229. 1860; Clarke in Hook. f. Fl. Brit. India 4 : 421. 1884.

A small shrub, in deciduous forests.

Distrib.: In most of the districts.

Eranthemum capense* L. var. *concanensis (T. And. ex Clarke) Sant. in Bot. Mem. Univ. Bombay 2 : 34. 1951. *Daedalacanthus montanus* (Roxb.) T. And. var. *concanensis* T. And. ex Clarke in Hook. f. Fl. Brit. India 4 : 421. 1884. *Eranthemum montanum* Roxb. var. *concanense* (T. And. ex Clarke) Gamble, Fl. Pres. Madras 1025. 1924 & 2 : 720. 1957 (repr. ed.).

A small shrub.

Distrib.: Coimbatore.

***Eranthemum nervosum* (Vahl) R. Br.** ex Roem. & Schultes, Syst. 1 : 174. 1817; Gamble, Fl. Pres. Madras 2 : 719. 1957 (repr. ed.). *Justicia nervosa* Vahl, Enum. Pl. 1 : 164. 1804. *Daedalacanthus nervosus* (Vahl) T. And. in J. Linn. Soc. Bot. 9 : 487. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 418. 1884.

A shrub, sometimes cultivated in gardens.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli (Gamble 1957).

***Eranthemum purpurascens* Nees in Wall.** Pl. Asiat. Rar. 3 : 106. 1832; Gamble, Fl. Pres. Madras 2 : 719. 1957 (repr. ed.). *Daedalacanthus purpurascens* (Nees) T. And. in J. Linn. Soc. Bot. 9 : 488. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 420. 1884. *Justicia pulchella* Roxb. Pl. Cor. t. 177. 1805, non *Eranthemum pulchellum* And. 1800.

A shrubby plant, in deciduous forest undergrowth.

Distrib.: Salem.

***Eranthemum roseum* (Vahl) R. Br.** Prodr. 477. 1810; Gamble, Fl. Pres. Madras 2 : 719. 1957 (repr. ed.). *Justicia rosea* Vahl, Enum. Pl. 1 : 165. 1804. *Daedalacanthus roseus* (Vahl) T. And. in J. Linn. Soc. Bot. 9 : 487. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 419. 1884.

A shrub with rose-coloured or blue flowers; cultivated.

***Gendarussa vulgaris* Nees in Wall.** Pl. Asiat. Rar. 3 : 104. 1832; Wight, Ic. t. 468. 1841. *Justicia gendarussa* Burm. f. Fl. Ind. 10. 1768; Clarke in Hook. f. Fl. Brit. India 4 : 532. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.).

Tamil : *Karunochchi, Vadaikkuthi*.

An erect undershrub, cultivated and frequently runs wild; corolla white or rose with purple spots.

***Gendarussa wynaadensis* Nees in Wall.** Pl. Asiat. Rar. 3 : 105. 1832. *Adhatoda wynaadensis* (Nees) Nees in DC. Prodr. 11 : 406. 1847; Wight, Ic. t. 1545. 1850. *Justicia wynaadensis* (Nees) Heyne ex T. And. in J. Linn. Soc. Bot. 9 : 515. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 533. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.).

An erect undershrub.

Distrib.: Coimbatore, Nilgiri.

***Goldfussia isophylla* Nees in Wall.** Pl. Asiat. Rar. 3 : 88. 1832. *Strobilanthes isophylla* (Nees) T. And. in Cat. Pl. Hort. Bot. Calc. 43. 1865.

Cultivated.

***Goldfussia tristis* Wight, Ic. t. 1508.** 1850. *Strobilanthes tristis* (Wight) T. And. in J. Linn. Soc. Bot. 9 : 470. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 441. 1884; Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.).

An erect shrub with pale blue flowers, in evergreen forests.

Distrib.: Coimbatore (CAL), Madurai, Nilgiri, Tirunelveli.

Graptophyllum pictum (L.) Griff. Not. Pl. Asiat. 4 : 139. 1854. *Justicia picta* L. Sp. Pl. ed. 2. 1 : 21. 1762. *Graptophyllum hostense* Nees in Wall. Pl. Asiat. Rar. 3 : 102. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 545. 1885; Gamble, Fl. Pres. Madras 2 : 759. 1957 (repr. ed.).

A shrub, cultivated in gardens. E.

Gymnostachyum canescens (Nees) T. And. in J. Linn. Soc. Bot. 9 : 505. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 509. 1884; Gamble, Fl. Pres. Madras 2 : 738. 1957 (repr. ed.). *Cryptophragmium canescens* Nees in Wall. Pl. Asiat. Rar. 3 : 100. 1832; Wight, Ic. t. 1495. 1849.

A glandular-hairy shrub, in evergreen forests; flowers green and yellow.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Gymnostachyum ceylanicum Arn. ex Nees in DC. Prodr. 9 : 93. 1847; Bedd. Ic. t. 265. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 508. 1885; Bhargavan & Ramachandran in J. Econ. Tax. Bot. 5 : 445. 1984.

A scapigerous herb with elliptic - lanceolate leaves; flowers with purple tube and greenish - yellow limb.

Distrib.: Nilgiri.

Gymnostachyum latifolium (Dalz.) T. And. in J. Linn. Soc. Bot. 9 : 505. 1867; Bedd. Ic. t. 253. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 509. 1884; Gamble, Fl. Pres. Madras 2 : 738. 1957 (repr. ed.). *Cryptophragmium latifolium* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 137. 1850.

A glabrous undershrub with greenish yellow flowers.

Distrib.: Nilgiri.

Haplanthodes neilgherryensis (Wight) Majumdar in Bull. Bot. Soc. Bengal 25 : 76. 1971. *Haplanthus neilgherryensis* Wight, Ic. t. 1556. 1850; Gamble, Fl. Pres. Madras 2 : 737. 1957 (repr. ed.). *H. tentaculatus* Nees var. *neilgherryensis* (Wight) Clarke in Hook. f. Fl. Brit. India 4 : 507. 1884.

An erect herbaceous plant; corolla light blue.

Distrib.: Coimbatore, Nilgiri (Clarke 1884).

Haplanthodes verticillatus (Roxb.) Majumdar in Bull. Bot. Soc. Bengal 25 : 76. 1971. *Justicia verticillata* Roxb. Fl. Ind. 1 : 135. 1820. *Haplanthus verticillata* (Roxb.) Nees in DC. Prodr. 11 : 513. 1847, "verticillaris"; Clarke in Hook. f. Fl. Brit. India 4 : 506. 1884; Gamble, Fl. Pres. Madras 2 : 737. 1975 (repr. ed.).

A herb; corolla dark lilac with darker lines.

Distrib.: Coimbatore (CAL).

Hemigraphis latebrosa (Heyne ex Roth) Nees in DC. Prodr. 11 : 723. 1847; Wight, Ic. t. 1504. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 423. 1884; Gamble, Fl. Pres. Madras 2 : 715. 1957 (repr. ed.). *Ruellia latebrosa* Heyne ex Roth, Nov. Pl. Sp. 307. 1821.

Softly pubescent straggling undershrub; flowers blue with yellowish white tube.

Distrib.: Coimbatore (CAL).

Hygrophila auriculata (Schum.) Heine in Kew Bull. 16 : 172. 1962. *Barleria auriculata* Schum. in Schum. & Thonn. Beskr. Guin. Pl. 285. 1827. *Asteracantha longifolia* (L.) Nees in Wall. Pl. Asiat. Rar. 3 : 90. 1832; Wight, Ic. t. 449. 1841;

Gamble, Fl. Pres. Madras 2 : 712. 1957 (repr. ed.). *Barleria longifolia* L. Cent. Pl. 2 : t. 22. 1756, non *Hygrophila longifolia* Nees 1847. *Hygrophila spinosa* T. And. in Thw. Enum. Pl. Zeyl. 225. 1860; Clarke in Hook. f. Fl. Brit. India 4 : 408. 1884.

Tamil : *Neremulli*, *Nirmuli*.

A tall, thorny, hispid herb, in wet places, rice fields and margins of tanks.

Distrib.: All districts.

Hygrophila balsamica (L.f.) Rafin. Fl. Tellur. 4 : 66. 1838. *Ruellia balsamica* L. f. Suppl. Pl. 289. 1781. *Adenosma balsamica* (L.f.) Spreng. Syst. Veg. 2 : 829. 1825; Wight, Ic. t. 446. 1841. *Cardanthera balsamica* (L. f.) Benth. ex Clarke in Hook. f. Fl. Brit. India 4 : 404. 1884. *C. verticillata* (Nees) Benth. ex Clarke in Hook. f. Fl. Brit. India 4 : 404. 1884; Gamble, Fl. Pres. Madras 2 : 711. 1957 (repr. ed.). *Adenosma verticillata* Nees in Wall. Pl. Asiat. Rar. 3 : 79. 1832.

An erect or decumbent branched annual herb, commonly found in rice fields.

Distrib.: In most of the districts.

Hygrophila heinei Sreemadh. in Bull. Bot. Surv. India 10 : 223. 1968. *Cardanthera uliginosa* Buch. - Ham. in DC. Prodr. 11 : 69. 1847, non *Hygrophila uliginosa* S. Moore 1880; Clarke in Hook. f. Fl. Brit. India 4 : 403. 1884; Gamble, Fl. Pres. Madras 2 : 711. 1957 (repr. ed.).

An erect or decumbent branched annual herb.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore (CAL), Pudukkottai (RHT), Thanjavur. E.

Hygrophila quadrivalvis (Buch. - Ham.) Nees in Wall. Pl. Asiat. Rar. 3 : 80. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 408. 1884; Gamble, Fl. Pres. Madras 2 : 714.

1957 (repr. ed.). *Ruellia quadrivalvis* Buch. - Ham. in Trans. Linn. Soc. London 14 : 291. 1824. *Hygrophila obovata* sensu Wight, Ic. t. 1489. 1849, non Nees 1832.

An erect herb, in swampy places.

Distrib.: Coimbatore (FRC), Tiruchchirappalli.

Hygrophila salicifolia (Vahl) Nees in Wall. Pl. Asiat. Rar. 3 : 81. 1832; Wight, Ic. t. 1490. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 407. 1884. *Ruellia salicifolia* Vahl, Symb. Bot. 3 : 84. 1794. *Hygrophila angustifolia* Cooke, Fl. Pres. Bombay 2 : 354. 1904, non R. Br. 1810; Gamble, Fl. Pres. Madras 2 : 713. 1957 (repr. ed.).

An erect herb, usually rooting at lower nodes, found in swampy places and along streams.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Hygrophila serpyllum (Nees) T. And. in J. Linn. Soc. Bot. 9 : 456. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 406. 1884; Gamble, Fl. Pres. Madras 2 : 713. 1957 (repr. ed.). *Physichilus serpyllum* Nees in Companion Bot. Mag. 2 : 311. 1837; Wight, Ic. t. 1493. 1849.

A small branched herb; leaves variable.

Distrib.: Chengalpattu (PCM).

Indoneesiella echioides (L.) Sreemadh. in Phytologia 16 : 466. 1968. *Justicia echioides* L. Sp. Pl. 16. 1753. *Andrographis echioides* (L.) Nees in Wall. Pl. Asiat. Rar. 3 : 117. 1832; Wight, Ic. t. 467. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 505. 1884; Gamble, Fl. Pres. Madras 2 : 736. 1957 (repr. ed.).

An erect herb with white villous hairs, corolla pink or white with purple blotches on the lower lip.

Distrib.: Almost all districts.

Indoneesiella longipedunculata (Sreemadh.) Sreemadh. in *Phytologia* 16 : 466. 1968 *Neesiella longipedunculata* Sreemadh. in *Phytologia* 15 : 271. 1967.

An erect herb with white villous hairs, flowers deep purple inside.

Distrib.: North Arcot, Salem.

Justicia adhatoda L. Sp. Pl. 15. 1753; Stearn in *J. Arnold Arb.* 52 : 640. 1971. *Adhatoda zeylanica* Medic. in *Hist. & Commentat. Acad. Elect. Sci. Theod. - Palat.* 6 : 393. 1790. *A. vasica* Nees in *Wall. Pl. Asiat. Rar.* 3 : 103. 1832; Clarke in *Hook. f. Fl. Brit. India* 4 : 540. 1885; Gamble, *Fl. Pres. Madras* 2 : 758. 1957 (repr. ed.).

Tamil : *Adatoda*.

A shrub with foetid smell, cultivated and often run wild; flowers white, throat barred with red or yellow. E.

Justicia beddomei (Clarke) Bennet in *Indian J. For.* 5 : 326. 1982. *Adhatoda beddomei* Clarke in *Hook. f. Fl. Brit. India* 4 : 540. 1885; Gamble, *Fl. Pres. Madras* 2 : 758. 1957 (repr. ed.); Ellis in *Bull. Bot. Surv. India* 20 : 172. 1978. *Justicia gingiana* Sebastine & Ramam. in *Bull. Bot. Surv. India* 6 : 99. 1964 (1965).

A large shrub with small flowers in short heads.

Distrib.: Coimbatore (FRC), South Arcot, Kanniyakumari.

Justicia betonica L. Sp. Pl. 15. 1753; Clarke in *Hook. f. Fl. Brit. India* 4 : 525. 1885; Gamble, *Fl. Pres. Madras* 2 : 755. 1957 (repr. ed.).

Tamil : *Velimungil*.

An erect shrub, in wastelands and on hedges; corolla white, spotted with pink.

Distrib.: In all districts.

Justicia glabra Koen. ex Roxb. *Fl. Ind.* 1 : 132. 1820; Clarke in *Hook. f. Fl. Brit. India* 4 : 535. 1885; Gamble, *Fl. Pres. Madras* 2 : 756. 1957 (repr. ed.). *Rhaphidospora glabra* (Koen. ex Roxb.) Nees in *Wall. Pl. Asiat. Rar.* 3 : 115. 1832; Wight, *lc. t.* 1554. 1850.

An erect herb on hedges and in open forests; corolla pale yellow with purple spots.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli (Gamble 1957).

Justicia glauca Rottf. in *Ges. Naturf. Freunde Berlin Neue Schriften* 4 : 219. 1802; Clarke in *Hook. f. Fl. Brit. India* 4 : 529. 1885; Gamble, *Fl. Pres. Madras* 2 : 755. 1957 (repr. ed.). *Gendarussa tranquebariensis* sensu Wight, *lc. t.* 462. 1841, non Nees 1832.

A very variable herb in wastelands and dry forests; corolla white with purple spots.

Distrib.: In most of the districts.

Justicia neesii Ramam. in Saldanha & Nicolson, *Fl. Hassan Dist.* 551. 1976. *J. micrantha* Wall. ex Clarke in *Hook. f. Fl. Brit. India* 4 : 536. 1885, non Pohl ex Nees 1847; Gamble, *Fl. Pres. Madras* 2 : 756. 1957 (repr. ed.).

An erect herb, corolla pink.

Distrib.: Chengalpattu.

Justicia nilgherrensis (Nees) Wall. ex T. And. in *J. Linn. Soc. Bot.* 7 : 118. 1863; Clarke in *Hook. f. Fl. Brit. India* 4 : 526. 1885; Gamble, *Fl. Pres. Madras* 2 : 755. 1957 (repr. ed.). *Adhatoda nilgherrensis* Nees in *Wall. Pl. Asiat. Rar.* 3 : 103. 1832; Wight, *lc. t.* 1544. 1850.

A low herb in grasslands; corolla whitish with red spots.

Distrib.: Coimbatore, Nilgiri, Pudukkottai (RHT), South Arcot.

Justicia salsoloides T. And. in J. Linn. Soc. Bot. 9 : 514. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 530. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.).

A woody undershrub in dry lands.

Distrib.: Tirunelveli.

Justicia santapau Bennet in J. Bombay Nat. Hist. Soc. 67 : 358. 1970. *J. montana* (Nees) Wall. ex T. And. in J. Linn. Soc. Bot. 9 : 509. 1867, non Roxb. 1805; Clarke in Hook. f. Fl. Brit. India 4 : 525. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.). *Hemichoriste montana* Nees in Wall. Pl. Asiat. Rar. 3 : 102. 1832; Wight, Ic. t. 1538. 1850. *Justicia andersonii* Ramam. in Saldanha & Nicolson, Fl. Hassan Dist. 551. 1976.

An erect bush; corolla white with purple spots on the throat.

Distrib.: Coimbatore, Madurai, Nilgiri.

Justicia tranquebariensis L. f. Suppl. Pl. 85. 1781; Clarke in Hook. f. Fl. Brit. India 4 : 530. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.). *Gendarussa tranquebariensis* (L. f.) Nees in Wall. Pl. Asiat. Rar. 3 : 105. 1832.

Tamil : *Sivanarvembu*.

A woody undershrub, corolla yellowish with purple spots, on dry lands.

Distrib.: In all districts.

Justicia trinervia Vahl, Enum. Pl. 1 : 156. 1804; Clarke in Hook. f. Fl. Brit. India 4 : 526. 1885; Gamble, Fl. Pres. Madras 2 : 755. 1957 (repr. ed.).

A low procumbent herb.

Distrib.: Coimbatore, Nilgiri.

Lepidagathis barberi Gamble in Kew Bull. 1923 : 375. 1923 & Fl. Pres. Madras

2 : 747. 1957 (repr. ed.). *L. pungens* sensu Wight, Ic. t. 456. 1841, non Nees 1832.

A much-branched small erect shrub.

Distrib.: Coimbatore, Madurai (Gamble 1957), Ramanathapuram, Tirunelveli.

Lepidagathis cristata Willd. Sp. Pl. 3 : 400. 1800; Wight, Ic. t. 455. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 516. 1885; Gamble, Fl. Pres. Madras 2 : 747. 1957 (repr. ed.).

Tamil : *Karappanpoandu*.

A stiff undershrub in dry places and on rocks; corolla white with brown and purple spots.

Distrib.: Chengalpattu, Coimbatore, North Arcot, South Arcot, Salem, Tiruchchirappalli (RHT). E.

Lepidagathis cuspidata Nees in Wall. Pl. Asiat. Rar. 3 : 97. 1832; Bedd. Ic. t. 227. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 519. 1885; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.).

An erect undershrub; corolla white with purple spots.

Distrib.: Nilgiri.

Lepidagathis diffusa Clarke in Hook. f. Fl. Brit. India 4 : 518. 1885; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.).

A small straggling shrub with woody rootstock.

Distrib.: Coimbatore (Gamble 1957).

Lepidagathis fasciculata (Retz.) Nees in Wall. Pl. Asiat. Rar. 3 : 95. 1832; Bedd. Ic. t. 228. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 522. 1885; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.). *Ruellia fasciculata* Retz. Obs. Bot. 4 : 28. 1786.

A herbaceous, soft villous plant in forest undergrowth and in rocky places; corolla white with purple spots.

Distrib.: Tiruchchirappalli.

Lepidagathis incurva Buch. - Ham. ex D. Don, Prodr. Fl. Nep. 119. 1825. *L. hyalina* Nees in Wall. Pl. Asiat. Rar. 3 : 95. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 521. 1885 incl. vars.; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.).

A small perennial herb by roadsides and in dry forest undergrowth; corolla white with brown spots on the tip.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Lepidagathis mitis Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 226. 1851; Clarke in Hook. f. Fl. Brit. India 4 : 516. 1885; Gamble, Fl. Pres. Madras 2 : 747. 1957 (repr. ed.).

An undershrub, in dry sandy places; corolla white or pale pink spotted with brown and purple.

Distrib.: Chengalpattu (CAL), North Arcot (Gamble 1957).

Lepidagathis pungens Nees in Wall. Pl. Asiat. Rar. 3 : 97. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 517. 1885; Gamble, Fl. Pres. Madras 2 : 747. 1957 (repr. ed.).

A stiff much-branched small spinous shrub.

Distrib.: Tirunelveli.

Lepidagathis scariosa Nees in Wall. Pl. Asiat. Rar. 3 : 95. 1832; Wight, Ic. t. 457. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 520. 1885; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.).

A small undershrub with apparently white or pale yellow corolla.

Distrib.: In most districts.

Lepidagathis spinosa Wight ex Nees in Wall. Pl. Asiat. Rar. 3 : 97. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 517. 1885; Gamble, Fl. Pres. Madras 2 : 747. 1957 (repr. ed.).

A stiff, prostrate much-branched spinous shrub.

Distrib.: Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli.

Lepidagathis subarmata (Clarke) Gamble, Fl. Pres. Madras 1067. 1924 & 2 : 747. 1957 (repr. ed.). *L. mitis* Dalz. var. *subarmata* Clarke in Hook. f. Fl. Brit. India 4 : 516. 1885. *L. rupestris* Bedd. Ic. t. 229. 1868 - 1874, non Nees 1832.

A stiff undershrub, chiefly on black cotton soil.

Distrib.: Coimbatore (Gamble 1957).

Lepidagathis submitis Blatter in J. & Proc. Asiat. Soc. Bengal 26 : 349. 1931.

An undershrub.

Distrib.: "Madras" (Blatter 1931).

Leptacanthus amabilis (Clarke) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 184. 1944. *Strobilanthes amabilis* Clarke in Hook. f. Fl. Brit. India 4 : 476. 1884; Gamble, Fl. Pres. Madras 2 : 732. 1957 (repr. ed.). *Leptacanthus walkeri* sensu Wight, Ic. t. 1507. 1850, non Nees 1837.

A large, very sticky shrub with jointed stems and pink flowers.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Leptacanthus rubicundus Nees in Wall. Pl. Asiat. Rar. 3 : 90. 1832. *Strobilanthes rubicundus* (Nees) T. And. in J. Linn. Soc. Bot. 9 : 483. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 475. 1884; Gamble, Fl. Pres. Madras 2 : 732. 1957 (repr. ed.). *S. paniculatus* Bedd. Ic. t. 199. 1868 - 1874.

A slender, delicate shrub with pink flowers.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Leptostachya wallichii Nees in Wall. Pl. Asiat. Rar. 3 : 105. 1832; Wight, Ic. t. 1543. 1850. *Dianthera wallichii* (Nees) Benth. ex Gamble, Fl. Pres. Madras 1083. 1924 & 2 : 758. 1957 (repr. ed.). *D. leptostachya* Clarke in Hook. f. Fl. Brit. India 4 : 542. 1885.

An erect herb; flowers small with divaricately branched panicles.

Distrib.: Kanniyakumari, Nilgiri, Tirunelveli.

Mackenzia gracilis (Bedd.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 182. 1944. *Strobilanthes gracilis* Bedd. Ic. t. 207. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 474. 1884; Gamble, Fl. Pres. Madras 2 : 731. 1957 (repr. ed.).

A very large shrub with white flowers tinged with lilac.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Mackenzia homotropa (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 182. 1944. *Strobilanthes homotropus* Nees in DC. Prodr. 11 : 187. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 474. 1884; Gamble, Fl. Pres. Madras 2 : 731. 1957 (repr. ed.). *S. sexennis* sensu Bedd. Ic. t. 206. 1868 - 1874, non Nees 1847.

A large shrub with white flowers, in sholas.

Distrib.: Madurai, Nilgiri.

Mackenzia violacea (Bedd.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 182.

1944. *Strobilanthes violacea* Bedd. Ic. t. 205. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 474. 1884; Gamble, Fl. Pres. Madras 2 : 732. 1957 (repr. ed.).

A large shrub with blue-purple flowers.

Distrib.: Nilgiri.

Monothecium aristatum (Wall. ex Nees) T. And. in Thw. Enum. Pl. Zeyl. 234. 1860; Bedd. Ic. t. 269. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 524. 1885; Gamble, Fl. Pres. Madras 2 : 748. 1957 (repr. ed.). *Justicia aristata* Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 115. 1832.

A branched, procumbent small under-shrub, in dry open forests; corolla white with spots on the lower lip.

Distrib.: In most districts.

Neuracanthus neesianus Clarke in Hook. f. Fl. Brit. India 4 : 491. 1884; Gamble, Fl. Pres. Madras 2 : 744. 1957 (repr. ed.).

A procumbent, hoary tomentose undershrub, on black cotton soil.

Distrib.: North Arcot (Gamble 1957).

Nilgirianthus asper Sant. in Bot. Mem. Univ. Bombay 2 : 42. 1951. *Strobilanthes asper* Wight, Ic. t. 1518. 1850, non Decne. 1834; Clarke in Hook. f. Fl. Brit. India 4 : 452. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.).

A soft, erect shrub with purplish white flowers with strong scent, in sholas.

Distrib.: In most districts.

Nilgirianthus barbatus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 172. 1944. *Strobilanthes barbatus* Nees in Wall. Pl. Asiat. Rar. 3 : 85. 1832; Bedd. Ic. t. 212. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 437. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

A gregarious shrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Nilgirianthus beddomei Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 172. 1944. *Strobilanthes adenophorus* sensu Bedd. Ic. t. 225. 1868-1874, non Nees 1847; Clarke in Hook. f. Fl. Brit. India 4 : 440. 1884; Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.).

A shrub with apparently pale blue flowers.

Distrib.: Coimbatore, Tirunelveli.

Nilgirianthus campanulatus (Wight) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 172. 1944. *Strobilanthes campanulatus* Wight, Ic. t. 1562. 1850; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.). *S. heyneanus* Nees var. *campanulata* (Wight) Clarke in Hook. f. Fl. Brit. India 4 : 444. 1884.

A small herbaceous shrub.

Distrib.: Nilgiri.

Nilgirianthus ciliatus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 172. 1944. *Strobilanthes ciliatus* Nees in Wall. Pl. Asiat. Rar. 3 : 85. 1832; Bedd. Ic. t. 211. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 439. 1884; Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.).

Tamil: *Kurinji*, *Sinnagurinji*.

A slender shrub, in evergreen forests.

Distrib.: Nilgiri, Tirunelveli (Clarke 1884). E.

Nilgirianthus decurrens (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes decurrens* Nees in DC. Prodr. 11 : 189. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 440. 1884;

Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.). *Goldfussia decurrens* (Nees) Wight, Ic. t. 1522. 1850.

A herb with quadrangular stems.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Nilgirianthus foliosus (Wight) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Endopogon foliosus* Wight, Ic. t. 1501. 1849. *Strobilanthes foliosus* (Wight) T. And. in J. Linn. Soc. Bot. 9 : 467. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 433. 1884; Gamble, Fl. Pres. Madras 2 : 726. 1957 (repr. ed.).

A large gregarious shrub, in sholas.

Distrib.: Madurai, Nilgiri, Salem.

Nilgirianthus heyneanus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes heyneanus* Nees in Wall. Pl. Asiat. Rar. 3 : 85. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 443. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.). *S. rugosus* Wight, Ic. t. 1619. 1850.

A small gregarious shrub with pale blue flowers, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957).

Nilgirianthus lupulinus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes lupulinus* Nees in Wall. Pl. Asiat. Rar. 3 : 85. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 443. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.).

An erect, herbaceous undershrub with glandular-hairy spikes.

Distrib.: Madurai (Gamble 1957), Tirunelveli.

Nilgirianthus neilgherrensis (Bedd.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 174. 1944. *Strobilanthes neilgherrensis* Bedd. Ic. t. 196. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 438. 1884; Gamble, Fl. Pres. Madras 2 : 728. 1957 (repr. ed.).

A large shrub with subtetragonal stems; in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Nilgirianthus papillosus (T. And.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes papillosus* T. And. in J. Linn. Soc. Bot. 9 : 468. 1867; Bedd. Ic. t. 201. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 445. 1884; Gamble, Fl. Pres. Madras 2 : 728. 1957 (repr. ed.).

A large shrub with large blue flowers and glandular stems, in sholas.

Distrib.: Nilgiri.

Nilgirianthus perrottetianus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 174. 1944. *Strobilanthes perrottetianus* Nees in DC. Prodr. 11 : 179. 1847; Wight, Ic. t. 1513. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 439. 1884; Gamble, Fl. Pres. Madras 2 : 728. 1957 (repr. ed.).

A large shrub, soft with reddish purple hairs, in sholas.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Nilgirianthus punctatus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 174. 1944. *Ruellia punctata* Nees in DC. Prodr. 11 : 147. 1847; Wight, Ic. t. 1563. 1850. *Strobilanthes anceps* Nees var. *microstachya* Clarke in Hook. f. Fl. Brit.

India 4 : 442. 1884; Gamble, Fl. Pres. Madras 2 : 728. 1957 (repr. ed.).

A slender undershrub with white flowers.

Distrib.: Nilgiri, Tirunelveli.

Nilgirianthus urceolaris (Gamble) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 173. 1944. *Strobilanthes urceolaris* Gamble in Kew Bull. 1923 : 374. 1923 & Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

An erect shrub with apparently pale blue flowers, in sholas and grasslands.

Distrib.: Madurai, Nilgiri (Gamble 1957).

Nilgirianthus wightianus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 175. 1944. *Strobilanthes wightianus* Nees in Wall. Pl. Asiat. Rar. 3 : 86. 1832; Wight, Ic. t. 1514. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 438. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

A rough, rather low gregarious shrub, usually on grassy downs.

Distrib.: Nilgiri, Tirunelveli.

Peristrophe montana Nees in Wall. Pl. Asiat. Rar. 3 : 113. 1832; Wight, Ic. t. 1553. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 556. 1885; Gamble, Fl. Pres. Madras 2 : 759. 1957 (repr. ed.).

An erect undershrub, often found in evergreen forests at low levels; bracts often coloured.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Peristrophe paniculata (Forssk.) Brummitt in Kew Bull. 38 : 451. 1983. *Dianthera paniculata* Forssk. Fl. Aeg.-Arab. 7. 1775. *Peristrophe bicalyculata*

(Retz.) Nees in Wall. Pl. Asiat. Rar. 3 : 113. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 554. 1885; Gamble, Fl. Pres. Madras 2 : 759. 1957 (repr. ed.). *Dianthera bicalyculata* Retz. in Acta Holm. 1775 : 297. t. 9. 1776.

A hispid herb, common in forest undergrowth and wastelands.

Distrib.: In most districts. E.

Petalidium barlerioides (Roth) Nees in Wall. Pl. Asiat. Rar. 3 : 82. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 416. 1884; Gamble, Fl. Pres. Madras 2 : 717. 1957 (repr. ed.). *Ruellia barlerioides* Roth, Nov. Pl. Sp. 310. 1821.

A shrub, in deciduous forests.

Distrib.: Tirunelveli.

Phaulopsis imbricata (Forssk.) Sweet, Hort. Brit. ed. 1. 327. 1827. *Ruellia imbricata* Forssk. Fl. Aeg. - Arab. 113. 1775. *Micranthus oppositifolius* Wendl. Bot. Beobacht 39. 1798; Gamble, Fl. Pres. Madras 2 : 718. 1957 (repr. ed.). *Phaulopsis parviflora* Willd. Sp. Pl. 3 : 342. 1800, "*Phaylopsis*"; Clarke in Hook. f. Fl. Brit. India 4 : 417. 1884. *Aetheilema reniforme* Nees in Wall. Pl. Asiat. Rar. 3 : 94. 1832; Wight, Ic. t. 1533. 1850.

A much-branched diffuse herb, in forest undergrowth.

Distrib.: In most districts.

Phlebophyllum humile (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944. *Endopogon viscosus* Nees var. *humilis* Nees in DC. Prodr. 11 : 104. 1847; Wight, Ic. t. 1498. 1849. *Strobilanthes humilis* (Nees) Gamble, Fl. Pres. Madras 1035. 1924 & 2 : 726. 1957 (repr. ed.).

A low shrub.

Distrib.: Coimbatore and Tirunelveli (Gamble 1957).

Phlebophyllum kunthianum Nees in Wall. Pl. Asiat. Rar. 3 : 83. 1832; Wight, Ic. t. 448. 1841. *Strobilanthes kunthianus* (Nees) T. And. ex Benth. Fl. Hong. 262. 1861; Clarke in Hook. f. Fl. Brit. India 4 : 434. 1884; Gamble, Fl. Pres. Madras 2 : 726. 1957 (repr. ed.).

A gregarious bushy shrub, on grassy slopes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli. E.

Phlebophyllum lanatum (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944. *Strobilanthes lanatus* Nees in DC. Prodr. 11 : 191. 1847. *S. gossypinus* T. And. in J. Linn. Soc. Bot. 9 : 466. 1867; Bedd. Ic. t. 198. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 434. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

An erect shrub, on open dry hill sides.

Distrib.: Nilgiri.

Phlebophyllum lawsonii (Gamble) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944. *Strobilanthes lawsonii* Gamble in Kew Bull. 1923 : 374. 1923 & Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

An erect shrub with pale blue flowers, in sheltered sholas.

Distrib.: Nilgiri.

Phlebophyllum spicatum (Roth) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944, var. *spicatum*. *Ruellia spicata* Roth, Nov. Pl. Sp. 310. 1821. *Strobilanthes consanguineus* (Nees) T. And. in Thw. Enum. Pl. Zeyl. 226. 1860; Clarke in Hook. f. Fl. Brit. India 4 : 435. 1884; Gamble, Fl. Pres. Madras 2 : 726. 1957 (repr. ed.). *Endopogon consanguinea* Nees in Wall. Pl. Asiat. Rar. 3 : 99. 1832.

A large shrub, at low levels.

Distrib.: Coimbatore, Madurai, Nilgiri, Thanjavur (Clarke 1884), Tirunelveli.

Phlebophyllum spicatum (Roth) Bremek. var. **amomum** (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944. *Endopogon amomum* Nees in Wall. Pl. Asiat. Rar. 3 : 99. 1832. *Strobilanthes consanguineus* (Nees) T. And. var. *amomum* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 435. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

A large shrub.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Phlebophyllum spicatum (Roth) Bremek. var. **hypoleucum** (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 169. 1944. *Endopogon hypoleucus* Nees in Wall. Pl. Asiat. Rar. 3 : 99. 1832. *Strobilanthes consanguineus* (Nees) T. And. var. *hypoleuca* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 436. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.).

A large shrub.

Distrib.: Coimbatore, Madurai, Nilgiri.

Phlebophyllum versicolor (Wight) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 170. 1944. *Endopogon versicolor* Wight, Ill. 2 : 164b. f. 4. 1850. *Strobilanthes cuspidatus* (Benth.) T. And. in J. Linn. Soc. Bot. 9 : 465. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 435. 1884; Gamble, Fl. Pres. Madras 2 : 726. 1957 (repr. ed.). *Endopogon cuspidatus* Benth. in Linnaea 24 : 646. 1851.

A large shrub.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Pleocaulus sessilis (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 185. 1944. *Strobilanthes sessilis* Nees in Wall. Pl. Asiat. Rar. 3 : 85. 1832; Wight, Ic. t. 1511. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 452. 1884; Gamble, Fl. Pres. Madras 2 : 731. 1957 (repr. ed.).

A small, erect herb with a perennial rootstock.

Distrib.: Madurai (PCM), Nilgiri (CAL, PCM).

Pleocaulus sessiloides (Wight) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 185. 1944. *Strobilanthes sessiloides* Wight, Ic. t. 1512. 1850. *S. sessilis* Nees var. *sessiloides* (Wight) Clarke in Hook. f. Fl. Brit. India 4 : 452. 1884; Gamble, Fl. Pres. Madras 2 : 731. 1957 (repr. ed.).

A perennial herb; leaves very rugose with prominent nerves.

Distrib.: Nilgiri (CAL).

Pseuderanthemum malabaricum (Clarke) Gamble, Fl. Pres. Madras 1064. 1924 & 2 : 745. 1957 (repr. ed.). *Eranthemum malabaricum* Clarke in Hook. f. Fl. Brit. India 4 : 497. 1884.

An undershrub with white flowers, in evergreen forests.

Distrib.: Coimbatore, Madurai, North Arcot, Ramanathapuram, Tirunelveli.

Rhinacanthus nasutus (L.) Kurz in J. Asiat. Soc. Bengal 39 : 79. 1870, var. *nasutus*. *Justicia nasuta* L. Sp. Pl. 16. 1753. *Rhinacanthus communis* Nees in Wall. Pl. Asiat. Rar. 3 : 109. 1832; Wight, Ic. t. 464. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 541. 1885; Gamble, Fl. Pres. Madras 2 : 758. 1957 (repr. ed.).

Tamil: *Nagamalli*.

A shrubby plant with white flowers, wild or cultivated; common on roadsides and in forest undergrowth.

Distrib.: In most districts.

Rhinacanthus nasutus (L.) Kurz var. **montana** (Clarke) Kumari comb. nov. *R. communis* Nees var. *montana* Clarke in Hook. f. Fl. Brit. India 4 : 541. 1885; Gamble, Fl. Pres. Madras 2 : 759. 1957 (repr. ed.).

A shrubby plant; leaves softly pubescent on the lower surface.

Distrib.: Chengalpattu, Nilgiri.

Rostellularia diffusa (Willd.) Nees in Wall. Pl. Asiat. Rar. 3 : 100. 1832, var. **diffusa**. *Justicia diffusa* Willd. Sp. Pl. 1 : 87. 1797; Clarke in Hook. f. Fl. Brit. India 4 : 538. 1885; Gamble, Fl. Pres. Madras 2 : 757. 1957 (repr. ed.).

A slender herb.

Distrib.: Almost all districts. E.

Rostellularia diffusa (Willd.) Nees var. **hedyotidifolia** (Nees) Kumari comb. nov. *R. hedyotidifolia* Nees in Wall. Pl. Asiat. Rar. 3 : 100. 1832; Wight, Ic. t. 1540. 1850. *Justicia diffusa* Willd. var. *hedyotidifolia* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 538. 1885; Gamble, Fl. Pres. Madras 2 : 757. 1957 (repr. ed.).

A slender herb, turning black on drying.

Distrib.: In most of the districts.

Rostellularia diffusa (Willd.) Nees var. **orbiculata** (Wall. ex T. And.) Ellis in Biol. Mem. 2(1 & 2) : 109. 1977. *Justicia orbiculata* Wall. ex T. And. in J. Linn. Soc. Bot. 9 : 512. 1864 p.p.; Gamble, Fl. Pres. Madras 2 : 757. 1957 (repr. ed.). *J. diffusa* Willd. var. *orbiculata* (Wall. ex T. And.) Clarke in Hook. f. Fl. Brit. India 4 : 538. 1885.

An undershrub with dichotomously spreading branches.

Distrib.: Madurai (Gamble 1957), Nilgiri, Salem (Gamble 1957).

Rostellularia japonica (Thunb.) Ellis in Bull. Bot. Surv. India 22 : 196. 1980 (1982). *Justicia japonica* Thunb. Fl. Jap. 20. 1784. *J. simplex* D. Don, Prodr. Fl. Nep. 118. 1825, non *Rostellularia simplex* Wight 1850; Clarke in Hook. f. Fl. Brit. India 4 : 539. 1885; Gamble, Fl. Pres. Madras 2 : 756. 1957 (repr. ed.). *Rostellularia mollissima* (Nees) Nees in DC. Prodr. 11 : 373. 1847. *Rostellularia mollissima* Nees in Wall. Pl. Asiat. Rar. 3 : 101. 1832.

A softly hairy herb, usually in hilly places; flowers pink or lilac.

Distrib.: In most districts.

Rostellularia latispica (Clarke) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 45 : 71. 1948. *Justicia procumbens* L. var. *latispica* Clarke in Hook. f. Fl. Brit. India 4 : 539. 1885. *Rostellularia procumbens* sensu Wight, Ic. t. 1539. 1850, non Nees 1832. *Justicia latispica* (Clarke) Gamble, Fl. Pres. Madras 1086. 1924 & 2 : 756. 1957 (repr. ed.).

More or less an undershrub, turning nearly black when dry; flowers lilac with white spots.

Distrib.: Coimbatore and Madurai (Gamble 1957), Nilgiri, Tirunelveli.

Rostellularia procumbens (L.) Nees in Wall. Pl. Asiat. Rar. 3 : 101. 1832. *Justicia procumbens* L. Sp. Pl. 15. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 539. 1885; Gamble, Fl. Pres. Madras 2 : 756. 1957 (repr. ed.).

Tamil: *Ottupillu, Poom-pillu, Palkodi*.

A diffuse slender herb with pale purple flowers.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Tiruchchirappalli, Tirunelveli.

Rostellularia prostrata (Roxb. ex Clarke) Majumdar in Bull. Bot. Soc. Bengal 25 : 75. 1971. *Justicia diffusa* Willd. var. *prostrata* Roxb. ex Clarke in Hook. f. Fl. Brit. India 4 : 538. 1885. *J. prostrata* (Roxb. ex Clarke) Gamble, Fl. Pres. Madras 1081. 1924 & 2 : 757. 1957 (repr. ed.).

A small prostrate herb with pale pink flowers, usually in sandy places near the coast.

Distrib.: Almost all districts.

Rostellularia quinqueangularis (Koen. ex Roxb.) Nees in DC. Prodr. 11 : 375. 1847. *Justicia quinqueangularis* Koen. ex Roxb. Fl. Ind. 1 : 134. 1820; Clarke in Hook. f. Fl. Brit. India 4 : 536. 1885; Gamble, Fl. Pres. Madras 2 : 756. 1957 (repr. ed.).

A herbaceous undershrub with angular stems, rooting at nodes.

Distrib.: Tiruchchirappalli (RHT).

Rostellularia simplex Wight, Ic. t. 1542. 1850, non *Justicia simplex* D. Don 1825. *Justicia notha* Clarke in Hook. f. Fl. Brit. India 4 : 537. 1885; Gamble, Fl. Pres. Madras 2 : 756. 1957 (repr. ed.).

Stems slender and angular.

Distrib.: Tirunelveli. +

Rostellularia vahlii (Roth) Nees in Wall. Pl. Asiat. Rar. 3 : 102. 1832. *Justicia vahlii* Roth, Nov. Pl. Sp. 14. 1821; Gamble, Fl. Pres. Madras 2 : 757. 1957 (repr. ed.). *J. diffusa* Roth var. *vahlii* (Roth) Clarke in Hook. f. Fl. Brit. India 4 : 538. 1885.

A tall straggling herb with long angular internodes.

Distrib.: North Arcot.

Ruellia colorata Blume, Bijdr. 795. 1826.

A prostrate herb with white flowers; cultivated. E. R.

Ruellia tuberosa L. Sp. Pl. 635. 1753; Gamble, Fl. Pres. Madras 2 : 714. 1957 (repr. ed.).

A herb, frequently found in gardens and wastelands. E.

Rungia apiculata Bedd. Ic. t. 247. 1868-1874; Clarke in Hook. f. Fl. Brit. India 4 : 548. 1885; Gamble, Fl. Pres. Madras 2 : 749. 1957 (repr. ed.).

A slender undershrub found in stream or river beds; corolla white with purple spots.

Distrib.: Coimbatore, Madurai (CAL, HIFP), Tirunelveli.

Rungia crenata T. And. in J. Linn. Soc. Bot. 9 : 518. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 547. 1885.

A herb; spikes dense, one-sided.

Distrib.: Coimbatore (FRC).

Rungia laeta Clarke in Hook. f. Fl. Brit. India 4 : 550. 1885; Fyson, Fl. South Indian Hill St. 2 : t. 399. 1932; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.).

A shrub with stout terete, zigzag stems; flowers white with purple spots.

Distrib.: Madurai.

Rungia latior Nees in DC. Prodr. 11 : 472. 1847; Wight, Ic. t. 1548. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 546. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.). *R. longifolia* Nees var. *latifolia* Wight ex Clarke in Hook. f. Fl. Brit. India 4 : 547. 1885.

A stout, erect herb with white or pale blue flowers.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Rungia parviflora (Retz.) Nees in Wall. Pl. Asiat. Rar. 3 : 110. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 550. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.). *Justicia parviflora* Retz. Obs. Bot. 5 : 9. 1788. *Rungia longifolia* sensu Bedd. Ic. t. 266. 1868-1874, non Nees 1832.

A small soft herb, in dry forests; flowers blue.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Tirunelveli.

Rungia pectinata (L.) Nees in DC. Prodr. 11 : 469. 1847 p.p; Wight, Ic. t. 1547. 1850. *Justicia pectinata* L. Amoen. Acad. 4 : 299. 1759. *Rungia parviflora* (Retz.) Nees var. *pectinata* (L.) Clarke in Hook. f. Fl. Brit. India 4 : 550. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.).

Tamil: *Tavashu murunghie, Punakapundu.*

Floral bracts villous, the barren bracts prominently pectinately arranged. Common along streams and in forest undergrowth and grassy pasture lands.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Rungia repens (L.) Nees in Wall. Pl. Asiat. Rar. 3 : 110. 1832; Wight, Ic. t. 465. 1841; Clarke in Hook. f. Fl. Brit. India 4 : 549. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.). *Justicia repens* L. Sp. Pl. 15. 1753.

Tamil: *Kodaga saleh.*

A decumbent or erect herb; flowers white, blue or pink; margins of bracts hyaline.

Distrib.: Almost all districts. E.

Rungia sisparensis T. And. in J. Linn. Soc. Bot. 9 : 518. 1867; Clarke in Hook. f.

Fl. Brit. India 4 : 546. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.).

A shrub with one-sided spikes and purplish bracts.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Rungia wightiana Nees in Wall. Pl. Asiat. Rar. 3 : 110. 1832; Wight, Ic. t. 1549. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 546. 1885; Gamble, Fl. Pres. Madras 2 : 750. 1957 (repr. ed.).

An erect undershrub; flowers white, lower lip with lilac veins.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Sanchezia nobilis Hook. f. in Bot. Mag. t. 5594. 1866.

An erect plant with yellow flowers; cultivated.

Sanchezia parvibracteata Sprague & Hutchinson in Kew Bull. 1908 : 253. 1908.

An erect shrub with yellow flowers; cultivated.

Santapaua madurensis Balakr. & Subram. in J. Indian Bot. Soc. 42 : 411. 1963.

An erect glabrous herb.

Distrib.: Madurai. O. +.

Staurogyne glauca (Nees) Kuntze, Rev. Gen. Pl. 1 : 497. 1891; Gamble, Fl. Pres. Madras 2 : 710. 1957 (repr. ed.). *Ebermaiera glauca* Nees in DC. Prodr. 11 : 73. 1847; Wight, Ic. t. 1488. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 395. 1884.

Viscous herb; flowers purplish, striped rose or yellow.

Distrib.: Nilgiri (HIFP).

This genus is sometimes included in the family Scrophulariaceae by some workers.

Staurogyne zeylanica (Nees) Kuntze, Rev. Gen. Pl. 1 : 497. 1891; Gamble, Fl. Pres. Madras 2 : 710. 1957 (repr. ed.). *Ebermaiera zeylanica* Nees in DC. Prodr. 11 : 74. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 397. 1884.

A herb of wet places in forests.

Distrib.: Coimbatore.

Stenosiphonium confertum Nees in DC. Prodr. 11 : 105. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 427. 1884; Gamble, Fl. Pres. Madras 2 : 716. 1957 (repr. ed.).

An erect shrub.

Distrib.: Chengalpattu and Coimbatore (Gamble 1957), Madurai (Clarke 1884), Tirunelveli.

Stenosiphonium cordifolium (Vahl) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 226. 1931. *Ruellia cordifolia* Vahl, Symb. Bot. 3 : 84. 1794. *Stenosiphonium russellianum* Nees var. *subsericeum* (Nees) T. And. in J. Linn. Soc. Bot. 9 : 464. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 427. 1884; Gamble, Fl. Pres. Madras 2 : 717. 1957 (repr. ed.). *S. subsericeum* Nees in Wall. Pl. Asiat. Rar. 3 : 84. 1832.

A shrub; leaves white silky beneath; flowers deep blue.

Distrib.: Most districts.

Stenosiphonium parviflorum T. And. in J. Linn. Soc. Bot. 9 : 464. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 428. 1884; Gamble, Fl. Pres. Madras 2 : 716. 1957 (repr. ed.).

An erect shrub with pale blue flowers, in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Stenosiphonium russellianum Nees in Wall. Pl. Asiat. Rar. 3 : 84. 1832; Wight, Ic. t. 1503. 1850; Clarke in Hook. f. Fl.

Brit. India 4 : 427. 1884; Gamble, Fl. Pres. Madras 2 : 717. 1957 (repr. ed.).

An erect shrub.

Distrib.: In most districts.

Stenosiphonium wightii Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 153. 1944. *S. diandrum* sensu Wight, Ic. t. 1502. 1850, non Nees 1847; Clarke in Hook. f. Fl. Brit. India 4 : 426. 1884; Gamble, Fl. Pres. Madras 2 : 716. 1957 (repr. ed.).

An erect shrub.

Distrib.: Tirunelveli. O. +.

Strobilanthes asperrimus Nees in DC. Prodr. 11 : 183. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 443. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.).

A rather stout shrub with pale blue corolla and very rough scabrous glandular branches.

Distrib.: Coimbatore (CAL), Nilgiri.

This species is kept under *Strobilanthes* until further studies.

Strobilanthes walkeri Arn. ex Nees in Companion Bot. Mag. 2 : 312. 1827; Bedd. Ic. t. 222. 1868 - 1874; Clarke in Hook. f. Fl. Brit. India 4 : 440. 1884; Vajravelu & Srinivasan in Bull. Bot. Surv. India 15 : 280. 1973 (1976).

An undershrub with pinkish flowers.

Distrib.: Nilgiri.

This species is kept under *Strobilanthes* until further studies.

Taeniandra micrantha (Wight) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 175. 1944. *Strobilanthes micranthus* Wight, Ic. t. 1519. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 444. 1884; Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.).

An erect, herbaceous soft shrub, in sholas.

Distrib.: Madurai, Nilgiri.

Thelepala ixiocephala (Benth.) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 188. 1944. *Strobilanthes ixiocephala* Benth. in Flora 32 : 557. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 444. 1884; Gamble, Fl. Pres. Madras 2 : 730. 1957 (repr. ed.). *S. neesiana* Wight, Ic. t. 1523. 1850.

A small straggling shrub with white flowers.

Distrib.: Coimbatore (FRC).

Xenacanthus heteromallus (T. And. ex Clarke) Bremek. in Verh. Kon. Ned. Acad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 177. 1944. *Strobilanthes heteromallus* T. And. ex Clarke in Hook. f. Fl. Brit. India 4 : 437. 1884; Gamble, Fl. Pres. Madras 2 : 729. 1957 (repr. ed.).

A large shrub with pale blue flowers.

Distrib.: Madurai, Nilgiri.

Xenacanthus pulneyensis (Clarke) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 176. 1944. *Strobilanthes pulneyensis* Clarke in Hook. f. Fl. Brit. India 4 : 438. 1884; Gamble, Fl. Pres. Madras 2 : 727. 1957 (repr. ed.). *S. punctatus* Bedd. Ic. t. 204. 1868-1874, non Nees 1847.

A shrub with blue flowers.

Distrib.: Coimbatore (Gamble 1957), Madurai (CAL, PCM), Nilgiri, Salem (Gamble 1957), Tirunelveli.

Xenacanthus zenkerianus (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 : 176. 1944. *Goldfussia zenkeriana* Nees in DC. Prodr. 11 : 172. 1847. *Endopogon strobilanthes* Wight, Ic. t. 1500. 1849. *Strobilanthes zenkerianus* (Nees) T. And. in

J. Linn. Soc. Bot. 14 : 467. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 439. 1884; Gamble, Fl. Pres. Madras 2 : 728. 1957 (repr. ed.).

A large handsome shrub, in sholas.

Distrib.: Coimbatore, Madurai (HIFP), Nilgiri.

THUNBERGIACEAE

G.R. KUMARI

Meyenia hawtayneana (Wall.) Nees in Wall. Pl. Asiat. Rar. 3 : 78. 1832; Wight, Ic. t. 1487. 1849; Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.). *Thunbergia hawtayneana* Wall. Tent. Fl. Nap. 49. 1826; Clarke in Hook. f. Fl. Brit. India 4 : 391. 1884.

A small climbing shrub with slender branches, chiefly in dry places.

Distrib.: In most districts.

Thunbergia alata Boj. ex Sims in Bot. Mag. t. 2591. 1825; Clarke in Hook. f. Fl. Brit. India 4 : 391. 1884; Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.).

A slender climber, cultivated in gardens and apparently runs wild.

Thunbergia bicolor (Wight) Lindau in Bot. Jahrb. Syst. 17 : 41, 42. 1893. *Schmidia bicolor* Wight, Ic. t. 1848. 1852. *Thunbergia wightiana* T. And. in J. Linn. Soc. Bot. 9 : 448. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 393. 1884; Gamble, Fl. Pres. Madras 2 : 393. 1957 (repr. ed.).

A large climber.

Distrib.: Nilgiri. O.

Thunbergia erecta (Benth.) T. And. in J. Linn. Soc. Bot. 7 : 18. 1864; Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.). *Meyenia erecta* Benth. in Hook. Niger Fl. 476. 1849.

An erect, much-branched shrub, often grown in gardens. E.

Thunbergia fragrans Roxb. Pl. Cor. t. 67. 1795, var. *fragrans*; Clarke in Hook. f. Fl. Brit. India 4 : 390. 1884; Gamble, Fl. Pres. Madras 2 : 707. 1957 (repr. ed.). *T. fragrans* Roxb. var. *laevis* (Nees) Clarke in Hook. f. Fl. Brit. India 4 : 391. 1884; Gamble, Fl. Pres. Madras 2 : 707. 1957 (repr. ed.). *T. laevis* Nees in Wall. Pl. Asiat. Rar. 3 : 77. 1832.

A slender twiner with white flowers, mostly cultivated in gardens. E.

Thunbergia fragrans Roxb. var. *vestita* Nees in Wall. Pl. Asiat. Rar. 3 : 78. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 391. 1884; Gamble, Fl. Pres. Madras 2 : 707. 1957 (repr. ed.).

A slender twiner with thick tawny villous or often tomentose leaves.

Distrib.: In most districts.

Thunbergia grandiflora (Roxb. ex Rottl.) Roxb. in Bot. Cab. t. 324. 1819; Wight, Ic. t. 872. 1844-1845; Clarke in Hook. f. Fl. Brit. India 4 : 392. 1884; Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.). *Flemingia grandiflora* Roxb. ex Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 202. 1803.

A large blue-flowered climber, frequently grown in gardens and occasionally run wild. E

Thunbergia mysorensis (Wight) T. And. in J. Linn. Soc. Bot. 9 : 448. 1867; Clarke in Hook. f. Fl. Brit. India 4 : 393. 1884; Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.). *Hexacentris mysorensis* Wight, Ic. t. 871. 1844-1845.

An extensive glabrous climber.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (RHT).

Thunbergia tomentosa Wall. ex Nees in Wall. Pl. Asiat. Rar. 3 : 78. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 391. 1884;

Gamble, Fl. Pres. Madras 2 : 708. 1957 (repr. ed.).

A slender climber with large ovate bracteoles.

Distrib.: Coimbatore, Madurai, Nilgiri.

VERBENACEAE

S.R. SRINIVASAN

Aloysia triphylla (L' Herit.) Britton, Sci. Surv. Puerto Rico & Virgin Isles 6 : 140. 1925. *Verbena triphylla* L' Herit. Stirp. Nov. 21, 22. t. 11. 1784. *Lippia citriodora* (Lam.) H. B. K. Nov. Gen. Sp. ed. folio 2 : 269. 1817; Gamble, Fl. Pres. Madras 2 : 762. 1957 (repr. ed.). *Zapania citriodora* Lam. Tabl. Encycl. 1 : 59. 1791.

A glabrous, erect, aromatic shrub, commonly cultivated in gardens in hills

Callicarpa arborea Roxb. Fl. Ind. 1 : 390. 1832; Gamble, Fl. Pres. Madras 2 : 764. 1957 (repr. ed.).

A moderate-sized tree, in rather open spots.

Distrib.: Tirunelveli (PCM).

Callicarpa tomentosa (L.) Murr. Syst. Veg. ed. 13. 130. 1774. *Tomex tomentosa* L. Sp. Pl. 118. 1753. *Callicarpa arborea* Miq. ex Clarke in Hook. f. Fl. Brit. India 4 : 567. 1885, non Roxb. 1832. *C. lanata* L. Mant. Pl. 331. 1771; Clarke in Hook. f. Fl. Brit. India 4 : 567. 1885; Gamble, Fl. Pres. Madras 2 : 764. 1957 (repr. ed.). *C. wallichiana* Walp. Rep. 4 : 125. 1845; Wight, Ic. t. 1480. 1849.

Tamil: *Vettilaipattai*, *Seembakkulthu*.

A small tree or large shrub, along edges of clearings in forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. E.

Citharexylum subserratum Sw. Nov. Gen. Pl. 91. 1788; Matthew & Rani in Matthew, Fl. Tamilnadu Carnatic 3 : 1218. 1983. *C. fruticosum* L. var. *subser-ratum* (Sw.) Mold. in Phytologia 1 : 17. 1933 & 6 : 383. 1958.

A tree, cultivated.

Clerodendrum aculeatum Griseb. Fl. Brit. W. I. 500. 1862.

An erect shrub, commonly used in gardens for hedges.

Clerodendrum indicum (L.) Kuntze, Rev. Gen. Pl. 2 : 506. 1891, "*Clerodendron*". *Siphonanthus indica* L. Sp. Pl. 109. 1753. *Clerodendrum siphonanthus* R. Br. in Ait. Hort. Kew. ed. 2. 4 : 65. 1812; Wight, Ill. 2 : t. 173. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 595. 1885; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.).

Tamil: *Kavalai*.

A tall shrub, in grasslands and near streams.

Distrib.: Chengalpattu, Coimbatore, Thanjavur. E.

Clerodendrum inerme (L.) Gaertn. Fruct. 1 : 271. t. 75. 1788; Clarke in Hook. f. Fl. Brit. India 4 : 589. 1885; Gamble, Fl. Pres. Madras 2 : 769. 1957 (repr. ed.). *Volkameria inermis* L. Sp. Pl. 637. 1753.

Tamil: *Pinchil*, *Sangam*, *Pinarichan-ganguppu*.

A straggling shrub, in tidal forests; often planted in gardens.

Distrib.: In most of the districts. E.

Clerodendrum minutiflorum Baker in Kew Bull. 1894 : 150. 1894.

Cultivated in gardens. E.

Clerodendrum neriifolium Wall. ex Schauer in DC. Prodr. 11 : 660. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 589.

1885; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.).

A shrub in coastal area; occasionally found in cultivation and run wild.

Distrib.: Chengalpattu. E.

Clerodendrum nutans Wall. ex D. Don, Prodr. Fl. Nep. 103. 1825; Clarke in Hook. f. Fl. Brit. India 4 : 591. 1885.

A shrub.

Distrib.: Nilgiri.

Clerodendrum paniculatum L. Mant. Pl. 90. 1767, "*paniculata*"; Clarke in Hook. f. Fl. Brit. India 4 : 593. 1885.

A bushy perennial herb or erect shrub, widely cultivated.

Clerodendrum philippinum Schauer in DC. Prodr. 11 : 667. 1847, "*Clerodendron*"; Howard & Powell in Taxon 17 : 54. 1968. *C. fragrans* Hort. ex Vent. Jard. Mal. 2 : t. 70. 1804 pro. syn.; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.). *C. japonicum* (Thunb.) Sweet var. *planiflorum* (Schauer) Maheswari in Taxon 15 : 44. 1966. *C. fragrans* var. *planiflorum* Schauer in DC. Prodr. 11 : 666. 1847.

Tamil: *Mysore malligai*, *paenupparuthi-chedi*.

A shrub with scented flowers; grown in gardens.

Clerodendrum phlomidis L. f. Suppl. Pl. 292. 1781; Wight, Ic. t. 1473. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 590. 1885; Gamble, Fl. Pres. Madras 2 : 769. 1957 (repr. ed.).

Tamil: *Taluddai*, *Thazhuthaazhai*.

A large rambling shrub on hedges.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Dharmapuri, Kanniyakumari, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli (RHT). E.

Clerodendrum serratum (L.) Moon, Cat. Pl. Ceylon 46 : n. 382. 1824; Wight, Ic. t. 1472. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 592. 1885; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.). *Volkameria serrata* L. Mant. Pl. 90. 1767.

Tamil: *Chirudekku, Angaravalli.*

A shrub in all forests, chiefly in rather damp places.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Kanniyakumari, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot, Tirunelveli. **E.**

Clerodendrum thomsonae Balf. f. in Edinburgh New Philos. J. ser. 2. 15 : 233. t. 2. 1862, "*Clerodendron*"; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.).

An introduced glabrous climbing shrub; commonly cultivated in gardens. **E.**

Clerodendrum viscosum Vent. Jard. Mal. 1 : t. 25. 1803. *G. infortunatum* auct. non L.; Wight, Ic. t. 1471. 1849, "*infortunata*"; Clarke in Hook. f. Fl. Brit. India 4 : 594. 1885; Gamble, Fl. Pres. Madras 2 : 770. 1957 (repr. ed.).

Tamil: *Perungilai.*

A large shrub or small tree, usually in forest undergrowth.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli. **E.**

Duranta erecta L. Sp. Pl. 637. 1753; Matthew in Rec. Bot. Surv. India 20 (1) : 185. 1969. *D. plumieri* Jacq. Select. Am. 186. t. 176. f. 76. 1763; Hook. f. Fl. Brit. India 4 : 560. 1885; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.).

A shrub, commonly cultivated in gardens and also planted as fences.

Gmelina arborea Roxb. Pl. Cor. t. 246. 1815; Wight, Ic. t. 1470. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 581.

1885; Gamble, Fl. Pres. Madras 2 : 768. 1957 (repr. ed.).

Tamil: *Gumadi, Kattanam, Umi, Kumaalamaram.*

A large or moderate-sized tree, in deciduous forests; often planted in avenues and gardens. **E.**

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli; Dharmapuri and Tiruchchirappalli (Matthew 1981). **E.**

Gmelina asiatica L. Sp. Pl. 626. 1753; Wight, Ill. 2 : t. 174. 1850; Clarke in Hook. f. Fl. Brit. India 4 : 582. 1885; Gamble, Fl. Pres. Madras 2 : 768. 1957 (repr. ed.). *G. parvifolia* Roxb. Pl. Cor. t. 162. 1802.

Tamil: *Nilakkumil, Mulkumizh.*

A large straggling shrub, in scrub forests; sometimes planted.

Distrib.: In all districts. **E.**

Gmelina philippensis Cham. in Linnaea 7 : 109. 1832; Mold. in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 4 : 399. 1983. *G. hystix* Schultes ex Kurz in J. Asiat. Soc. Bengal 39 : 81. 1870; Gamble, Fl. Pres. Madras 2 : 769. 1957 (repr. ed.).

A large spiny scandent shrub; cultivated in gardens. **E.**

Holmskioldia sanguinea Retz. Obs. Bot. 6 : 31. 1791; Clarke in Hook. f. Fl. Brit. India 4 : 596. 1885; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.).

A straggling evergreen shrub, often cultivated in gardens. **E.**

Lantana camara L. var. *aculeata* (L.) Mold. in Torreyia 34 : 9. 1934. *L. aculeata* L. Sp. Pl. 627. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 562. 1885; Gamble, Fl. Pres. Madras 2 : 761. 1957 (repr. ed.).

Tamil: *Unnichedi.*

A rambling shrub with short, recurved prickles; fairly common in disturbed areas.

Distrib.: In most of the districts. E.

Many other varieties based on variation in colour of flower are recognised.

Lantana camara L. var. **splendens** (Medic.) Mold. in *Phytologia* 33 : 130. 1976. *L. splendens* Medic. in *Hist. & Commentat. Acad. Elect. Sci. Theod.-Palat.* 3 : 226. 1755. *L. crenulata* Otto & Dietr. *Allg. Gartenz.* 9 : 363. 1841; Clarke in *Hook. f. Fl. Brit. India* 4 : 563. 1885; Gamble, *Fl. Pres. Madras* 2 : 761. 1957 (repr. ed.).

An erect shrub, in coastal area; perhaps introduced only.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tirunelveli.

Lantana indica Roxb. *Fl. Ind.* 3 : 89. 1832; Wight, *Ic. t.* 1464. 1849; Clarke in *Hook. f. Fl. Brit. India* 4 : 562. 1885; Gamble, *Fl. Pres. Madras* 2 : 766. 1957 (repr. ed.).

Tamil: *Unni*.

An erect, unarmed shrub, in hilly regions and often cultivated in gardens.

Distrib.: In most of the districts. E.

Lantana trifolia L. *Sp. Pl.* 626. 1753; Clarke in *Hook. f. Fl. Brit. India* 4 : 563. 1885; Gamble, *Fl. Pres. Madras* 2 : 761. 1957 (repr. ed.).

An introduced, erect hispid undershrub or a woody herb. E.

Lantana veronicifolia Hayek in *Feddes Repert.* 2 : 163. 1906.

Cultivated.

Lantana wightiana Wall. ex Gamble, *Fl. Pres. Madras* 1087. 1924 & 2 : 761. 1957 (repr. ed.). *L. indica* Roxb. var. *albiflora* Wight ex Clarke in *Hook. f. Fl. Brit. India* 4 : 562. 1885.

A woody unarmed shrub, in hills.

Distrib.: In most of the districts.

Lippia asperifolia A. Rich. ex Marthe, *Cat. Pl. Jard. Med. Paris* 67. 1801; Raju in *Bull. Bot. Soc. Bengal* 23 : 70. 1969.

Introduced in India; naturalized in Nilgiris. E.

Lippia citriodora H. B. K. *Nov. Gen. Sp.* 3 : 269. 1832.

An aromatic shrub; cultivated in gardens, especially in hills.

Lippia indica Mold. in *Phytologia* 1 : 427. 1940.

Distrib.: "Madras" (Mold. 1940). R.

Lippia javanica (Burm. f.) Spreng. *Syst. Veg.* 2 : 752. 1825; Meeuse in *Blumea* 5 : 68. 1942. *Verbena javanica* Burm. f. *Fl. Ind.* 12. t. 6. f. 2. 1768. *Lippia geminata* H.B.K. *Nov. Gen. Sp.* 2 : 266. 1818; Clarke in *Hook. f. Fl. Brit. India* 4 : 563. 1885; Gamble, *Fl. Pres. Madras* 2 : 762. 1957 (repr. ed.). *L. alba* (Mill.) N. E. Br. ex Britton & Wilson in Britton, *Sci. Surv. Puerto Rico & Virgin Isles* 6 : 141. 1925. *Lantana alba* Mill. *Gard. Dict.* ed. 8. n. 8. 1768. *Lippia unica* Ramakr. in *J. Bombay Nat. Hist. Soc.* 54 : 925. 1957.

A strongly aromatic shrub, in wet places.

Distrib.: Coimbatore, Nilgiri, Tiruchirappalli (Matthew 1981). E.

Petrea volubilis L. *Sp. Pl.* 626. 1753; Gamble, *Fl. Pres. Madras* 2 : 774. 1957 (repr. ed.).

A climbing shrub, commonly grown in gardens. E.

Phyla nodiflora (L.) Greene in *Pittonia* 4 : 46. 1899. *Verbena nodiflora* L. *Sp. Pl.* 20. 1753. *Lippia nodiflora* (L.) A. Rich. in *Michaux, Fl. Bor. Amer.* 2 : 15. 1803;

Wight, Ic. t. 1463. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 563. 1885; Gamble, Fl. Pres. Madras 2 : 762. 1957 (repr. ed.).

Tamil: *Podutalei*.

A prostrate herb, in wet grounds and grassy pastures.

Distrib.: In all districts. E.

Premna coriacea Clarke in Hook. f. Fl. Brit. India 4 : 573. 1885; Gamble, Fl. Pres. Madras 2 : 766. 1957 (repr. ed.).

A large climber.

Distrib.: Coimbatore (Fischer 1921), Madurai.

Premna corymbosa (Burm. f.) Rottl. & Willd. in Ges. Naturf. Freunde Berlin Neue Schriften ser. 2. 4 : 187 & 188. 1803; Clarke in Hook. f. Fl. Brit. India 4 : 573. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.). *Cornutia corymbosa* Burm. f. Fl. Ind. 132. t. 41. f. 1. 1768. *Premna cordifolia* Wight, Ic. t. 1483. 1849, non Roxb. 1832.

Tamil: *Munnay*, *Muney-kerai*, *Seeith-thalai*, *Nalla pinna*.

A shrub on hedges and among bushes.

Distrib.: Chengalpattu, North Arcot, Pudukkottai (RHT), Ramanathapuram, South Arcot, Tiruchchirappalli. E.

Premna glaberrima Wight, Ic. t. 1484. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 577. 1885 (sphalm. *P. integerrima*); Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.).

A shrub, in hills.

Distrib.: Tirunelveli (Gamble 1957). O. R. +.

Premna latifolia Roxb. Fl. Ind. 3 : 76. 1832, var. *latifolia*; Wight, Ic. t. 869. 1845; Clarke in Hook. f. Fl. Brit. India 4 : 577. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.).

Tamil: *Munnai*.

A small tree; near coasts and in dry forests.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, North Arcot (HIFP), Ramanathapuram, Tirunelveli. E.

Premna latifolia Roxb. var. *mollissima* (Roth) Clarke in Hook. f. Fl. Brit. India 4 : 578. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.). *P. mollissima* Roth, Nov. Pl. Sp. 286. 1821.

Tamil: *Periajitti*.

A small tree, in deciduous forests.

Distrib.: Chengalpattu (Clarke 1885), Coimbatore, Dharmapuri.

Premna latifolia Roxb. var. *viburnoides* Clarke in Hook. f. Fl. Brit. India 4 : 578. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.).

A small tree.

Distrib.: Chengalpattu (CAL), Coimbatore, Madurai, Tirunelveli.

Premna paucinervis (Clarke) Gamble, Fl. Pres. Madras 1095. 1924 & 2 : 766. 1957 (repr. ed.). *P. purpurascens* Thw. var. *paucinervis* Clarke in Hook. f. Fl. Brit. India 4 : 574. 1885.

A gigantic epiphytic climber.

Distrib.: Chengalpattu (PCM), Coimbatore (Gamble 1957). R. +.

Premna procumbens Moon ex Schauer in DC. Prodr. 11 : 636. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 580. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.).

A small undershrub, in hills.

Distrib.: Tirunelveli (CAL & FRC). R. +.

Premna serratifolia L. Mant. Pl. 253. 1771; Gamble, Fl. Pres. Madras 2 : 767.

1957 (repr. ed.). *P. integrifolia* L. Mant. Pl. 252. 1771, nom. superfl.; Wight, Ic. t. 1469. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 574. 1885.

Tamil: *Munnai*.

A small tree or shrub.

Distrib.: Almost all districts. E.

Premna tomentosa Willd. Sp. Pl. 3 : 314. 1800; Wight, Ic. t. 1468. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 576. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.). *Cornutia corymbosa* Lam. Encycl. 1 : 54. 1783, non Burm. f. 1768.

Tamil: *Kolaketta, Podaganari, Malai-thaekku*.

A moderate-sized tree, in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli; South Arcot and Tiruchchirappalli (Matthew 1981). E.

Premna villosa Clarke in Hook. f. Fl. Brit. India 4 : 573. 1885; Gamble, Fl. Pres. Madras 2 : 768. 1957 (repr. ed.).

A large climber.

Distrib.: Nilgiri.

Premna wightiana Schauer in DC. Prodr. 11 : 635. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 578. 1885; Gamble, Fl. Pres. Madras 2 : 767. 1957 (repr. ed.). *P. thyrsoideu* Wight, Ic. t. 1485. 1849.

Tamil: *Pinja*.

A small tree or a large shrub, in hills at low levels.

Distrib.: Coimbatore (Fischer 1921), Madurai, Tirunelveli.

Priva cordifolia (L. f.) Druce in Bot. Soc. Exch. Club Brit. Isles 1916: 641. 1917. *Buchnera cordifolia* L. f. Suppl. Pl. 287. 1781. *Priva leptostachya* Juss. in Ann. Mus. Hist. Nat. 7 : 70. 1806; Clarke

in Hook. f. Fl. Brit. India 4 : 565. 1885; Gamble, Fl. Pres. Madras 2 : 764. 1957 (repr. ed.). *Streptium asperum* Roxb. Pl. Cor. t. 146. 1800.

Profusely branched, sticky herb, on rocks and old walls.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Pudukkottai (RHT), Ramanathapuram, Salem, Tiruchchirappalli. E.

Pygmaepremna herbacea (Roxb.) Mold. in Phytologia 2 : 54. 1941. *Premna herbacea* Roxb. Fl. Ind. 3 : 80. 1832; Clarke in Hook. f. Fl. Brit. India 4 : 581. 1885; Gamble, Fl. Pres. Madras 2 : 768. 1957 (repr. ed.).

Tamil: *Sirudekku*.

A small herbaceous plant.

Distrib.: Madurai, Nilgiri. E.

Stachytarpheta jamaicensis (L.) Vahl, Enum. Pl. 1 : 206. 1804. *Verbena jamaicensis* L. Sp. Pl. 19. 1753. *Stachytarpheta indica* var. *jamaicensis* (L.) Trimen, Cat. Pl. Ceylon 68. 1885 & Handb. Fl. Ceylon 3 : 348. 1895; Gamble, Fl. Pres. Madras 2 : 763. 1957 (repr. ed.). *S. indica* sensu Clarke in Hook. f. Fl. Brit. India 4 : 564. 1885 p.p., non (L.) Vahl 1804.

A tall herb, on roadsides and in wet places.

Distrib.: In most of the districts. E.

Stachytarpheta mutabilis (Jacq.) Vahl, Enum. Pl. 1 : 209. 1804; Gamble, Fl. Pres. Madras 2 : 763. 1957 (repr. ed.). *Verbena mutabilis* Jacq. Coll. Bot. 2 : 334. 1788.

A tall herb or shrubby plant; introduced in gardens and runs wild. E.

Stachytarpheta urticaefolia (Salisb.) Sims in Bot. Mag. t. 1848. 1816. "*urticifolia*". *Cymburus urticaefolius* Salisb.

Parad. Lond. t. 53. 1806. *Stachytarpheta indica* auct. non (L.) Vahl 1804; Clarke in Hook. f. Fl. Brit. India 4 : 564. 1885 p.p.; Gamble, Fl. Pres. Madras 2 : 763. 1957 (repr. ed.).

A tall herb, probably introduced.

Svensonia hyderabadensis (Walp.) Mold. in Feddes Repert. 41 : 139. 1936. *Bouchea hyderabadensis* Walp. Rep. 4 : 12. 1845; Wight, Ic. t. 1462. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 564. 1885; Gamble, Fl. Pres. Madras 2 : 762. 1957 (repr. ed.).

Tamil: *Mainachchedi*.

A tall shrub, in hills.

Distrib.: Kanniyakumari, Madurai, Tiruchchirappalli (RHT), Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Tectona grandis L. f. Suppl. Pl. 151. 1781; Bedd. Fl. Sylv. t. 250. 1872; Clarke in Hook. f. Fl. Brit. India 4 : 570. 1885; Gamble, Fl. Pres. Madras 2 : 765. 1957 (repr. ed.).

Tamil: *Thekku*, *Thanagaamaram*.

A large deciduous tree, in forest areas; commonly planted. E.

Verbena bipinnatifida Schauer in DC. Prodr. 11 : 553. 1847; Matthew in Rec. Bot. Surv. India 20 (1) : 182. 1969.

A diffuse, perennial, hirsute herb; cultivated in gardens. E.

Verbena bonariensis L. Sp. Pl. 20. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 563. 1885; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.).

An erect scabrid herb; cultivated in gardens and sometimes found run wild.

Distrib.: Madurai (FRC), Nilgiri, Salem. E.

Verbena erinoides Lam. Tabl. Encycl. 1 : 57. 1791.

An annual or perennial herb, cultivated in gardens. E.

Verbena rigida Spreng. Syst. Cur. Post. 4 (2) : 230. 1827. *V. venosa* Gill. & Hook. in Bot. Misc. 1 : 167. 1829; Fyson, Fl. South Indian Hill St. 2 : t. 400. 1932; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.).

A stiff perennial herb with creeping rhizomes; cultivated in gardens and sometimes found run wild. E.

Vitex altissima L. f. Suppl. Pl. 294. 1781; Wight, Ic. t. 1466. 1849; Clarke in Hook. f. Fl. Brit. India 4 : 584. 1885; Gamble, Fl. Pres. Madras 2 : 772. 1957 (repr. ed.). *V. alata* Heyne ex Roth, Nov. Pl. Sp. 316. 1821; Clarke in Hook. f. Fl. Brit. India 4 : 584. 1885.

Tamil: *Maila*, *Mayilaadi*.

A large tree, in deciduous and dry forests.

Distrib.: Almost all districts. E.

*Vitex leucoxylo*n L. f. Suppl. Pl. 293. 1781; Clarke in Hook. f. Fl. Brit. India 4 : 587. 1885; Gamble, Fl. Pres. Madras 2 : 772. 1957 (repr. ed.). *Wallrothia leucoxylo*n (L. f.) Roth, Nov. Pl. Sp. 391. 1821; Wight, Ic. t. 1467. 1849.

Tamil: *Nirnocchi*.

A deciduous tree on banks of streams and in forest areas.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, South Arcot (Matthew 1981), Tiruchchirappalli. E.

Vitex littoralis Decne. in Nouv. Ann. Mus. Hist. Nat. 3 : 401. 1834.

A tree, cultivated in gardens. E.

Vitex negundo L. Sp. Pl. 638. 1753; Wight, Ic. t. 519. 1842; Clarke in Hook. f. Fl. Brit. India 4 : 583. 1885 incl. var.

incisa; Gamble, Fl. Pres. Madras 2 : 771. 1957 (repr. ed.).

Tamil: *Nochi*, *Vennochi*, *Nirkkundi*, *Nallanochi*.

A large shrub or small tree, on road sides and on banks of streams.

Distrib.: In most of the districts. E.

Vitex peduncularis Wall. ex Schauer in DC. Prodr. 11 : 687. 1847; Clarke in Hook. f. Fl. Brit. India 4 : 587. 1885; Gamble, Fl. Pres. Madras 2 : 772. 1957 (repr. ed.).

A small or moderate-sized tree, in deciduous forests and near streams in hills.

Distrib.: Dharmapuri (Matthew 1981), Nilgiri, Pudukkottai (RHT), Tiruchchirappalli (RHT).

Vitex pinnata L. Sp. Pl. 638. 1753. *V. pubescens* Vahl, Symb. Bot. 3 : 85. 1794; Clarke in Hook. f. Fl. Brit. India 4 : 585. 1885; Gamble, Fl. Pres. Madras 2 : 772. 1957 (repr. ed.). *V. arborea* Roxb. Fl. Ind. 3 : 73. 1832; Wight, Ic. t. 1465. 1849.

Tamil: *Myladi*.

A large tree, on banks of streams in deciduous forests.

Distrib.: Tirunelveli. E.

Vitex trifolia L. Sp. Pl. 638. 1753, "*trifoliis*"; Clarke in Hook. f. Fl. Brit. India 4 : 583. 1885; Gamble, Fl. Pres. Madras 2 : 771. 1957 (repr. ed.).

A slender bushy shrub or small tree.

Distrib.: Chengalpattu (CAL), Coimbatore (HIFP), South Arcot (Matthew 1981). E.

SYMPHOREMATACEAE

S.R. SRINIVASAN

Congea tomentosa Roxb. Pl. Cor. t. 293. 1819; Clarke in Hook. f. Fl. Brit.

India 4 : 603. 1885 incl. var. *azurea*; Mold. & Mold. in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 4 : 193. 1983.

A climbing shrub, cultivated in gardens. E.

Sphenodesme paniculata Clarke in Hook. f. Fl. Brit. India 4 : 600. 1885; Gamble, Fl. Pres. Madras 2 : 773. 1957 (repr. ed.).

Tamil: *Mazhamulla*.

A large climber, in evergreen forests.

Distrib.: Salem (CAL), Tirunelveli. E.

Symphorema involucratum Roxb. Pl. Cor. t. 186. 1805; Wight, Ic. t. 362. 1840; Clarke in Hook. f. Fl. Brit. India 4 : 599. 1885; Gamble, Fl. Pres. Madras 2 : 773. 1957 (repr. ed.).

Tamil: *Vellaimallikkodi*, *Poongurungu*.

A deciduous climbing shrub, along edges of semievergreen forests.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli. E.

Symphorema polyandrum Wight, Ic. t. 363. 1840, "*polyandra*"; Clarke in Hook. f. Fl. Brit. India 4 : 599. 1885; Gamble, Fl. Pres. Madras 2 : 773. 1957 (repr. ed.).

A climbing shrub, branches and young leaves densely fulvous-tomentose, flowers white.

Distrib.: Chengalpattu.

AVICENNIACEAE

S.R. SRINIVASAN

Avicennia alba Blume, Bijdr. 821. 1826; Wight, Ic. t. 1482. 1849; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.). *A. officinalis* L. var. *alba* (Blume) Clarke in Hook. f. Fl. Brit. India 4 : 604. 1885.

A shrub along river banks near coastal areas.

Distrib.: Thanjavur. R.

Avicennia marina (Forssk.) Vierh. in Denkschr. Kaiserl. Akad. Wiss., Math.-Naturwiss. Kl. 71 : 435. 1907; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.). *Sceura marina* Forssk. Fl. Aeg. Arab. 37. 1775.

Tamil: *Venkandan, Vellaikkandai.*

A large shrub along the coast in tidal waters and salt swamps.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Tirunelveli.

Avicennia officinalis L. Sp. Pl. 110. 1753; Clarke in Hook. f. Fl. Brit. India 4 : 604. 1885; Gamble, Fl. Pres. Madras 2 : 774. 1957 (repr. ed.). *A. tomentosa* sensu Wight, Ic. t. 1481. 1849, non Jacq. 1760.

Tamil: *Upattha, Maddipattai.*

A small tree along the coastal area in marshy places.

Distrib.: South Arcot, Thanjavur. E.

LABIATAE

S.R. SRINIVASAN

Acrocephalus hispidus (L.) Nicolson & Sadasivan in Taxon 29 : 324. 1980. *Gomphrena hispida* L. Sp. Pl. ed. 2. 1 : 326. 1762. *Acrocephalus capitatus* (Roth) Benth. in Edward's Bot. Reg. 15 : sub t. 1282. 1829; Hook. f. Fl. Brit. India 4 : 611. 1885. *Ocimum capitatum* Roth, Nov. Pl. Sp. 276. 1821. *Acrocephalus indicus* (Burm. f.) Kuntze, Rev. Gen. Pl. 2 : 511. 1891; Gamble, Fl. Pres. Madras 2 : 780. 1957 (repr. ed.). *Brunella indica* Burm. f. Fl. Ind. 130. 1768, "*Prunella*".

An annual erect herb, in damp grassy areas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Acrocephalus palmiensis Mukerjee in Notes Roy. Bot. Gard. Edinburgh 95 :

303. 1938 & in Rec. Bot. Surv. India 14 (1) : 31. 1940.

An erect herb, woody below.

Distrib.: Madurai (CAL).

Anisochilus argenteus Gamble in Kew Bull. 1924 : 265. 1924 & Fl. Pres. Madras 2 : 788. 1957 (repr. ed.).

A small undershrub with erect silvery branches.

Distrib.: Madurai. R. +.

Anisochilus carnosus (L. f.) Wall. ex Benth. in Wall. Pl. Asiat. Rar. 2 : 18. 1830-1831; Hook. f. Fl. Brit. India 4 : 627. 1885; Gamble, Fl. Pres. Madras 2 : 788. 1957 (repr. ed.). *Lavandula carnosus* L. f. Suppl. Pl. 273. 1781.

Tamil: *Karppuravalli.*

An erect annual herb, in rocky places in hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Pudukkottai, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli (RHT), Tirunelveli. E.

Anisochilus dysophylloides Benth. in Wall. Pl. Asiat. Rar. 2 : 19. 1830-1831, var. *dysophylloides*; Wight, Ic. t. 1434. 1849; Hook. f. Fl. Brit. India 4 : 628. 1885 p.p.; Gamble, Fl. Pres. Madras 2 : 789. 1957 (repr. ed.).

A stout undershrub, in hilly regions.

Distrib.: Coimbatore (Hook. f. 1885), Nilgiri, Salem.

Anisochilus dysophylloides Benth. var. *purpureus* (Wight) Gamble, Fl. Pres. Madras 1128. 1924 & 2 : 789. 1957 (repr. ed.). *A. purpureus* Wight, Ic. t. 1435. 1849. *A. dysophylloides* sensu Hook. f. Fl. Brit. India 4 : 628. 1885 p.p., non Benth. 1830-1831.

An undershrub.

Distrib.: Madurai, Nilgiri and Salem (PCM).

Anisochilus eriocephalus Benth. in DC. Prodr. 12 : 81. 1848; Hook. f. Fl. Brit. India 4 : 627. 1885; Gamble, Fl. Pres. Madras 2 : 788. 1957 (repr. ed.).

A slender annual.

Distrib.: Chengalpattu, North Arcot, South Arcot, Tiruchchirappalli (RHT).

Anisochilus paniculatus Benth. in DC. Prodr. 12 : 82. 1848; Hook. f. Fl. Brit. India 4 : 628. 1885; Gamble, Fl. Pres. Madras 2 : 788. 1957 (repr. ed.).

An erect herb with narrow spikes, in dry forests.

Distrib.: Madurai (PCM), Tirunelveli (UCT).

Anisochilus robustus Hook. f. Fl. Brit. India 4 : 629. 1885; Gamble, Fl. Pres. Madras 2 : 789. 1957 (repr. ed.).

A tall, robust, shrubby plant.

Distrib.: Coimbatore (Fischer 1921), Tirunelveli.

Anisochilus scaber Benth. in DC. Prodr. 12 : 81. 1848; Hook. f. Fl. Brit. India 4 : 627. 1885; Gamble, Fl. Pres. Madras 2 : 788. 1957 (repr. ed.).

An erect or ascending herb, rooting at nodes below.

Distrib.: Kanniyakumari, Salem (Matthew 1981), Tirunelveli.

Anisochilus sericeus Benth. in DC. Prodr. 12 : 82. 1848; Hook. f. Fl. Brit. India 4 : 629. 1885; Gamble, Fl. Pres. Madras 2 : 789. 1957 (repr. ed.).

A stout undershrub with strong erect stem.

Distrib.: Madurai, Tirunelveli.

Anisochilus suffruticosus Wight, Ic. t. 1437. 1849; Hook. f. Fl. Brit. India 4 : 628. 1885; Gamble, Fl. Pres. Madras 2 : 789. 1957 (repr. ed.).

An erect undershrub, among grasses on rocky cliffs.

Distrib.: Nilgiri, Tirunelveli (Hook. f. 1885). O.

Anisochilus wightii Hook. f. Fl. Brit. India 4 : 628. 1885; Gamble, Fl. Pres. Madras 2 : 788. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Coimbatore. R.

Anisomeles heyneana Benth. in Wall. Pl. Asiat. Rar. 1 : 59. 1830; Hook. f. Fl. Brit. India 4 : 672. 1885; Gamble, Fl. Pres. Madras 2 : 797. 1957 (repr. ed.).

A tall erect herb.

Distrib.: Nilgiri (Gamble 1957).

Anisomeles indica (L.) Kuntze, Rev. Gen. Pl. 2 : 512. 1891; Gamble, Fl. Pres. Madras 2 : 797. 1957 (repr. ed.). *Nepeta indica* L. Sp. Pl. 571. 1753. *Anisomeles ovata* R. Br. in Ait. Hort. Kew. ed. 2. 3 : 364. 1811; Wight, Ic. t. 865. 1845; Hook. f. Fl. Brit. India 4 : 672. 1885.

An almost shrubby herb in wastelands and on roadsides in open forests.

Distrib.: In all districts. E.

Anisomeles malabarica (L.) R. Br. ex Sims in Bot. Mag. t. 2071. 1819; Wight, Ic. t. 864. 1845; Hook. f. Fl. Brit. India 4 : 673. 1885; Gamble, Fl. Pres. Madras 2 : 797. 1957 (repr. ed.). *Nepeta malabarica* L. Mant. Pl. 566. 1771.

Tamil: *Peyameratti*.

A tall shrubby herb.

Distrib.: In all districts. E.

Basilicum polystachyon (L.) Moench, Suppl. Meth. Pl. 143. 1802; H. Keng in

Stoenis, Fl. Males. ser. 1. 8 : 366. 1978, "*polystachyum*". *Ocimum polystachyon* L. Mant. Pl. 567. 1771. *Moschosma polystachyum* (L.) Benth. in Wall. Pl. Asiat. Rar. 2 : 13. 1830-1831; Hook. f. Fl. Brit. India 4 : 612. 1885; Gamble, Fl. Pres. Madras 2 : 782. 1957 (repr. ed.).

Tamil: *Sanakki Poondu*.

A slender erect annual herb.

Distrib.: In most of the districts. E.

Becium filamentosum (Forssk.) Chiov. in Nuovo Giorn. Bot. Ital. n.s. 26 : 162. 1919; Harley in Kew Bull. 38 : 56. 1983. *Ocimum filamentosum* Forssk. Fl. Aeg.-Arab. 108. 1775. *O. adscendens* Willd. Sp. Pl. 3 : 166. 1800; Hook. f. Fl. Brit. India 4 : 609. 1885; Gamble, Fl. Pres. Madras 2 : 778. 1957 (repr. ed.).

An annual herb, erect or prostrate with ascending branches, in sandy places.

Distrib.: Almost all districts.

Colebrookea oppositifolia J.E. Smith, Exot. Bot. 2 : t. 115. 1805; Hook. f. Fl. Brit. India 4 : 612. 1885; Gamble, Fl. Pres. Madras 2 : 796. 1957 (repr. ed.). *C. ternifolia* Roxb. Pl. Cor. t. 245. 1815.

A very large spreading shrub, in dry forests.

Distrib.: Coimbatore, Nilgiri, Salem. E.

Elsholtzia ciliata (Thunb.) Hyland in Bot. Not. 1941 : 129. 1941. *Sideritis ciliata* Thunb. Fl. Jap. 245. 1784. *Elsholtzia cristata* Willd. in Roem. & Usteri, Mag. Bot. 4 (11) : 5. 1790; Hook. f. Fl. Brit. India 4 : 645. 1885; Mukerjee in Rec. Bot. Surv. India 14 (1) : 92. 1940.

An erect aromatic herb, introduced in gardens.

Eusteralis cruciata (Benth.) Panigrahi in Phytologia 32 : 478. 1976. *Dysophylla cruciata* Benth. in Wall. Pl. Asiat. Rar. 1 : 30. 1830; Hook. f. Fl. Brit. India

4 : 639. 1885; Gamble, Fl. Pres. Madras 2 : 795. 1957 (repr. ed.). *D. tetraphylla* Wight, Ic. t. 1444. 1849.

An erect herb.

Distrib.: "Nilgiri hills" (Hook. f. 1885).

Eusteralis deccanensis Panigrahi in Phytologia 32 : 475. 1976. *Dysophylla stellata* auct. non Lour. 1790; Benth. in Wall. Pl. Asiat. Rar. 1 : 30. 1830, non Benth. 1828; Hook. f. Fl. Brit. India 4 : 640. 1885; Gamble, Fl. Pres. Madras 2 : 795. 1957 (repr. ed.).

A decumbent or creeping herb, in paddy fields.

Distrib.: Madurai, Nilgiri.

Eusteralis quadrifolia (Benth.) Panigrahi in Phytologia 32 : 478. 1976. *Dysophylla quadrifolia* Benth. in Wall. Pl. Asiat. Rar. 1 : 30. 1830; Hook. f. Fl. Brit. India 4 : 639. 1885; Gamble, Fl. Pres. Madras 2 : 795. 1957 (repr. ed.).

A stout erect perennial undershrub, in hills.

Distrib.: Coimbatore (Gamble 1957), Tirunelveli.

Geniosporum elongatum Benth. Labiat. Gen. Sp. 21. 1832; Hook. f. Fl. Brit. India 4 : 610. 1885 excl. syn. *Rhinanthus indica* Burm. f. *G. indicum* sensu Gamble, Fl. Pres. Madras 2 : 781. 1957 (repr. ed.), non Briq. 1897.

A slender erect or ascending herb.

Distrib.: Coimbatore (FRC).

Geniosporum tenuiflorum (L.) Merr. in Phillipp. J. Sci. 19 : 379. 1921, var. *tenuiflorum*. *Ocimum tenuiflorum* L. Sp. Pl. 597. 1753. *Geniosporum prostratum* (L.) Benth. in Edward's Bot. Reg. 15 : sub t. 1300. 1830; Hook. f. Fl. Brit. India 4 : 610. 1885; Gamble, Fl. Pres. Madras 2 : 781. 1957 (repr. ed.). *Ocimum prostratum* L. Mant. Pl. 166. 1771.

Tamil: *Nazel-nagai*.

A slender annual herb.

Distrib.: In most of the districts. E.

Geniosporum tenuiflorum (L.) Merr.
var. *gracile* (Benth.) Srinivasan comb.
nov. *G. gracile* Benth. *Labiata. Gen. Sp.*
21. 1832. *G. prostratum* Benth. var.
gracile (Benth.) Thw. *Enum. Pl. Zeyl.*
237. 1860; Hook. f. *Fl. Brit. India* 4 : 610.
1885; Gamble, *Fl. Pres. Madras* 2 : 781.
1957 (repr. ed.).

Nearly glabrous herb.

Distrib.: "Coast of the Carnatic"
(Gamble 1957).

Geniosporum tenuiflorum (L.) Merr.
var. *longiracemosum* (Ramam. & Sebastine)
Sant. & Jain in *Indian Forester* 92 : 643.
1966. *G. prostratum* (L.) Benth. var.
longiracemosum Ramam. & Sebastine in
Bull. Bot. Surv. India 6 : 325. 1964.

An erect herb.

Distrib.: Tirunelveli.

Gomphostemma eriocarpon Benth. in
Wall. Pl. Asiat. Rar. 2 : 12. 1830-1831;
Hook. f. *Fl. Brit. India* 4 : 698. 1885;
Gamble, *Fl. Pres. Madras* 2 : 809. 1957
(repr. ed.). *G. oblongum* Wight, *Ic. t.*
1457. 1849, non Wall. ex Benth. 1830-
1831.

A slender erect herb.

Distrib.: Coimbatore (Gamble 1957),
Kanniyakumari, Tirunelveli.

Gomphostemma heyneanum Wall. ex
Benth. in *Wall. Pl. Asiat. Rar.* 2 : 12.
1830-1831, var. *heyneanum*; Wight, *Ic. t.*
1456. 1849; Gamble, *Fl. Pres. Madras*
2 : 808. 1957 (repr. ed.). *G. strobilinum*
Wall. ex Benth. var. *heyneana* (Wall. ex
Benth.) Hook. f. *Fl. Brit. India* 4 : 696.
1885.

A tall shrubby herbaceous plant.

Distrib.: Coimbatore, Madurai, Nilgiri.

Gomphostemma heyneanum Wall. ex
Benth. var. *rottleri* Prain in *Ann. Roy.
Bot. Gard. (Calcutta)* 3 : 249. t. 80.
1891; Gamble, *Fl. Pres. Madras* 2 : 809.
1957 (repr. ed.).

A herb, stem distinctly grooved.

Distrib.: Coimbatore, Nilgiri, Tirunel-
veli (Gamble 1957).

Gomphostemma strobilinum Wall. ex
Benth. in *Wall. Pl. Asiat. Rar.* 2 : 12.
1830-1831; Hook. f. *Fl. Brit. India* 4 : 696.
1885; Fischer in *Rec. Bot. Surv. India*
9 (1) : 146. 1921.

A robust herb.

Distrib.: Coimbatore (Fischer 1921).

Hyptis pectinata (L.) Poit. in *Ann.
Mus. Hist. Nat.* 7 : 474. t. 30. 1806;
Mukerjee in *Rec. Bot. Surv. India* 14 :
64. 1940. *Nepeta pectinata* L. *Syst. Nat.*
ed. 10. 1096. 1759.

An erect, aromatic perennial shrub.

Distrib.: "Madras Presidency" (Muk-
erjee 1940).

Hyptis suaveolens (L.) Poit. in *Ann.
Mus. Hist. Nat.* 7 : 472. t. 29. f. 2. 1806;
Hook. f. *Fl. Brit. India* 4 : 630. 1885;
Gamble, *Fl. Pres. Madras* 2 : 789. 1957
(repr. ed.). *Ballota suaveolens* L. *Syst.*
Nat. ed. 10. 1100. 1759.

A sweet-smelling rigid annual.

Distrib.: Almost all districts. E.

Lavandula bipinnata Kuntze var.
rothiana Kuntze, *Rev. Gen. Pl.* 2 : 521.
1891; Mukerjee in *Rec. Bot. Surv.*
India 14 (1) : 65. 1940.

An erect herb.

Distrib.: Madras (Mukerjee 1940).

Lavandula lawii Wight, *Ic. t.* 1439.
1849. *L. gibsonii* Graham ex Dalz. &

Gibs. Bombay Fl. 206. 1861; Hook. f. Fl. Brit. India 4 : 631. 1885; Gamble, Fl. Pres. Madras 2 : 790. 1957 (repr. ed.).

A tall undershrub.

Distrib.: Nilgiri (Gamble 1957).

Leonotis leonurus R. Br. in Ait. Hort. Kew. ed. 2. 3 : 410. 1811; Gamble, Fl. Pres. Madras 2 : 807. 1957 (repr. ed.).

A shrub, cultivated in gardens. E.

Leonotis nepetiifolia (L.) R. Br. Prodr. 504. 1810, "*nepetaefolia*"; Wight, Ic. t. 867. 1845; Hook. f. Fl. Brit. India 4 : 691. 1885; Gamble, Fl. Pres. Madras 2 : 807. 1957 (repr. ed.). *Phlomis nepetiifolia* L. Sp. Pl. 586. 1753, "*nepetaefolia*".

A tall herb, on roadsides and in waste places.

Distrib.: All districts. E.

Leonurus sibiricus L. Sp. Pl. 584. 1753; Hook. f. Fl. Brit. India 4 : 678. 1885; Gamble, Fl. Pres. Madras 2 : 800. 1957 (repr. ed.).

A stout erect herb, in waste places.

Distrib.: Nilgiri. E.

Leucas angularis Benth. in Wall. Pl. Asiat. Rar. 1 : 62. 1830; Hook. f. Fl. Brit. India 4 : 684. 1885; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.). *L. marrubioides* Desf. var. *pulneyensis* Hook. f. Fl. Brit. India 4 : 684. 1885.

A perennial herb with long straggling branches, in evergreen forests.

Distrib.: Madurai, Nilgiri.

Leucas aspera (Willd.) Link, Enum. Pl. Hort. Berol. 2 : 113. 1822; Hook. f. Fl. Brit. India 4 : 690. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *Phlomis aspera* Willd. Enum. Pl. Hort. Berol. 621. 1809.

Tamil: *Tumbai*.

An erect or diffuse annual with much-branched stems.

Distrib.: Almost all districts. E.

Leucas biflora (Vahl) R. Br. Prodr. 504. 1810, var. *biflora*; Wight, Ic. t. 866. 1845; Hook. f. Fl. Brit. India 4 : 683. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.). *Phlomis biflora* Vahl, Symb. Bot. 3 : 77. 1794.

A slender procumbent herb with long branches often ascending or climbing.

Distrib.: Almost all districts.

Leucas biflora (Vahl) R. Br. var. *procumbens* (Desf.) Gamble, Fl. Pres. Madras 1151. 1924 & 2 : 804. 1957 (repr. ed.). *L. procumbens* Desf. in Mem. Mus. Hist. Nat. 11 : 7. t. 3. 1824; Hook. f. Fl. Brit. India 4 : 683. 1885.

A slender procumbent herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, Salem, South Arcot, Tirunelveli.

Leucas cephalotes (Roth) Spreng. Syst. Veg. 2 : 743. 1825; Wight, Ic. t. 337. 1840; Hook. f. Fl. Brit. India 4 : 689. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.). *Phlomis cephalotes* Roth, Nov. Pl. Sp. 262. 1821.

An erect, stout annual, in cultivated lands.

Distrib.: Tirunelveli. E.

Leucas chinensis (Retz.) R. Br. Prodr. 504. 1810; Hook. f. Fl. Brit. India 4 : 681. 1885; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.). *Phlomis chinensis* Retz. Obs. Bot. 2 : 19. 1781.

A somewhat shrubby, straggling plant, in hills.

Distrib.: Coimbatore, Madurai, Salem (Matthew 1981), Tiruchchirappalli.

Leucas ciliata Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830; Hook. f. Fl. Brit. India 4 : 687. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A straggling, aromatic, loosely branched herb.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem.

Leucas diffusa Benth. Labiat. Gen. Sp. 615. 1834; Hook. f. Fl. Brit. India 4 : 681. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.).

A small diffusely branched, annual, hispid or hirsute herb.

Distrib.: Chengalpattu, North Arcot, Ramanathapuram, Salem (Gamble 1957), South Arcot, Thanjavur.

Leucas eriostoma Hook. f. Fl. Brit. India 4 : 686. 1885, var. *eriostoma*; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

An undershrub.

Distrib.: Salem (PCM).

Leucas eriostoma Hook. f. var. *lanata* Hook. f. Fl. Brit. India 4 : 686, 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

An undershrub.

Distrib.: Nilgiri (CAL), Salem (Matthew 1981).

Leucas eriostoma Hook. f. var. *latifolia* Hook. f. Fl. Brit. India 4 : 686. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A robust undershrub.

Distrib.: Nilgiri (Gamble 1957).

Leucas flaccida R. Br. var. *scaberula* (Hook. f.) Srinivasan comb. nov. *L. mollissima* Wall. ex Benth. var. *scaberula* Hook. f. Fl. Brit. India 4 : 682. 1885;

Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.).

Tamil: *Kattuthumbai*.

A straggling glabrous herb, in moist and shady places.

Distrib.: Coimbatore, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Leucas helianthemifolia Desf. in Mem. Mus. Hist. Nat. 11 : 2. t. 1. 1824; Hook. f. Fl. Brit. India 4 : 685. 1885 p.p.; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.). *L. ternifolia* Wight, Ic. t. 1453. 1849, non Desf. 1824.

A small shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (UCT).

Leucas hirta (Heyne ex Roth) Spreng. Syst. Veg. 2 : 743. 1825; Hook. f. Fl. Brit. India 4 : 687. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.). *Phlomis hirta* Heyne ex Roth, Nov. Pl. Sp. 264. 1821.

A sub-shrubby branched herb with stout rootstock.

Distrib.: In most of the districts.

Leucas indica (L.) R. Br. ex Vatke in Oesterr. Bot. Z. 25 : 95. 1875, var. *indica*. *Leonurus indicus* L. Syst. Nat. ed. 10. 1101. 1759. *Leucas linifolia* (Roth) Spreng. Syst. Veg. 2 : 743. 1825; Hook. f. Fl. Brit. India 4 : 690. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *Phlomis linifolia* Roth, Nov. Pl. Sp. 260. 1821. *Leucas lavandulifolia* J. E. Smith in Rees, Cyclop. 20 : n. 2. 1812; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 338. 1978.

Tamil: *Mosappullu*.

An erect, slender, annual herb.

Distrib.: In most of the districts.

Leucas indica (L.) R. Br. ex Vatke var. *decipiens* (Hook. f.) Srinivasan comb.

nov. *L. linifolia* Spreng. var. *decepiens* Hook. f. Fl. Brit. India 4 : 691. 1885. *L. lavandulifolia* J.E. Smith var. *decepiens* (Hook. f.) Chandrabose & Srinivasan in Bull. Bot. Surv. India 17 : 164. 1975.

An erect herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Leucas lamifolia Desf. in Mem. Mus. Hist. Nat. 11 : 4. t. 2. f. 1. 1824; Hook. f. Fl. Brit. India 4 : 686. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A tall shrubby plant.

Distrib.: Nilgiri. O.

Leucas lanata Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830; Hook. f. Fl. Brit. India 4 : 681. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.).

An erect perennial herb, in dry places at low levels.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, Salem, South Arcot, Tiruchchirappalli (RHT).

Leucas lanceaefolia Desf. in Mem. Mus. Hist. Nat. 11 : 5. t. 2. f. 2. 1824; Wight, Ic. t. 1452. 1849; Hook. f. Fl. Brit. India 4 : 685. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A tall shrub, on margins of sholas.

Distrib.: Coimbatore, Madurai, Nilgiri.

Leucas marrubloides Desf. in Mem. Mus. Hist. Nat. 11 : 6. t. 3. f. 1. 1824; Hook. f. Fl. Brit. India 4 : 683. 1885; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.).

A stout perennial herb, in hills.

Distrib.: Coimbatore, Madurai (Mukerjee 1940), Nilgiri, Salem.

Leucas martinicensis (Jacq.) R. Br. Prodr. 504. 1810; Hook. f. Fl. Brit. India

4 : 688. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *Clinopodium martinicense* Jacq. Enum. Syst. Pl. 25. 1760 & Select. Am. t. 177. f. 75. 1763.

Tamil: *Peruthumbai*.

A tall stout annual herb.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Salem, South Arcot (Matthew 1981), Tiruchchirappalli. E.

Leucas montana Spreng. Syst. Veg. 2 : 742. 1825; Hook. f. Fl. Brit. India 4 : 687. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.).

A straggling undershrub.

Distrib.: Chengalpattu (Mukerjee 1940), Coimbatore, Madurai (Hook. f. 1885), Nilgiri, North Arcot, Salem (Matthew 1981).

Leucas nutans Spreng. Syst. Veg. 2 : 743. 1825; Hook. f. Fl. Brit. India 4 : 688. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.).

A hirsute herb.

Distrib.: South Arcot (Matthew 1981); "Deccan" (Gamble 1957).

Leucas prostrata (Hook. f.) Gamble, Fl. Pres. Madras 1154. 1924 & 2 : 807. 1957 (repr. ed.). *L. hirta* Spreng. var. *prostrata* Hook. f. Fl. Brit. India 4 : 687. 1885.

A slender herb with many hispid, prostrate branches.

Distrib.: Coimbatore, Nilgiri, Salem.

Leucas pubescens Benth. Labiat. Gen. Sp. 610. 1834; Hook. f. Fl. Brit. India 4 : 684. 1885; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.).

A stout erect herb.

Distrib.: Coimbatore, Madurai (Hook. f. 1885), Nilgiri (Gamble 1957), Salem (Matthew 1981).

Leucas rosmarinifolia Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830; Wight, Ic. t. 1455. 1849; Hook. f. Fl. Brit. India 4 : 685. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A small much-branched shrub, in hills and often found on roadsides.

Distrib.: Nilgiri.

Leucas stelligera Wall. ex Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830; Hook. f. Fl. Brit. India 4 : 686. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.). *L. eriostoma* Hook. f. var. *longifolia* Hook. f. Fl. Brit. India 4 : 686. 1885.

An erect branched herb.

Distrib.: Madurai (FRC), Nilgiri, Tirunelveli. E.

Leucas stricta Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830; Hook. f. Fl. Brit. India 4 : 688. 1885; Gamble, Fl. Pres. Madras 2 : 804. 1957 (repr. ed.).

An erect slender annual herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, Salem.

Leucas suffruticosa Benth. Labiat. Gen. Sp. 611. 1834; Wight, Ic. t. 1454. 1849; Hook. f. Fl. Brit. India 4 : 685. 1885; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.).

An undershrub, in hills.

Distrib.: Coimbatore (Hook. f. 1885), Nilgiri.

Leucas ternifolia Desf. in Mem. Mus. Hist. Nat. 11 : 4. t. 1. f. 2. 1824; Gamble, Fl. Pres. Madras 2 : 805. 1957 (repr. ed.). *L. helianthemifolia* sensu Hook. f. Fl. Brit. India 4 : 685. 1885 p.p., non Desf. 1824.

A small much-branched undershrub with a stout rootstock, in hilly regions.

Distrib.: Coimbatore (Gamble 1957), Madurai, Nilgiri.

Leucas urticaefolia (Vahl) R. Br. Prodr. 504. 1810; Wight, Ic. t. 1451. 1849; Hook. f. Fl. Brit. India 4 : 680. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *Phlomis urticaefolia* Vahl, Symb. Bot. 2 : 76. 1794.

An erect hoary annual herb, on dry wastelands and often on black cotton soil.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Tiruchchirappalli (RHT). E.

Leucas vestita Benth. in Wall. Pl. Asiat. Rar. 1 : 61. 1830, var. *vestita*; Wight, Ic. t. 338. 1840; Hook. f. Fl. Brit. India 4 : 686. 1885; Gamble, Fl. Pres. Madras 2 : 806. 1957 (repr. ed.).

A tall, tawny villous herb, in hills at low levels.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli.

Leucas vestita Benth. var. *angustifolia* Hook. f. Fl. Brit. India 4 : 687. 1885.

A tall herb, in hills.

Distrib.: Nilgiri (Hook. f. 1885).

Leucas vestita Benth. var. *oblongifolia* Hook. f. Fl. Brit. India 4 : 687. 1885.

A herb, stem woody below.

Distrib.: Tirunelveli (Hook. f. 1885).

Leucas vestita Benth. var. *sericostoma* Hook. f. Fl. Brit. India 4 : 687. 1885.

A herb, branches with soft spreading hairs.

Distrib.: Coimbatore, Madurai.

Leucas wightiana Benth. in Wall. Pl. Asiat. Rar. 1 : 60. 1830; Hook. f. Fl. Brit. India 4 : 690. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *L. aspera* (Willd.) Link var. *wightiana* (Benth.) Benth. Labiat. Gen. Sp. 616. 1834.

A small erect annual scabrid herb.

Distrib.: Coimbatore, Kanniyakumari, South Arcot (Matthew 1981).

Leucas zeylanica (L.) R. Br. Prodr. 504. 1810; Wight, Ill. 2 : t. 176. 1850; Hook. f. Fl. Brit. India 4 : 689. 1885; Gamble, Fl. Pres. Madras 2 : 803. 1957 (repr. ed.). *Phlomis zeylanica* L. Sp. Pl. 586. 1753.

An erect annual herb, in hills.

Distrib.: In most of the districts. E.

Majorana hortensis Moench, Suppl. Meth. Pl. 406. 1794; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 393. 1798. *Origanum majorana* L. Sp. Pl. 590. 1753.

Tamil: *Marugu*.

A herb, extensively cultivated.

Mentha arvensis L. Sp. Pl. 577. 1753; Hook. f. Fl. Brit. India 4 : 648. 1885.

Tamil: *Podina*.

An erect, hairy or glabrous herb; cultivated. E.

Mentha canadensis L. Sp. Pl. 577. 1753.

A perennial herb, cultivated. E.

Meriandra bengalensis Benth. in Edward's Bot. Reg. 15 : sub t. 1282. 1829; Gamble, Fl. Pres. Madras 2 : 810. 1957 (repr. ed.).

A straggling shrub; cultivated in gardens and frequently found run wild. E.

Micromeria biflora (Buch.-Ham. ex D. Don.) Benth. Labiat. Gen. Sp. 378. 1834; Wight, Ic. t. 1446. 1849; Hook. f. Fl. Brit. India 4 : 650. 1885; Gamble, Fl. Pres. Madras 2 : 796. 1957 (repr. ed.). *Thymus biflorus* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 112. 1825.

A dwarf herb, in hills.

Distrib.: Coimbatore (Hook. f. 1885), Madurai, Nilgiri. E.

Micromeria capitellata Benth. in DC. Prodr. 12 : 218. 1848; Hook. f. Fl. Brit. India 4 : 649. 1885; Gamble, Fl. Pres. Madras 2 : 796. 1957 (repr. ed.).

A slender aromatic herb, in hills.

Distrib.: Nilgiri (CAL).

Nepeta hindostana (Roth) Haines, Bot. Bihar Orissa 744. 1922. *Glechoma hindostana* Roth, Nov. Pl. Sp. 259. 1821. *Nepeta ruderalis* Buch.-Ham. ex Benth. in Wall. Pl. Asiat. Rar. 1 : 64. 1830; Hook. f. Fl. Brit. India 4 : 661. 1885; Gamble, Fl. Pres. Madras 2 : 810. 1957 (repr. ed.).

An erect or ascending, annual aromatic herb.

Distrib.: Nilgiri. E.

Ocimum americanum L. Cent. Pl. 1 : 15. 1755; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 376. 1978. *O. canum* Sims in Bot. Mag. t. 2452. 1823; Hook. f. Fl. Brit. India 4 : 607. 1885; Mukerjee in Rec. Bot. Surv. India 14 : 17. 1940; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

Tamil: *Ganjamkorai, Nayitulasi*.

An erect, much-branched herb; occasionally cultivated in gardens. E.

Ocimum basilicum L. Sp. Pl. 597. 1753, var. **basilicum**; Hook. f. Fl. Brit. India 4 : 608. 1885; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

Tamil: *Tirunutpatchi, Karpuratulasi*.

An erect herb, cultivated; often found run wild.

Ocimum basilicum L. var. **pilosum** Benth. Labiat. Gen. Sp. 4. 1832; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

A slender hispid-pubescent herb, cultivated in gardens and runs wild.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Pudukkottai (RHT), Ramanathapuram, South Arcot.

Ocimum basilicum L. var. *purpurascens* Benth. Labiat. Gen. Sp. 5. 1832; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

Tamil: *Karunthulasi*.

A slender herb, cultivated.

Ocimum basilicum L. var. *thyriflorum* Benth. Labiat. Gen. Sp. 5. 1832; Wight, Ic. t. 868. 1845; Hook. f. Fl. Brit. India 4 : 608. 1885; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

A stout herbaceous plant, cultivated in gardens.

Ocimum gratissimum L. Sp. Pl. 1197. 1753; Jacq. Ic. Pl. Rar. 3. t. 495. 1781; Hook. f. Fl. Brit. India 4 : 608. 1885; Gamble, Fl. Pres. Madras 2 : 777. 1957 (repr. ed.).

Tamil: *Elumichantulsi*, *Perumtulasi*.

A much-branched shrub, in wastelands.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli, E.

Ocimum tenuiflorum L. Sp. Pl. 597. 1753; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 378. 1978. *O. sanctum* L. Mant. Pl. 85. 1767; Hook. f. Fl. Brit. India 4 : 609. 1885; Gamble, Fl. Pres. Madras 2 : 778. 1957 (repr. ed.).

Tamil: *Tulsi*, *Nallathulasi*.

An erect, much-branched undershrub, cultivated in pots or on pedestals at all Hindu homesteads and temples and frequently found run wild. E.

Orthosiphon aristatus (Blume) Miq. Fl. Ind. Bat. 2 : 943. 1858. *Ocimum*

aristatum Blume, Bijdr. 833. 1826. *Orthosiphon stamineus* Benth. in Wall. Pl. Asiat. Rar. 2 : 15. 1830-1831; Curtis, Bot. Mag. t. 5838. 1870; Hook. f. Fl. Brit. India 4 : 615. 1885; Gamble, Fl. Pres. Madras 2 : 780. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Coimbatore. E. R.

Orthosiphon comosus Wight ex Benth. in DC. Prodr. 12 : 52. 1848; Hook. f. Fl. Brit. India 4 : 615. 1885; Gamble, Fl. Pres. Madras 2 : 780. 1957 (repr. ed.). *O. bracteatus* Wight, Ic. t. 1428. 1849.

A striking and handsome shrub, in hills.

Distrib.: Kanniyakumari, Tirunelveli.

Orthosiphon pallidus Benth. Labiat. Gen. Sp. 708. 1835; Hook. f. Fl. Brit. India 4 : 613. 1885; Gamble, Fl. Pres. Madras 2 : 779. 1957 (repr. ed.).

A low diffuse undershrub, in wetlands near streams and rice fields.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore, Nilgiri (Mukerjee 1940), Thanjavur; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Orthosiphon rubicundus (D. Don) Benth. in Wall. Pl. Asiat. Rar. 2 : 41. 1830-1831, var. *rubicundus*; Hook. f. Fl. Brit. India 4 : 614. 1885; Gamble, Fl. Pres. Madras 2 : 779. 1957 (repr. ed.). *Plectranthus rubicundus* D. Don, Prodr. Fl. Nep. 116. 1825, "*rubicunda*".

An erect much-branched herb, in deciduous forests.

Distrib.: Coimbatore, Nilgiri. E.

Orthosiphon rubicundus (D. Don) Benth. var. *bohenackeri* Hook. f. Fl. Brit. India 4 : 615. 1885; Gamble, Fl. Pres. Madras 2 : 780. 1957 (repr. ed.).

A small herb.

Distrib.: Nilgiri (Mukerjee 1940).
O. R.

Orthosiphon thymiflorus (Roth) Sleensen in Reinwardtia 5 : 42. 1959; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 381. 1978. *Ocimum thymiflorum* Roth, Nov. Pl. Sp. 269. 1821. *Orthosiphon tomentosus* Benth. in Wall. Pl. Asiat. Rar. 2 : 14. 1830-1831; Hook. f. Fl. Brit. India 4 : 613. 1885 incl. vars. *O. glabratus* Benth. in Wall. Pl. Asiat. Rar. 2 : 14. 1830-1831; Gamble, Fl. Pres. Madras 2 : 779. 1957 (repr. ed.) incl. var. *parviflorus*. *O. viscosus* Benth. in Wall. Pl. Asiat. Rar. 2 : 41. 1830-1831; Gamble, Fl. Pres. Madras 2 : 779. 1957 (repr. ed.) incl. var. *rubiginosus*. *O. diffusus* (Benth.) Benth. in DC. Prodr. 12 : 50. 1848; Hook. f. Fl. Brit. India 4 : 613. 1885; Gamble, Fl. Pres. Madras 2 : 779. 1957 (repr. ed.). *Ocimum diffusum* Benth. in Wall. Pl. Asiat. Rar. 2 : 14. 1830-1831.

An erect herb, in dry open places.

Distrib.: In most of the districts. E.

Plectranthus amboinicus (Lour.) Spreng. Syst. Veg. 2 : 690. 1825; Willemsse in Blumea 25 : 509. 1979. *Coleus amboinicus* Lour. Fl. Cochinch. 2 : 372. 1790; Gamble, Fl. Pres. Madras 2 : 786. 1957 (repr. ed.). *C. aromaticus* Benth. in Wall. Pl. Asiat. Rar. 2 : 15. 1830-1831; Wight, Ill. 2 : t. 175. 1850; Hook. f. Fl. Brit. India 4 : 625. 1885.

Tamil: *Karpuravalli*.

A fleshy shrub, strongly aromatic; cultivated and found run wild.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli.

Plectranthus barbatus Andr. Bot. Repos. 9 : t. 594. 1809; Codd in Bothalia 11 : 394. 1975. *Coleus forskohlii* (Willd.)

Briq. in Engler & Prantl, Pflanzenf. 4 (3a) : 359. 1897. *Plectranthus forskohlii* Willd. Sp. Pl. 3 : 169. 1800, non Vahl 1790. *Coleus barbatus* (Andr.) Benth. in Wall. Pl. Asiat. Rar. 2 : 15. 1830-1831; Wight, Ic. t. 1432. 1849; Hook. f. Fl. Brit. India 4 : 625. 1885; Gamble, Fl. Pres. Madras 2 : 786. 1957 (repr. ed.).

A perennial herb, often cultivated in gardens. E.

Plectranthus bishopianus Gamble in Kew Bull. 1924 : 265. 1924 & Fl. Pres. Madras 2 : 785. 1957 (repr. ed.).

A large erect, slightly fleshy undershrub, in sholas.

Distrib.: Madurai (Gamble 1957). R. +.

Plectranthus bourneae Gamble in Kew Bull. 1924 : 264. 1924 & Fl. Pres. Madras 2 : 785. 1957 (repr. ed.).

A large succulent undershrub, on rocks in hills.

Distrib.: Madurai (CAL), Nilgiri (Gamble 1957). R. +.

Plectranthus caninus Roth, Nov. Pl. Sp. 279. 1821; H. Keng in Steenis, Fl. Males. ser. 1. 8 : 392. 1978. *Coleus spicatus* Benth. in Wall. Pl. Asiat. Rar. 2 : 15. 1830-1831; Wight, Ic. t. 1431. 1849; Hook. f. Fl. Brit. India 4 : 624. 1885; Gamble, Fl. Pres. Madras 2 : 786. 1957 (repr. ed.).

A perennial fleshy herb, in arid places on rocky ground among bushes.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Pudukkottai (RHT), Salem, South Arcot (Matthew 1981).

Plectranthus coleoides Benth. in DC. Prodr. 12 : 64. 1848; Hook. f. Fl. Brit. India 4 : 622. 1885; Gamble, Fl. Pres. Madras 2 : 785. 1957 (repr. ed.). *Coleus wightii* Benth. Labiat. Gen. Sp. 58. 1832,

non *Plectranthus wightii* Benth. 1832; Wight, Ic. t. 1433. 1849.

A succulent herb, in wet places in hilly regions.

Distrib.: Coimbatore, Kanniyakumari (UCT), Madurai, Nilgiri, Salem.

Plectranthus deccanicus Briq. in *Annuaire Conserv. Jard. Bot. Geneve* 234. 1898. *P. fruticosus* (Benth.) Wight ex Hook. f. *Fl. Brit. India* 4 : 623. 1885, non L' Herit. 1788; Gamble, *Fl. Pres. Madras* 2 : 785. 1957 (repr. ed.). *Coleus fruticosus* Benth. in *DC. Prodr.* 12 : 78. 1848.

A large succulent undershrub, on banks of lakes and streams.

Distrib.: Coimbatore and Madurai (CAL), Nilgiri (Gamble 1957).

Plectranthus japonicus (Burm. f.) Koidz. in *Bot. Mag. (Tokyo)* 43 : 386. 1929, var. ***japonicus***. *Scutellaria japonica* Burm. f. *Fl. Ind.* 130. 1768. *Plectranthus coetsa* Buch.-Ham. ex D. Don, *Prodr. Fl. Nep.* 117. 1825; Hook. f. *Fl. Brit. India* 4 : 619. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.). *P. menthoides* Benth. in *Wall. Pl. Asiat. Rar.* 2 : 17. 1830-1831; Hook. f. *Fl. Brit. India* 4 : 620. 1885. *Rabdosia japonica* (Burm. f.) Hara in *J. Jap. Bot.* 47 : 196. 1972.

A tall herb, along forest edges, forest clearings and in scrub jungles.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem.

Plectranthus japonicus (Burm. f.) Koidz. var. ***macraei*** (Benth.) Srinivasan comb. nov. *P. macraei* Benth. *Labiata. Gen. Sp.* 42. 1832; Wight, Ic. t. 1430. 1849. *P. coetsa* Buch.-Ham. ex D. Don var. ***macraei*** (Benth.) Hook. f. ex Gamble, *Fl. Pres. Madras* 1121. 1924 & 2 : 784. 1957 (repr. ed.).

A tall herb, in moist places, in hilly regions.

Distrib.: Madurai (Gamble 1957), Nilgiri, Salem.

Plectranthus malabaricus (Benth.) Willemse in *Blumea* 25 : 509. 1979. *Coleus malabaricus* Benth. in *Wall. Pl. Asiat. Rar.* 2 : 16. 1830-1831; Hook. f. *Fl. Brit. India* 4 : 626. 1885; Gamble, *Fl. Pres. Madras* 2 : 786. 1957 (repr. ed.).

A tall herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Plectranthus mollis (Ait.) Spreng. *Syst. Veg.* 2 : 690. 1825. *Ocimum molle* Ait. *Hort. Kew. ed. 1.* 2 : 322. 1789. *Plectranthus incanus* Link, *Enum. Pl. Hort. Berol.* 2 : 120. 1822; Hook. f. *Fl. Brit. India* 4 : 621. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli; Dharmapuri and South Arcot (Matthew 1981).

Plectranthus nigrescens Benth. *Labiata. Gen. Sp.* 710. 1835; Hook. f. *Fl. Brit. India* 4 : 617. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.). *Rabdosia nigrescens* (Benth.) Hara in *J. Jap. Bot.* 47 : 198. 1972.

A slender erect herb, in hills.

Distrib.: Madurai (CAL).

Plectranthus nilgherricus Benth. in *DC. Prodr.* 12 : 57. 1848; Hook. f. *Fl. Brit. India* 4 : 619. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.). *Rabdosia nilgherrica* (Benth.) Hara in *J. Jap. Bot.* 47 : 198. 1972.

A tall herb in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri.

Plectranthus rivularis Wight ex Hook. f. *Fl. Brit. India* 4 : 617. 1885; Gamble, *Fl. Pres. Madras* 2 : 783. 1957 (repr. ed.). *Rabdosia rivularis* (Wight ex Hook. f.) Hara in *J. Jap. Bot.* 47 : 199. 1972.

A tall herb, in wet places in hills.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (Mukerjee 1940).

Plectranthus rotundifolius (Poir.) Spreng. *Syst. Veg.* 2 : 690. 1825. *Germanea rotundifolia* Poir. in *Lam. Encycl. Suppl.* 2 : 763. 1812. *Coleus parviflorus* Benth. in *DC. Prodr.* 12 : 72. 1848; Hook. f. *Fl. Brit. India* 4 : 625. 1885; Gamble, *Fl. Pres. Madras* 2 : 786. 1957 (repr. ed.). *C. rotundifolius* (Poir.) A. Cheval. & Perrot in *A. Cheval. Veg. Ut. Afr. Trop. Franc.* 1 : 101. 1905.

A soft and fleshy herb, prostrate or ascending with tuberous roots; sometimes cultivated for its edible tubers. E.

Plectranthus scutellarioides (L.) R. Br. *Prodr.* 506. 1810. *Ocimum scutellarioides* L. *Sp. Pl. ed.* 2 : 834. 1763. *Coleus scutellarioides* (L.) Benth. in *Wall. Pl. Asiat. Rar.* 2 : 16. 1830-1831. *C. blumei* Benth. *Labiata. Gen. Sp.* 56. 1832; Gamble, *Fl. Pres. Madras* 2 : 786. 1957 (repr. ed.).

A herb with erect slender stem, cultivated in gardens.

Plectranthus stocksii Hook. f. *Fl. Brit. India* 4 : 618. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.).

A slender annual decumbent herb, in hills.

Distrib.: Nilgiri.

Plectranthus subincisus Benth. in *Wall. Pl. Asiat. Rar.* 2 : 16. 1830-1831; Hook.

f. *Fl. Brit. India* 4 : 621. 1885; Gamble, *Fl. Pres. Madras* 2 : 785. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Madurai (Hook. f. 1885), Tirunelveli (Gamble 1957). R. +.

Plectranthus urticifolius Hook. f. *Fl. Brit. India* 4 : 622. 1885; Gamble, *Fl. Pres. Madras* 2 : 785. 1957 (repr. ed.).

A succulent herb, in hills.

Distrib.: Madurai (FRC), Tirunelveli (Gamble 1957).

Plectranthus vettiveroides (Jacob) Singh & Sharma in *J. Bombay Nat. Hist. Soc.* 79 : 712. 1982. *Coleus vettiveroides* Jacob in *J. Bombay Nat. Hist. Soc.* 42 : 320. 1941.

Tamil: *Kuruver, Vettiver.*

A small succulent herb, mostly cultivated. E.

Plectranthus walkeri Arn. in *Nova Acta Phys.-Med. Acad. Caes. Leop-Carol. Nat. Cur.* 18 : 354. 1836; Hook. f. *Fl. Brit. India* 4 : 617. 1885; Gamble, *Fl. Pres. Madras* 2 : 783. 1957 (repr. ed.). *Rabdosia walkeri* (Arn.) Hara in *J. Jap. Bot.* 47 : 202. 1972.

A small herb, on banks of streams in hills.

Distrib.: Coimbatore, Tirunelveli.

Plectranthus wightii Benth. *Labiata. Gen. Sp.* 41. 1832; Wight, *Ic. t.* 1429. 1849; Hook. f. *Fl. Brit. India* 4 : 619. 1885; Gamble, *Fl. Pres. Madras* 2 : 784. 1957 (repr. ed.). *P. pulneyensis* Hook. f. *Fl. Brit. India* 4 : 617. 1885. *P. nepetaefolius* Benth. in *DC. Prodr.* 12 : 57. 1848; Hook. f. *Fl. Brit. India* 4 : 619. 1885. *Rabdosia wightii* (Benth.) Hara in *J. Jap. Bot.* 47 : 203. 1972.

A tall herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli.

Pogostemon atropurpureus Benth. in DC. Prodr. 12 : 154. 1848; Hook. f. Fl. Brit. India 4 : 636. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

An erect shrub, in moist localities.

Distrib.: Nilgiri. R.

Pogostemon auricularius (L.) Hassk. in Tijdschr. Natuurl. Gesch. Physiol. 10 : 127. 1843, "*Pogonostemon*". *Mentha auricularia* L. Mant. Pl. 81. 1767. *Dysophylla auricularia* (L.) Blume, Bijdr. 825. 1826; Wight, Ic. t. 1445. 1849; Hook. f. Fl. Brit. India 4 : 638. 1885; Gamble, Fl. Pres. Madras 2 : 794. 1957 (repr. ed.).

A slender erect annual herb, in hills.

Distrib.: Madurai, Nilgiri, Salem, Tiruchchirappalli. E.

Pogostemon benghalensis (Burm. f.) Kuntze, Rev. Gen. Pl. 2 : 529. 1891. *Origanum benghalense* Burm. f. Fl. Ind. 128. t. 38. f. 3. 1768. *Pogostemon plectranthoides* Desf. in Ann. Mus. Natl. Hist. Nat. 2 : 156. t. 6. 1808; Hook. f. Fl. Brit. India 4 : 632. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

A large erect, aromatic branched bushy shrub, in deciduous forests.

Distrib.: Coimbatore, Nilgiri, Salem Tiruchchirappalli. E.

Pogostemon gardneri Hook. f. Fl. Brit. India 4 : 632. 1885; Gamble, Fl. Pres. Madras 2 : 792. 1957 (repr. ed.).

A soft branched herb.

Distrib.: Nilgiri.

Pogostemon heyneanus Benth. in Wall. Pl. Asiat. Rar. 1 : 3f. 1830; Wight, Ic. t. 1440. 1849; Gamble, Fl. Pres. Madras 2 : 792. 1957 (repr. ed.). *P. patchouli* sensu Hook. f. Fl. Brit. India 4 : 633. 1885, non Pellet. 1844 excl. var. *suaavis*.

Tamil: *Kadirpachai*.

An erect herb, strongly aromatic.

Distrib.: Dharmapuri, Nilgiri (Gamble 1957), Thanjavur, Tiruchchirappalli (RHT), Tirunelveli.

Pogostemon mollis Benth. Labiat. Gen. Sp. 155. 1833; Hook. f. Fl. Brit. India 4 : 635. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

Tamil: *Thirikkozhuthi*.

A much-branched undershrub, along edges of sholas.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli (CAL).

Pogostemon myosuroides (Roth) El Gazzar & L. Watson in Taxon 16 : 187. 1967. *Mentha myosuroides* Roth. Nov. Pl. Sp. 257. 1821. *Dysophylla myosuroides* (Roth) Benth. in Wall. Cat. 42. n. 1547. 1828 & Pl. Asiat. Rar. 1 : 30. 1830; Hook. f. Fl. Brit. India 4 : 638. 1885; Gamble, Fl. Pres. Madras 2 : 795. 1957 (repr. ed.).

An erect much-branched perennial herb.

Distrib.: Chengalpattu (HIFP).

Pogostemon nilagiricus Gamble, Fl. Pres. Madras 1134. 1924 & 2 : 793. 1957 (repr. ed.). *P. rotundatus* sensu Wight, Ic. t. 1441. 1849, non Benth. 1830.

A soft herb.

Distrib.: Nilgiri (Gamble 1957). O. R. +.

Pogostemon paludosus Benth. in DC. Prodr. 12 : 154. 1848; Hook. f. Fl. Brit. India 4 : 635. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

A slender erect herb, in wet places.

Distrib.: Nilgiri. O. R.

Pogostemon paniculatus (Willd.) Benth. in Wall. Pl. Asiat. Rar. 1 : 30. 1830; Hook. f. Fl. Brit. India 4 : 631. 1885; Gamble, Fl. Pres. Madras 2 : 792. 1957 (repr. ed.). *Elsholtzia paniculata* Willd. Sp. Pl. 3 : 59. 1800.

An erect herb, in ghats.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981).

Pogostemon pubescens Benth. in DC. Prodr. 12 : 152. 1848; Gamble, Fl. Pres. Madras 2 : 792. 1957 (repr. ed.). *P. parviflorus* Benth. in Wall. Pl. Asiat. Rar. 1 : 31. 1830 p.p.; Hook. f. Fl. Brit. India 4 : 632. 1885 p.p.

A stout erect nearly glabrous herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli. E.

Pogostemon purpurascens Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 337. 1850; Hook. f. Fl. Brit. India 4 : 632. 1885; Gamble, Fl. Pres. Madras 2 : 792. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore, Tirunelveli. E.

Pogostemon rotundatus Benth. in Wall. Pl. Asiat. Rar. 1 : 31. 1830; Hook. f. Fl. Brit. India 4 : 636. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

A herb with erect branches, in hills.

Distrib.: Coimbatore (Fischer 1921), Salem (Matthew 1981). R. +.

Pogostemon rugosus (Hook. f.) El Gazzar & L. Watson in Taxon 16 : 187. 1967. *Dysophylla rugosa* Hook. f. Fl. Brit. India 4 : 638. 1885; Gamble, Fl. Pres. Madras 2 : 795. 1957 (repr. ed.).

An erect perennial herb, in hills.

Distrib.: Tirunelveli (Gamble 1957). R. +.

Pogostemon speciosus Benth. in Wall. Pl. Asiat. Rar. 1 : 31. 1830; Wight, Ic. t. 1443. 1849; Hook. f. Fl. Brit. India 4 : 637. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

A shrub, along edges of sholas.

Distrib.: Coimbatore (CAL), Nilgiri.

Pogostemon vestitus Benth. in Wall. Pl. Asiat. Rar. 1 : 31. 1830; Hook. f. Fl. Brit. India 4 : 636. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

A densely woolly undershrub with ascending branches.

Distrib.: Tiruchchirappalli (RHT).

Pogostemon wightii Benth. Labiat. Gen. Sp. 155. 1833; Hook. f. Fl. Brit. India 4 : 635. 1885; Gamble, Fl. Pres. Madras 2 : 793. 1957 (repr. ed.).

An erect herb, in hilly regions.

Distrib.: Coimbatore (Hook. f. 1885), Madurai, Nilgiri.

Prunella vulgaris L. Sp. Pl. 600. 1753, var. *vulgaris*; Hook. f. Fl. Brit. India 4 : 670. 1885; Gamble, Fl. Pres. Madras 2 : 799. 1957 (repr. ed.), "*Brunella*".

An erect or ascending herb with creeping rootstock; glabrous or sparingly hairy.

Distrib.: Madurai, Nilgiri.

Prunella vulgaris L. var. *hispida* (Benth.) Benth. in DC. Prodr. 12 : 410. 1848; Wight, Ic. t. 1448. 1849; Hook. f. Fl. Brit. India 4 : 671. 1885; Gamble, Fl. Pres. Madras 2 : 799. 1957 (repr. ed.). *Brunella hispida* Benth. in Wall. Pl. Asiat. Rar. 1 : 66. 1830.

A hispidly hairy herb with creeping rootstock, in grasslands.

Distrib.: Madurai, Nilgiri. E.

Rosmarinus officinalis L. Sp. Pl. 23. 1753; Gamble, Man. Ind. Timb. ed. 2. 546. 1902.

An evergreen shrub, cultivated in gardens. E.

Salvia coccinea Buc'hoz ex Etlinger, *Salvia* 23. 1777; Murr. in *Commentat. Soc. Regiae. Sci. Gott.* 1 : 86. t. 1. 1778.

An erect, strongly aromatic, annual herb; cultivated in gardens for ornamental and medicinal purposes. E.

Salvia farinacea Benth. *Labiata. Gen. Sp.* 274. 1833.

A herb, cultivated in gardens. E.

Salvia grahamii Benth. in *Edward's Bot. Reg.* 16 : t. 1370. 1830.

A herb, planted in gardens. E.

Salvia involucrata Cav. *Ik.* 2 : 3. t. 105. 1793.

A shrub, introduced in gardens. E.

Salvia leucantha Cav. *Ik.* 1 : 16. t. 24. 1791; Matthew in *Rec. Bot. Surv. India* 20(1) : 185. 1969.

A densely woolly shrub; cultivated as an ornamental. E.

Salvia officinalis L. *Sp. Pl.* 23. 1753; Gamble, *Fl. Pres. Madras* 2 : 808. 1957 (repr. ed.).

An undershrub; cultivated in gardens as an ornamental. E.

Salvia patens Cav. *Ik.* 5 : 33. t. 454. 1789.

A perennial herb, cultivated in gardens as an ornamental. E.

Salvia plebeia R. Br. *Prodr.* 501. 1810; Hook. f. *Fl. Brit. India* 4 : 655. 1885; Gamble, *Fl. Pres. Madras* 2 : 808. 1957 (repr. ed.).

A small erect annual herb, on roadsides and in wastelands.

Distrib.: Coimbatore, Dharmapuri, Thanjavur, Tiruchchirappalli (RHT). E.

Salvia rutilans Carr. in *Rev. Hortic.* 251. 1873.

A herb, cultivated in gardens. E.

Salvia splendens Sell. ex Nees in *Weid. Neutwled. Reise Bras.* 2 : 335. 1821.

A shrub or undershrub, often cultivated in gardens as an ornamental. E.

Salvia uliginosa Benth. *Labiata. Gen. Sp.* 251. 1833.

An erect herb.

Distrib.: Nilgiri. E.

Salvia verbenacea L. *Sp. Pl.* 25. 1753.

A herb, cultivated in gardens as an ornamental. E.

Satureja umbrosa (Bieb.) Scheele in *Flora* 26 : 577. 1843; H. Keng in *Steenis, Fl. Males. ser.* 1. 8 : 361. 1978. *Melissa umbrosa* Bieb. *Fl. Taur.-Cauc.* 2 : 63. 1808. *Calamintha umbrosa* (Bieb.) Reichb. *Fl. Germ. Exc.* 1 : 329. 1830; Hook. f. *Fl. Brit. India* 4 : 650. 1885; Gamble, *Fl. Pres. Madras* 2 : 797. 1957 (repr. ed.).

A small procumbent or decumbent herb, in moist forests at high levels.

Distrib.: Coimbatore (Hook. f. 1885), Madurai, Nilgiri. E.

Scutellaria colcbrookiana Benth. in *Wall. Pl. Asiat. Rar.* 1 : 67. 1830; Gamble, *Fl. Pres. Madras* 2 : 799. 1957 (repr. ed.). *S. violacea* Heyne ex Benth. var. *colcbrookiana* (Benth.) Hook. f. *Fl. Brit. India* 4 : 668. 1885.

A weak straggling herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Scutellaria rivularis Benth. in *Wall. Pl. Asiat. Rar.* 1 : 66. 1830; Wight, *Ik.* t.

1450. 1849; Hook. f. Fl. Brit. India 4 : 670. 1885; Gamble, Fl. Pres. Madras 2 : 799. 1957 (repr. ed.).

A much-branched herb, in wet places near streams.

Distrib.: Coimbatore (Fischer 1921), Nilgiri.

Scutellaria violacea Heyne ex Benth. in Wall. Pl. Asiat. Rar. 1 : 66. 1830; Wight, Ic. t. 1449. 1849; Hook. f. Fl. Brit. India 4 : 668. 1885 p.p.; Gamble, Fl. Pres. Madras 2 : 798. 1957 (repr. ed.).

A straggling herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Scutellaria wightiana Benth. in Wall. Pl. Asiat. Rar. 1 : 67. 1830; Gamble, Fl. Pres. Madras 2 : 798. 1957 (repr. ed.). *S. violacea* Heyne ex Benth. var. *hispidior* Benth. in DC. Prodr. 12 : 418. 1848; Hook. f. Fl. Brit. India 4 : 668. 1885.

An erect herb, in hills.

Distrib.: Coimbatore (Fischer 1921), Kanniyakumari, Madurai, Nilgiri.

Teucrium fruticans L. Sp. Pl. 563. 1753. Cultivated in gardens. E.

Teucrium plectranthoides Gamble in Kew Bull. 1924 : 266. 1924 & Fl. Pres. Madras 2 : 810. 1957 (repr. ed.).

A slender erect herb, in hilly regions.

Distrib.: Tirunelveli. O.

Teucrium tomentosum Heyne ex Benth. in Wall. Pl. Asiat. Rar. 1 : 58. 1830; Hook. f. Fl. Brit. India 4 : 700. 1885; Gamble, Fl. Pres. Madras 2 : 809. 1957 (repr. ed.).

An erect herb, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram,

Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Teucrium wightii Hook. f. Fl. Brit. India 4 : 711. 1885; Gamble, Fl. Pres. Madras 2 : 810. 1957 (repr. ed.). *T. tomentosum* sensu Wight, Ic. t. 1458. 1849, non Heyne ex Benth. 1830.

A thick stout herb, on dry rocky places in hills.

Distrib.: Nilgiri. O.

PLANTAGINACEAE

G.R. KUMARI

Plantago afra L. Sp. Pl. ed. 2. 1 : 168. 1762; Panigrahi in Kew Bull. 30 : 670. 1975. *P. psyllium* sensu L. Sp. Pl. ed. 2. 1 : 167. 1762, non L. 1753; Hook. f. Fl. Brit. India 4 : 707. 1885.

A small much-branched delicate herb with tubercled hairs at base of leaves along margins.

Distrib.: Salem. R.

Plantago erosa Wall. in Roxb. Fl. Ind. 1 : 423. 1820; Pilger in Engler, Pflanzenr. 20 : 60. 1937. *P. major* sensu Hook. f. Fl. Brit. India 4 : 705. 1885 p.p., non L. 1753. *P. asiatica* auct. non L. 1753; Wight, Ill. 2 : t. 177. 1850; Gamble, Fl. Pres. Madras 2 : 811. 1957 (repr. ed.).

A perennial herb with radical leaves, along roadsides and in waste places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Plantago exigua Juss. ex Murr. in Commentat. Soc. Regiae Sci. Gott. 1778 : 94. t. 5. ff. 1-3. 1779; Panigrahi in Kew Bull. 30 : 671. 1975. *P. pumila* L. f. Suppl. Pl. 125. 1781; Hook. f. Fl. Brit. India 4 : 707. 1885.

An annual herb, delicately branched with somewhat fleshy, subulate leaves with reflexed apex.

Distrib.: "Tamil Nadu" (Panigrahi 1975).

Plantago lanceolata L. Sp. Pl. 113. 1753; Hook. f. Fl. Brit. India 4 : 706. 1885; Gamble, Fl. Pres. Madras 2 : 811. 1957 (repr. ed.).

A herb.

Distrib.: Nilgiri. E.

Plantago ovata Forssk. Fl. Aeg.-Arab. 31. 1775; Bentley & Trim. Med. Pl. t. 211. 1877; Hook. f. Fl. Brit. India 4 : 707. 1885.

More or less acaulescent plants; cultivated. E.

NYCTAGINACEAE

G.R. KUMARI

***Boerhavia chinensis** (L.) Asch. & Schweinf. in Schweinf. Beitr. Fl. Aethiop. 1 : 167. 1867, "*Boerhaavia*". *Valeriana chinensis* L. Sp. Pl. 33. 1753. *Boerhavia repanda* Willd. Sp. Pl. 1 : 22. 1797; Wight, Ic. t. 1766. 1852; Hook. f. Fl. Brit. India 4 : 709. 1885; Gamble, Fl. Pres. Madras 2 : 814. 1957 (repr. ed.).

A diffuse herb, in dry districts, often found climbing among bushes; fruits with conspicuous viscid glands.

Distrib.: In most of the districts.

Boerhavia crispa Heyne ex Hook. f. Fl. Brit. India 4 : 709. 1885; Gamble, Fl. Pres. Madras 2 : 814. 1957 (repr. ed.).

A stout, very scabrid herb.

Distrib.: Nilgiri.

Boerhavia diffusa L. Sp. Pl. 3. 1753; Gamble, Fl. Pres. Madras 2 : 814. 1957 (repr. ed.). *B. repens* L. Sp. Pl. 3. 1753; Hook. f. Fl. Brit. India 4 : 709. 1885.

*Fosberg (1978) is followed, in adopting a broad generic concept of *Boerhavia* L.

B. procumbens Banks ex Roxb. Fl. Ind. 1 : 148. 1820; Wight, Ic. t. 874. 1844-1845.

Tamil: *Mukurattai*, *Mukaratte*.

A diffuse herb with red flowers, in wastelands and along roadsides.

Distrib.: Almost all districts. E.

Boerhavia erecta L. Sp. Pl. 3. 1753; Nair in Bull. Bot. Surv. India 9 : 283. 1967. *B. pundarava* Saha & Krishnam. in J. Sci. Industr. Res., C. Biol. Sci. 21 : 254. 1962.

A herb, generally found near roadsides, railway tracks and waste places.

Distrib.: Coimbatore, South Arcot (Matthew 1981), Tiruchchirappalli (RHT).

Boerhavia helenae Schultes in Roem. & Schultes, Mant. 1 : 73. 1822. *B. stellata* Wight, Ic. t. 875. 1844-1845. *B. verticellata* sensu Hook. f. Fl. Brit. India 4 : 710. 1885, non Poir. 1804; Gamble, Fl. Pres. Madras 2 : 814. 1957 (repr. ed.).

A diffuse herb, in dry districts often on black cotton soil.

Distrib.: Coimbatore, Kanniyakumari, South Arcot (Matthew 1981).

Bougainvillea buttiana Holtum & Standley in Publ. Field Mus. Nat. Hist. Bot. Ser. 23 : 44. 1944; Matthew in Rec. Bot. Surv. India 20(1) : 187. 1969.

An evergreen, extensively climbing spiny shrub; cultivated. E.

Bougainvillea glabra Choisy in DC. Prodr. 13(2) : 437. 1849; Gamble, Fl. Pres. Madras 2 : 815. 1957 (repr. ed.).

A large thorny climbing shrub with magenta coloured bracts; very common in gardens. E.

Bougainvillea spectabilis Willd. Sp. Pl. 2 : 348. 1799; Gamble, Fl. Pres. Madras 2 : 815. 1957 (repr. ed.).

Plants hairy; flowers in large panicles; bracts deep rose coloured, but varying to purple and greenish. Very common in gardens. **E.**

Mirabilis jalapa L. Sp. Pl. 177. 1753; Gamble, Fl. Pres. Madras 2 : 815. 1957 (repr. ed.).

Tami: *Pattarachi, Pattarashu.*

A large herb, grown in gardens and often run wild. **E.**

Mirabilis longiflora L. in Kongl. Svenska Vetensk. Acad. Handl. 176. t. 6. f. 1. 1755.

Plants glandular-pubescent; cultivated in gardens. **E.**

Pisonia aculeata L. Sp. Pl. 1026. 1753; Wight, Ic. tt. 1763 & 1764. 1852; Hook. f. Fl. Brit. India 4 : 711. 1885; Gamble, Fl. Pres. Madras 2 : 815. 1957 (repr. ed.).

Tamil: *Karindu, Murukkalli, Muruvilikkodi.*

A large thorny climbing shrub, in dry forests.

Distrib.: Almost all districts.

Pisonia grandis R. Br. Prodr. 422. 1810. *P. alba* Span. in Linnaea 15 : 342. 1841; Hook. f. Fl. Brit. India 4 : 711. 1885 p.p. *P. morindifolia* R. Br. ex Wight, Ic. t. 1765. 1852, "*mornisbifolia*"; Gamble, Fl. Pres. Madras 2 : 815. 1957 (repr. ed.).

Tamil: *Ilachaikkettayilai, Muruval, Chandu.*

A small tree, in forests near sea; frequently found in gardens. **R.**

AMARANTHACEAE

G.R. KUMARI

Achyranthes aspera L. Sp. Pl. 204. 1753, var. *aspera*; Wight, Ic. t. 1777. 1852; Hook. f. Fl. Brit. India 4 : 730.

1885; Gamble, Fl. Pres. Madras 2 : 823. 1957 (repr. ed.).

Tamil: *Nayurivi.*

An erect herb, along roadsides and in waste places.

Distrib.: Almost all districts. **E.**

Achyranthes aspera L. var. *porphyristachya* (Wall. ex Moq.) Hook. f. Fl. Brit. India 4 : 730. 1885; Gamble, Fl. Pres. Madras 2 : 824. 1957 (repr. ed.). *A. porphyristachya* Wall. ex Moq. in DC. Prodr. 13(2) : 316. 1849.

A diffusely branched herb.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Ramanathapuram, Salem.

Achyranthes aspera L. var. *rubro-fusca* (Wight) Hook. f. Fl. Brit. India 4 : 730. 1885; Gamble, Fl. Pres. Madras 2 : 823. 1957 (repr. ed.). *A. rubro-fusca* Wight, Ic. t. 1778. 1852.

A herb; leaves brown when dry.

Distrib.: Nilgiri.

Achyranthes bidentata Blume, Bijdr. 545. 1826; Wight, Ic. t. 1779. 1852; Hook. f. Fl. Brit. India 4 : 730. 1885; Gamble, Fl. Pres. Madras 2 : 824. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Aerva lanata (L.) Juss. ex Schultes in Ann. Mus. Hist. Nat. 11 : 131. 1808; Wight, Ic. t. 723. 1840; Hook. f. Fl. Brit. India 4 : 728. 1885; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.). *Achyranthes lanata* L. Sp. Pl. 204. 1753.

Tamil: *Sirupulai.*

A much-branched undershrub with small flower-spikes.

Distrib.: Almost all districts. **E.**

Aerva persica (Burm. f.) Merr. in Philipp. J. Sci 19 : 348. 1928; Bhandari, Fl. Ind. Desert 320. 1978. *Iresine persica* Burm. f. Fl. Ind. 212. 1768. *Aerva javanica* (Burm. f.) Juss. ex Schultes in Roem. & Schultes, Syst. 5 : 565. 1819; Wight, Ic. t. 876. 1844-1845; Hook. f. Fl. Brit. India 4 : 727. 1885. *Iresine javanica* Burm. f. Fl. Ind. 212. 1768. *Aerva tomentosa* Forssk. Fl. Aeg.-Arab. 122, 727. 1775; Gamble, Fl. Pres. Madras 2 : 824. 1957 (repr. ed.).

Tamil: *Perumbulai*, *Pulaippu*.

An undershrub.

Distrib.: Almost all districts.

Aerva sanguinolenta (L.) Blume, Bijdr. 547. 1826. *Achyranthes sanguinolenta* L. Sp. Pl. ed. 2. 1 : 294. 1762. *Aerva scandens* (Roxb.) Wall. ex Moq. in DC. Prodr. 13(2) : 302. 1849; Hook. f. Fl. Brit. India 4 : 727. 1885; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.). *Achyranthes scandens* Roxb. Fl. Ind. 2 : 509. 1824; Fischer in Rec. Bot. Surv. India 9(1) : 48. 1921.

A straggling undershrub, on wastelands and climbing among bushes.

Distrib.: Coimbatore (Fischer 1921), Salem, Tiruchchirappalli (RHT).

Aerva wightii Hook. f. Fl. Brit. India 4 : 728. 1885; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.).

A much-branched bushy undershrub.

Distrib.: Tirunelveli.

Allmania nodiflora (L.) R. Br. ex Wight in J. Bot. (Hooker) 1 : 226. t. 128. 1834, var. *nodiflora*; Hook. f. Fl. Brit. India 4 : 716. 1885 incl. vars. *dichotoma* & *aspera*; Gamble, Fl. Pres. Madras 2 : 817. 1957 (repr. ed.). *Celosia nodiflora* L. Sp. Pl. 205. 1753. *Allmania albidu* (Willd.) R. Br. ex Hook. f. Fl. Brit. India 4 : 717. 1885. *Celosia albidu* Willd. Sp. Pl. 1 : 1197. 1798. *Chamissoa albidu* (Willd.) Wight,

Ic. t. 1769. 1852. *Allmania nodiflora* (L.) R. Br. ex Wight var. *longipedunculata* Trimen, Handb. Fl. Ceylon 3 : 394. 1895. *A. longipedunculata* (Trimen) Gamble, Fl. Pres. Madras 1168. 1925 & 2 : 818. 1957 (repr. ed.). *A. nodiflora* (L.) R. Br. ex Wight var. *roxburghii* Hook. f. Fl. Brit. India 4 : 717. 1885; Fischer in Rec. Bot. Surv. India 9 (1) : 147. 1921.

A straggling much-branched herb.

Distrib.: In most of the districts.

Allmania nodiflora (L.) R. Br. ex Wight var. *angustifolia* Hook. f. Fl. Brit. India 4 : 717. 1885; Gamble, Fl. Pres. Madras 2 : 818. 1957 (repr. ed.).

An erect, sometimes tall and slender herb.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Pudukkottai (RHT).

Allmania nodiflora (L.) R. Br. ex Wight var. *procumbens* Hook. f. Fl. Brit. India 4 : 717. 1885; Gamble, Fl. Pres. Madras 2 : 818. 1957 (repr. ed.). *Chamissoa nodiflora* sensu Wight, Ic. t. 1770. 1852, non (L.) Mart. ex Moq. 1849.

A prostrate herb with long prostrate branches.

Distrib.: In most of the districts.

Alternanthera bettzickiana (Regel) Nicholson in Gard. Dict. ed. 1. 59. 1884, "*betzichiana*"; Bakh. f. et al. in Steenis, Fl. Males. ser. 1. 6 : 916. 1972. *Telanthera bettzickiana* Regel in Gartenflora 11 : 178. 1862. *T. ficoidea* sensu Mayuranathan in Bull. Madras Govt. Museum n.s. 11 : 246. 1929, non (L.) Moq. 1849.

A perennial herb, cultivated as a border plant.

Alternanthera paronychioides A. St. Hil. Voy. Bres. 2 : 439. 1833; Sundararaj in J. Bombay Nat. Hist. Soc. 53 : 525. 1956.

A herb, commonly found along drainage channels.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, North Arcot, Thanjavur.

Alternanthera pungens Kunth in H.B.K. Nov. Gen. Sp. 2 : 206. 1818; Melville in Kew Bull. 13 : 174. 1958. *A. echinata* J.E. Smith in Rees, Cyclop. 39 (Suppl.) : n.10. 1819.

A prostrate branched weed of roadsides, wastelands and arid open regions.

Distrib.: Almost all districts.

Alternanthera sessilis (L.) R. Br. ex DC. Cat. Hort. Monsp. 4 : 77. 1813; Wight, Ic. t. 727. 1840; Hook. f. Fl. Brit. India 4 : 731. 1885; Melville in Kew Bull. 13 : 172. 1958. *Gomphrena sessilis* L. Sp. Pl. 225. 1753. *Alternanthera triandra* Lam. Encycl. 1 : 95. 1783; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.).

Tamil: *Ponnanganni, Kodupai.*

A prostrate herb in wet places.

Distrib.: All districts. E.

Amaranthus caudatus L. Sp. Pl. 990. 1753; Hook. f. Fl. Brit. India 4 : 719. 1885; Gamble, Fl. Pres. Madras 2 : 819. 1957 (repr. ed.).

A tall herb, cultivated and run wild. E.

Amaranthus hybridus L. subsp. **cruentus** (L.) Thell. var. **paniculatus** (L.) Thell. Fl. Adv. Montpellier & in Asch. & Graebn. Syn. Mitt. Fl. 5 (1) : 247. 1914. *A. paniculatus* L. Sp. Pl. ed. 2. 2 : 1406. 1763; Hook. f. Fl. Brit. India 4 : 718. 1885; Gamble, Fl. Pres. Madras 2 : 819. 1957 (repr. ed.). *A. frumentaceus* Buch.-Ham. in Roxb. Fl. Ind. 3 : 610. 1832; Wight, Ic. t. 720. 1843.

Tamil: *Pungikirai.*

A tall annual herb, cultivated and run wild. E.

Amaranthus roxburghianus Nevski in Trudy Bot. Inst. Akad. Nauk. SSSR, Ser. 1, Fl. Sist. Vyss. Rast. 4 : 311. 1937 in obs., "*roxburghiano*"; Nair in J. Bombay Nat. Hist. Soc. 73 : 60. 1976. *A. polygonoides* Roxb. Fl. Ind. 3 : 602. 1832, non L. 1759; Wight, Ic. t. 719. 1843; Nair in Bull. Bot. Surv. India 8 : 88. 1967. *A. polygamus* sensu Hook. f. Fl. Brit. India 4 : 721. 1885, non L. 1755; Gamble, Fl. Pres. Madras 2 : 820. 1957 (repr. ed.).

A small annual, usually prostrate herb, in waste or cultivated lands.

Distrib.: In most of the districts.

Amaranthus spinosus L. Sp. Pl. 991. 1753; Wight, Ic. t. 513. 1841; Hook. f. Fl. Brit. India 4 : 718. 1885; Gamble, Fl. Pres. Madras 2 : 819. 1957 (repr. ed.).

Tamil: *Mullukkirai.*

An erect, spinous herb, in waste places.

Distrib.: Almost all districts.

Amaranthus tricolor L. Sp. Pl. 989. 1753. *A. mangostanus* L. Cent. Pl. 1 : 32. 1755; Hook. f. Fl. Brit. India 4 : 720. 1885; Gamble, Fl. Pres. Madras 2 : 820. 1957 (repr. ed.). *A. gangeticus* L. Syst. Nat. ed. 10. 1268. 1759 incl. var. *tristis*; Hook. f. Fl. Brit. India 4 : 719. 1885; Gamble, Fl. Pres. Madras 2 : 819. 1957 (repr. ed.). *A. oleraceus* Burm. f. Fl. Ind. 198. 1768, non L. 1753; Wight, Ic. t. 715. 1843.

A tall herb under cultivation, but slender and diffuse when wild.

Distrib.: Chengalpattu, Nilgiri, Ramnathapuram, Tiruchchirappalli (RHT). E.

Amaranthus viridis L. Sp. Pl. ed. 2. 2 : 1405. 1763; Hook. f. Fl. Brit. India 4 : 720. 1885; Gamble, Fl. Pres. Madras 2 : 820. 1957 (repr. ed.). *Euxolus caudatus* (Jacq.) Moq. in DC. Prodr. 13(2) : 274. 1849; Wight, Ic. t. 1773. 1852. *Chenopodium*

caudatum Jacq. Coll. Bot. 2 : 235. 1788, non *Amaranthus caudatus* L. 1753.

An erect, glabrous weed, in waste places and cultivated lands.

Distrib.: Almost all districts.

Celosia argentea L. Sp. Pl. 205. 1753; Wight, Ic. t. 1767. 1852; Hook. f. Fl. Brit. India 4 : 714. 1885; Gamble, Fl. Pres. Madras 2 : 816. 1957 (repr. ed.).

An erect glabrous annual, in cultivated and among grasses.

Celosia cristata L. Sp. Pl. 205. 1753; Wight, Ic. t. 730. 1843; Hook. f. Fl. Brit. India 4 : 715. 1885; Gamble, Fl. Pres. Madras 2 : 817. 1957 (repr. ed.).

Commonly cultivated in gardens and sometimes found as an escape.

Celosia polygonoides Retz. Obs. Bot. 2 : 12. 1781; Hook. f. Fl. Brit. India 4 : 715. 1885; Gamble, Fl. Pres. Madras 2 : 817. 1957 (repr. ed.).

A diffuse herb, on sandy soils.

Distrib.: Almost all districts.

Celosia pulchella Moq. in DC. Prodr. 13(2) : 238. 1849; Wight, Ic. t. 1768. 1852; Hook. f. Fl. Brit. India 4 : 715. 1885; Gamble, Fl. Pres. Madras 2 : 816. 1957 (repr. ed.).

A slender diffuse herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Cyathula prostrata (L.) Blume, Bijdr. 549. 1826; Hook. f. Fl. Brit. India 4 : 723. 1885; Gamble, Fl. Pres. Madras 2 : 820. 1957 (repr. ed.). *Achyranthes prostrata* L. Sp. Pl. ed. 2. 1 : 296. 1762. *Desmochaeta prostrata* (L.) DC. Cat. Hort. Monsp. 102. 1813; Wight, Ic. t. 733. 1843.

A slender herb, prostrate below and rooting at nodes.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tirunelveli. E.

Digera muricata (L.) Mart. Beitr. Amar. 77. 1825. *Achyranthes muricata* L. Sp. Pl. ed. 2. 1 : 295. 1762. *Digera arvensis* Forssk. Fl. Aeg.-Arab. 65. 1775; Hook. f. Fl. Brit. India 4 : 717. 1885; Gamble, Fl. Pres. Madras 2 : 818. 1957 (repr. ed.). *Desmochaeta muricata* (L.) DC. Cat. Hort. Monsp. 103. 1813; Wight, Ic. t. 732. 1843.

Tamil: *Thoyyakeerai*.

A slender herb with prostrate branches, on roadsides and in waste places.

Distrib.: Almost all districts. E.

Gomphrena globosa L. Sp. Pl. 224. 1753; Wight, Ic. t. 1784. 1852; Hook. f. Fl. Brit. India 4 : 732. 1885; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.).

A tall, branched annual, grown in gardens and often found as an escape. E.

Gomphrena serrata L. Sp. Pl. 224. 1753; Mears in Taxon 29 : 86. 1980. *G. decumbens* Jacq. Hort. Schoenbr. t. 482. 1805; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.).

A roadside herb.

Distrib.: Almost all districts.

Indobanalia thyrsiflora (Moq.) Henry & Roy in Bull. Bot. Surv. India 10 : 274. 1968 (1969). *Banalia thyrsiflora* Moq. in DC. Prodr. 13(2) : 278. 1849; Wight, Ic. t. 1774. 1852; Hook. f. Fl. Brit. India 4 : 716. 1885; Gamble, Fl. Pres. Madras 2 : 817. 1957 (repr. ed.).

A slender tall herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Iresine herbstii Hook. f. ex Lindl. in Gard. Chron. 1864: 654, 1206. 1864.

A branched, erect or ascending perennial herb, frequently cultivated in gardens. E.

Nothosaerva brachiata (L.) Wight, Ic. t. 1776 B. 1852; Hook. f. Fl. Brit. India 4 : 726. 1885; Gamble, Fl. Pres. Madras 2 : 823. 1957 (repr. ed.). *Achyranthes brachiata* L. Mant. Pl. 50. 1767.

An erect slender herb.

Distrib.: Almost all districts.

Psilotrichum elliotii Baker & Clarke in Dyer, Fl. Trop. Africa 6(1) : 58. 1909; Verdc. in Kew Bull. 17 : 492. 1964. *P. calceolatum* Moq. ex Hook. f. Fl. Brit. India 4 : 725. 1885, nom. illeg.; Gamble, Fl. Pres. Madras 2 : 822. 1957 (repr. ed.). *P. nudum* sensu Wight, Ic. t. 1775. 1852, non (Heyne ex Wall.) Moq. 1849.

An erect or somewhat climbing undershrub.

Distrib.: Almost all districts.

Psilotrichum nudum (Heyne ex Wall.) Moq. in DC. Prodr. 13(2) : 280. 1849; Hook. f. Fl. Brit. India 4 : 724. 1885; Gamble, Fl. Pres. Madras 2 : 822. 1957 (repr. ed.). *Achyranthes nuda* Heyne ex Wall. in Roxb. Fl. Ind. 2 : 507. 1824.

A much-branched undershrub.

Distrib.: In most of the districts.

Psilotrichum scleranthum Thw. Enum. Pl. Zeyl. 248. 1861; Hook. f. Fl. Brit. India 4 : 725. 1885; Gamble, Fl. Pres. Madras 2 : 822. 1957 (repr. ed.).

A shrub, branches tomentose; flowers white.

Distrib.: Tiruchchirappalli (RHT).

Psilotrichum sericeum (Koen. ex Roxb.) Dalz. in Dalz. & Gibs. Bombay Fl. 216. 1861. *Achyranthes sericea* Koen. ex Roxb. Fl. Ind. 2 : 502. 1824; Wight, Ic. t. 726.

1843. *Psilostachys sericea* (Koen. ex Roxb.) Hook. f. in Benth. & Hook. f. Gen. Pl. 3 : 32. 1880 & Fl. Brit. India 4 : 726. 1885; Gamble, Fl. Pres. Madras 2 : 822. 1957 (repr. ed.); Mayuranathan in Bull. Madras Govt. Museum n.s. 11 : 244. 1929.

A slender, erect, silky herb.

Distrib.: "Madras" (Mayuranathan 1929).

Pupalia lappacea (L.) Juss. in Ann. Mus. Natl. Hist. Nat. 2 : 132. 1803, var. **lappacea**; Hook. f. Fl. Brit. India 4 : 724. 1885; Gamble, Fl. Pres. Madras 2 : 821. 1957 (repr. ed.); Townsend in Kew Bull. 34 : 135. 1979. *Achyranthes lappacea* L. Sp. Pl. 204. 1753. *Pupalia atropurpurea* (Lam.) Moq. in DC. Prodr. 13 (2) : 331. 1849; Hook. f. Fl. Brit. India 4 : 723. 1885; Gamble, Fl. Pres. Madras 2 : 821. 1957 (repr. ed.). *Achyranthes atropurpurea* Lam. Encycl. 1 : 546. 1785. *Desmochaeta atropurpurea* (Lam.) DC. Cat. Hort. Monsp. 102. 1813; Wight, Ic. t. 731. 1843.

Tamil: *Adai-ottii*.

A slender shrub or straggling undershrub.

Distrib.: Almost all districts. E.

Pupalia lappacea (L.) Juss. var. **orbiculata** (Heyne ex Wall.) Townsend in Kew Bull. 29 : 469. 1974. *Achyranthes orbiculata* Heyne ex Wall. in Roxb. Fl. Ind. 2 : 507. 1824. *Pupalia orbiculata* (Heyne ex Wall.) Wight, Ic. t. 1783. 1852; Hook. f. Fl. Brit. India 4 : 724. 1885; Gamble, Fl. Pres. Madras 2 : 821. 1957 (repr. ed.).

An extensively spreading prostrate plant with a stout woody rootstock; useful as a sand-binder.

Distrib.: Chengalpattu, Nilgiri, Ramnathapuram, Tiruchchirappalli.

Pupalia lappacea (L.) Juss. var. **velutina** (Moq.) Hook. f. Fl. Brit. India 4 : 724.

1885; Gamble, Fl. Pres. Madras 2 : 821. 1957 (repr. ed.). *P. velutina* Moq. in DC. Prodr. 13 (2) : 332. 1849.

A herb with nearly white tomentose or velvety leaves.

Distrib.: Nilgiri, Pudukkottai (RHT), Salem, Ramanathapuram, Tirunelveli.

Trichurus monsoniae (L. f.) Townsend in Kew Bull. 29 : 466. 1974. *Illecebrum monsoniae* L. f. Suppl. Pl. 161. 1781. *Aerva monsoniae* (Retz.) Mart. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13 : 291. 1826; Wight, Ic. t. 725. 1843; Hook. f. Fl. Brit. India 4 : 728. 1885; Gamble, Fl. Pres. Madras 2 : 825. 1957 (repr. ed.). *Celasia monsoniae* Retz. Obs. Bot. 2 : 13. 1781, "monsonia".

A herb with prostrate or ascending branches, in sandy places.

Distrib.: In most of the districts.

CHENOPODIACEAE

G.R. KUMARI

Arthrocnemum glaucum (Del.) Ung.-Sternb. in Atti Bot. Congr. Firenze 283. 1874; Hook. f. Fl. Brit. India 5 : 12. 1886. *Salicornia glauca* Del. Deser. Egypt. Hist. Nat. 2 : 49. 1813. *Arthrocnemum fruticosum* Moq. var. *glaucum* (Del.) Moq. in DC. Prodr. 13 (2) : 151. 1849; Gamble, Fl. Pres. Madras 2 : 828. 1957 (repr. ed.).

A tall, erect much-branched shrub, in salt marshes.

Distrib.: Chengalpattu, Ramanathapuram, Tirunelveli.

Arthrocnemum indicum (Willd.) Moq. Chenop. Monog. Enum. 113. 1840 p.p.; Hook. f. Fl. Brit. India 5 : 12. 1886; Gamble, Fl. Pres. Madras 2 : 828. 1957 (repr. ed.). *Salicornia indica* Willd. in Nova Acta Acad. Sci. Imp. Petrop. Hist. Acad. 5 : 111. t. 4. f. 1. 1799; Wight, Ic. t. 737. 1844.

Tamil: *Kolliam, Pavalappundu*.

A prostrate, glaucous-green undershrub, in salt marshes.

Distrib.: Chengalpattu, South Arcot, Thanjavur, Tirunelveli. E.

Atriplex repens Roth, Nov. Pl. Sp. 377. 1821; Hook. f. Fl. Brit. India 5 : 7. 1886; Gamble, Fl. Pres. Madras 2 : 827. 1957 (repr. ed.). *Obione koenigii* Moq. in DC. Prodr. 13 (2) : 99. 1849; Wight, Ic. t. 1790. 1852.

An undershrub, on sandy sea shores.

Distrib.: Chengalpattu, Kanniyakumari (UCT), Ramanathapuram, Tirunelveli.

Atriplex stockesii Boiss. Diagn. Pl. Orient. ser. 2. 3 (4) : 73. 1859; Hook. f. Fl. Brit. India 5 : 7. 1886; T.A. Rao et al. in J. Bombay Nat. Hist. Soc. 71 : 348. 1974.

A white shrub with prostrate or suberect branches.

Distrib.: Kanniyakumari (T.A. Rao et al. 1974).

Atriplex vesicaria Howard ex Benth. Fl. Austral. 5 : 172. 1870.

Cultivated in gardens. R.

Basella alba L. Sp. Pl. 272. 1753, var. *alba*; Wight, Ic. t. 896. 1844-1845.

Tamil: *Paslakkirai*.

Green, glabrous, succulent climbing herb; cultivated and used as a vegetable. E.

Basella alba L. var. *rubra* (L.) J.L. Stewart, Punjab Pl. 177. 1869; Sastry et al. in Indian J. For. 5 : 152. 1982. *B. rubra* L. Sp. Pl. 272. 1753; Hook. f. Fl. Brit. India 5 : 20. 1886; Gamble, Fl. Pres. Madras 2 : 830. 1957 (repr. ed.).

Tamil: *Shivappupaslakkirai*.

Purple, glabrous, succulent, climbing herb, cultivated and used as a vegetable. E.

Beta vulgaris L. Sp. Pl. 222. 1753; Lam. Tabl. Encycl. 1 : t. 182. 1792; Hook. f. Fl. Brit. India 5 : 5. 1886; Gamble, Fl. Pres. Madras 2 : 830. 1957 (repr. ed.).

A glabrous, tuberous herb, cultivated for its roots used as a vegetable. E.

Boussingaultia baselloides H.B.K. Nov. Gen. Sp. 7 : 196. t. 645. 1825; Gamble, Fl. Pres. Madras 2 : 830. 1957 (repr. ed.).

An ornamental climber with white fragrant flowers, grown in gardens. E.

Chenopodium album L. Sp. Pl. 219. 1753; Hook. f. Fl. Brit. India 5 : 3. 1886; Gamble, Fl. Pres. Madras 2 : 827. 1957 (repr. ed.).

Tamil: *Parupukkirai*.

A tall herb on roadsides, waste places and cultivated lands.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, South Arcot. E.

Chenopodium ambrosioides L. Sp. Pl. 219. 1753; Wight, Ic. t. 1786. 1852; Hook. f. Fl. Brit. India 5 : 4. 1886; Gamble, Fl. Pres. Madras 2 : 827. 1957 (repr. ed.).

A tall aromatic herb, in waste places and in cultivated lands.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tiruchchirappalli. E.

Chenopodium carinatum R. Br. Prodr. 407. 1810; Subba Rao & Kumari in J. Bombay Nat. Hist. Soc. 69 : 683. 1972.

A procumbent, much-branched aromatic herb.

Distrib.: Nilgiri.

Chenopodium moquinianum Aellen in Ber. Schweiz. Bot. Ges. 38 : 15, 19. 1929; Fischer in Gamble, Fl. Pres. Madras 3 : 1303. 1957 (repr. ed.).

Distrib.: Chengalpattu (Fischer 1957).

Chenopodium murale L. Sp. Pl. 219. 1753; Hook. f. Fl. Brit. India 5 : 4. 1886; Gamble, Fl. Pres. Madras 2 : 827. 1957 (repr. ed.).

An annual herb, often much-branched.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem.

Chenopodium pumilio R. Br. Prodr. 407. 1810; Ramayya & Rajagopal in Curr. Sci. 38 : 173. 1969.

A prostrate herb with radiating stems.

Distrib.: Nilgiri.

Haloxylon recurvum (Moq.) Bunge in Boiss. Fl. Orient. 4 : 949. 1879; Hook. f. Fl. Brit. India 5 : 15. 1886; Gamble, Fl. Pres. Madras 2 : 830. 1957 (repr. ed.). *Caroxylon recurvum* Moq. in DC. Prodr. 13 (2) : 175. 1849. *C. indicum* Wight, Ic. t. 1794. 1852.

A tall bushy plant, turning black when dry.

Distrib.: Coimbatore.

Kochia indica Wight, Ic. t. 1791. 1852; Hook. f. Fl. Brit. India 5 : 11. 1886; Gamble, Fl. Pres. Madras 2 : 828. 1957 (repr. ed.).

A tall branched annual.

Distrib.: Chengalpattu and Coimbatore (CAL). E.

Salicornia brachiata Roxb. Fl. Ind. 1 : 84. 1832; Wight, Ic. t. 738. 1844; Hook. f. Fl. Brit. India 5 : 12. 1886; Gamble, Fl. Pres. Madras 2 : 828. 1957 (repr. ed.).

Tamil: *Pavalappundu*, *Sittumari*, *Umarikeerai*.

An erect shrub, in salt marshes.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli. E.

Spinacia oleracea L. Sp. Pl. 1027. 1753; Hook. f. Fl. Brit. India 5 : 6. 1886; Gamble, Fl. Pres. Madras 2 : 830. 1957 (repr. ed.). *S. tetrandra* Roxb. Fl. Ind. 3 : 771. 1832; Wight, Ic. t. 818. 1844-1845.

Tamil: *Vasaiyilakkirai*.

An erect annual herb with radical leaves, cultivated for its leaves used as a vegetable. E.

Suaeda maritima (L.) Dumort. Fl. Belg. 22. 1827; Hook. f. Fl. Brit. India 5 : 14. 1886; Gamble, Fl. Pres. Madras 2 : 829. 1957 (repr. ed.). *Chenopodium maritimum* L. Sp. Pl. 221. 1753. *Suaeda nudiflora* (Willd.) Moq. in DC. Prodr. 13 (2) : 155. 1849; Wight, Ic. t. 1796. 1852; Hook. f. Fl. Brit. India 5 : 14. 1886; Gamble, Fl. Pres. Madras 2 : 829. 1957 (repr. ed.). *Salsola nudiflora* Willd. Sp. Pl. 1 : 1313. 1798.

Tamil: *Vellakeerai*, *Nariumari*, *Uppukeerai*.

A woody much-branched undershrub densely covered with flowers, often near salt pans.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli. E.

Suaeda monoica Forssk. ex Gmel. in L. Syst. Nat. ed. 13. 2 (1) : 503. 1791; Wight, Ic. t. 1792. 1852; Hook. f. Fl. Brit. India 5 : 13. 1886; Gamble, Fl. Pres. Madras 2 : 829. 1957 (repr. ed.).

Tamil: *Karuvumari*, *Umarinandi*.

A small erect much-branched bush, occurs by the sea coast.

Distrib.: South Arcot, Thanjavur, Tirunelveli.

PHYTOLACCACEAE

G.R. KUMARI

Ercilla splcata Moq. in DC. Prodr. 13 (2) : 35. 1849.

A twining shrub, cultivated. E.

Petiveria alliacea L. Sp. Pl. 342. 1753.

A shrubby perennial with lax racemes, frequently cultivated in gardens. E.

Phytolacca dioica L. Sp. Pl. ed. 2. 1 : 632. 1762; Fyson, Fl. South Indian Hill St. 2 : t. 427. 1932.

An alien evergreen tree in hill stations. E.

Phytolacca octandra L. Sp. Pl. ed. 2. 1 : 631. 1762; Matthew in J. Bombay Nat. Hist. Soc. 62 : 72. 1965.

A branched herb with angular stems.

Distrib.: Madurai, Nilgiri.

Rivina humilis L. Sp. Pl. 121. 1753.

An erect herb, introduced and now naturalized. E.

POLYGONACEAE

V. CHANDRASEKARAN

Antigonon leptopus Hook. & Arn. Bot. Beech. Voy. 308. t. 69. 1838; Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.).

Tamil: *Kodi Rose*.

A large climbing shrub with pink or white flowers, commonly grown in gardens and often run wild.

Coccoloba uvifera (L.) L. Syst. Nat. ed. 10. 1007. 1759. *Polygonum uviferum* L. Sp. Pl. 365. 1753.

A small tree, grown in gardens.

Emex spinosus (L.) Campdera, Monog. Rumex 58. 1819; Fyson, Fl. South Indian Hill St. 1 : 497. 1932. *Rumex spinosus* L. Sp. Pl. 337. 1753.

A herb.

Distrib.: Dharmapuri, Nilgiri.

Fagopyrum esculentum Moench, Meth. Pl. 290. 1794; Hook. f. Fl. Brit. India 5 : 55. 1886; Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.).

Occasionally grown as grain crop in hills, "Buckwheat". E.

Muehlenbeckia gracillima Meisner in DC. Prodr. 14 (1) : 145. 1856.

A herbaceous twiner, grown in gardens.

Muehlenbeckia platyclada (F. v. Muell. ex Hook.) Meisner in Bot. Zeitung (Berlin) 22 : 313. 1865; Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.). *Coccoloba platyclada* F. v. Muell. ex Hook. in Bot. Mag. t. 5382. 1863. *Homalocladium platycladum* (F. v. Muell. ex Hook.) Bailey, Gentes Herb. 2 : 58. 1929 & Man. Cult. Pl. 351. 1958.

A glabrous erect shrub, often grown in gardens.

***Polygonum barbatum** L. Sp. Pl. 362. 1753, var. *barbatum*; Wight, Ic. t. 1798. 1852; Hook. f. Fl. Brit. India 5 : 37. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.).

Tamil: *Atalari*.

A large herb with white flowers, in wet places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, South Arcot, Tirunelveli. E.

Polygonum barbatum L. var. *gracile* (Danser) Steward in Contr. Gray Herb. 88 : 55. 1930. *P. barbatum* L. subsp. *gracile* Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 8 : 146. f. 2. 1927. *P. serrulatum* sensu Hook. f. Fl. Brit. India 5 : 38. 1886 p.p., non Lagasca 1816.

A herb with weak slender stems.

*A broad generic concept of *Polygonum* L. is followed.

Distrib.: Coimbatore, Madurai, Tiruchchirappalli (RHT).

Polygonum barbatum L. var. *stagninum* (Buch.-Ham. ex Meisner) Steward in Contr. Gray Herb. 88 : 54. 1930. *P. stagninum* Buch.-Ham. ex Meisner in Wall. Pl. Asiat. Rar. 3 : 56. 1832; Hook. f. Fl. Brit. India 5 : 37. 1886; Fischer in Rec. Bot. Surv. India 9 (1) : 149. 1921.

An undershrub, on banks of streams at low altitudes.

Distrib.: Coimbatore (Fischer 1921).

Polygonum capitatum Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 73. 1825; Hook. f. Fl. Brit. India 5 : 44. 1886.

A perennial herb.

Distrib.: Nilgiri. E.

Polygonum chinense L. Sp. Pl. 363. 1753; Wight, Ic. t. 1806. 1852; Hook. f. Fl. Brit. India 5 : 44. 1886 incl. var. *ovalifolia* Meisner; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.).

A rambling undershrub with white or pink flowers, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. E.

Polygonum dichotomum Blume, Bijdr. 529. 1826, var. *dichotomum*. *P. pedunculare* Wall. ex Meisner in Wall. Pl. Asiat. Rar. 3 : 58. 1832; Wight, Ic. t. 1802 C. 1852; Hook. f. Fl. Brit. India 5 : 48. 1886; Gamble, Fl. Pres. Madras 2 : 834. 1957 (repr. ed.).

A glabrous erect herb.

Distrib.: Madurai, Nilgiri (FRC).

Polygonum dichotomum Blume var. *angustissima* (Hook. f.) Chandrasekaran comb. nov. *P. pedunculare* Wall. ex Wight var. *angustissima* Hook. f. Fl. Brit.

India 5 : 48. 1886; Gamble, Fl. Pres. Madras 2 : 834. 1957 (repr. ed.).

A herb, occurring at high altitudes.

Distrib.: Nilgiri.

Polygonum dichotomum Blume var. **nilagirica** (Hook. f.) Chandrasekaran comb. nov. *P. pedunculare* Wall. ex Wight var. *nilagirica* Hook. f. Fl. Brit. India 5 : 48. 1886; Gamble, Fl. Pres. Madras 2 : 834. 1957 (repr. ed.).

A herb, occurring at high altitudes.

Distrib.: Madurai (Gage 1903), Nilgiri (CAL).

Polygonum dichotomum Blume var. **robusta** (Hook. f.) Chandrasekaran comb. nov. *P. pedunculare* Wall. ex Wight var. *robusta* Hook. f. Fl. Brit. India 5 : 48. 1886; Gamble, Fl. Pres. Madras 2 : 834. 1957 (repr. ed.).

A herb, in hilly places.

Distrib.: Nilgiri, Salem.

Polygonum glabrum Willd. Sp. Pl. 2 : 447. 1799, var. *glabrum*; Wight, Ic. t. 1797. 1852; Hook. f. Fl. Brit. India 5 : 34. 1886; Gamble, Fl. Pres. Madras 2 : 832. 1957 (repr. ed.).

Tamil: *Atlaria*, *Atalari*.

An erect usually glabrous annual herb with pink or white flowers, in wet places.

Distrib.: In most of the districts. E.

Polygonum glabrum Willd. var. **scabrinervis** Hook. f. Fl. Brit. India 5 : 34. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.).

A herb, at high altitudes.

Distrib.: Madurai.

Polygonum hydropiper L. Sp. Pl. 361. 1753, var. *hydropiper*; Hook. f. Fl. Brit. India 5 : 39. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.).

A stout glabrous annual with pink flowers, in wet places.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Tiruchchirappalli (RHT). E.

Polygonum hydropiper L. var. **flaccidum** Steward in Contr. Gray Herb. 88 : 59. 1930. *P. flaccidum* auct. non Roxb. 1832; Hook. f. Fl. Brit. India 5 : 39. 1886 incl. var. *hispidum*; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.). *P. donnii* Wight, Ic. t. 1801. 1852.

A slender herb, in wet places in hill forests.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Polygonum lanigerum R. Br. Prodr. 419. 1810; Hook. f. Fl. Brit. India 5 : 35. 1886; Gamble, Fl. Pres. Madras 2 : 832. 1957 (repr. ed.).

A stout herb, procumbent and creeping below.

Distrib.: Coimbatore (Gamble 1957).

Polygonum minus Huds. Fl. Angl. ed. 1. 148. 1762; Hook. f. Fl. Brit. India 5 : 36. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.). *P. strictum* All. Fl. Pedem. 2 : 297. t. 68. f. 2. 1785; Wight, Ic. t. 1800. 1852.

A low herb with small pink flowers; in bogs and other wet places at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Gage 1903).

Polygonum molle D. Don, Prodr. Fl. Nep. 72. 1825; Hook. f. Fl. Brit. India 5 : 50. 1886; Gamble, Fl. Pres. Madras 2 : 834. 1957 (repr. ed.).

A shrub, cultivated and run wild in Nilgiri hills. E.

Polygonum nepalense Meisner, Monog. Polygon. 84, t. 7. f. 2. 1826; Wight, Ic.

t. 1804. 1852. *P. alatum* Buch.-Ham. ex Spreng. Syst. Cur. Post. 4 (2) : 154. 1827; Hook. f. Fl. Brit. India 5 : 41. 1886 incl. var. *metzianum*. *P. punctatum* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 72. 1825, non Rafin. 1820; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.).

Tamil: *Kangany machan-pillu*.

A small more or less procumbent annual weed in gardens and cultivated lands in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (Gage 1903).

Polygonum orientale L. Sp. Pl. 362. 1753; Hook. f. Fl. Brit. India 5 : 30. 1886.

A branched annual, in wet places.

Distrib.: Madurai, North Arcot, South Arcot. E.

Polygonum plebeium R. Br. Prodr. 420. 1810, "*plebejum*"; Hook. f. Fl. Brit. India 5 : 27. 1886 incl. var. *indica*; Gamble, Fl. Pres. Madras 2 : 832. 1957 (repr. ed.). *P. indicum* Heyne ex Roth, Nov. Pl. Sp. 208. 1821; Wight, Ic. t. 1808. 1852.

A glabrous much-branched prostrate leafy annual herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Ramanathapuram, Thanjavur, Tiruchchirappalli. E.

Polygonum pulchrum Blume, Bijdr. 530. 1826; R.A. Graham in Fl. Trop. East Africa (Polygonaceae) 20. 1958. *P. tomentosum* Willd. Sp. Pl. 2 : 447. 1799, non Schrank 1789; Hook. f. Fl. Brit. India 5 : 30. 1886; Gamble, Fl. Pres. Madras 2 : 832. 1957 (repr. ed.).

A stout herb with prostrate stems, rooting at nodes with large white flowers; in wet places.

Distrib.: Coimbatore, Madurai, North Arcot, Tirunelveli. E.

Polygonum sphaerocephalum Wall. ex Meisner in Wall. Pl. Asiat. Rar. 3 : 60. 1832; Hook. f. Fl. Brit. India 5 : 43. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.). *P. wallichii* Wight, Ic. t. 1805. 1852.

A somewhat creeping herb, at high altitudes.

Distrib.: Nilgiri.

Polygonum strigosum R. Br. Prodr. 420. 1810; Hook. f. Fl. Brit. India 5 : 47. 1886; Gamble, Fl. Pres. Madras 2 : 833. 1957 (repr. ed.). *P. horridum* Buch.-Ham. ex Roxb. Fl. Ind. 2 : 291. 1832; Wight, Ic. t. 1803. 1852.

A herb with pink flowers, in wet places at high altitudes.

Distrib.: Madurai, Nilgiri.

Rumex acetosella L. Sp. Pl. 338. 1753; Hook. f. Fl. Brit. India 5 : 61. 1886; Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.).

A herb, introduced and now run wild, the Sheep Sorrel.

Distrib.: Madurai, Nilgiri.

Rumex crispus L. Sp. Pl. 335. 1753; Sharma et al. in Biol. Mem. 2 (1 & 2) : 120. 1977.

A herb at high altitudes.

Distrib.: Nilgiri.

Rumex maritimus L. Sp. Pl. 335. 1753; Hook. f. Fl. Brit. India 5 : 59. 1886.

A stout erect annual with green flowers, eaten as a pot-herb.

Distrib.: "Nilgiri and Palni Hills" (Wealth of India 1972).

Rumex nepalensis Spreng. Syst. Veg. 2 : 159. 1825; Wight, Ic. t. 1810. 1852; Hook. f. Fl. Brit. India 5 : 60. 1886;

Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.).

A tall stout annual or perennial herb, at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem. E.

Rumex vesicarius L. Sp. Pl. 336. 1753; Hook. f. Fl. Brit. India 5 : 61. 1886; Gamble, Fl. Pres. Madras 2 : 835. 1957 (repr. ed.).

Tamil: *Shakkankral*.

An annual herb, cultivated as a vegetable. E.

PODOSTEMACEAE

G. R. KUMARI

Dalzellia zeylanica (Gard.) Wight, Ic. 5 : 35. t. 1919. 1852; Brink in Taxon 18 : 598. 1969. *Tristicha zeylanica* Gard. in Calcutta J. Nat. Hist. 7 : 177. 1846. *Lawia zeylanica* (Gard.) Tul. in Ann. Sci. Nat. Bot. ser. 3. 2 : 112. 1849, emend. Willis in Ann. Roy. Bot. Gard. (Peradeniya) 1 : 213. 1902; Gamble, Fl. Pres. Madras 2 : 837. 1957 (repr. ed.) incl. var. *malabarica* Willis. *Terniola zeylanica* (Gard.) Tul. in Arch. Mus. Hist. Nat. 6 : 190-192. 1852; Hook. f. Fl. Brit. India 5 : 62. 1886.

Thallus crimson red.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957).

Farmeria indica Willis in Notes Trimen, Handb. Fl. Ceylon 5 : 386. 1900 & in Ann. Roy. Bot. Gard. (Peradeniya) 1 : 248. 1902, emend. Arekal & Nag. in Proc. Indian Acad. Sci. 80 B : 226. 1974; Gamble, Fl. Pres. Madras 2 : 839. 1957 (repr. ed.).

Thallus thread-like.

Distrib.: Tirunelveli (Gamble 1957).

Indotristicha ramosissima (Wight) Royen in Acta Bot. Neerl. 8 : 474. 1959.

Dalzellia ramosissima Wight, Ic. t. 1920. f. 1. 1852. *Terniola ramosissima* (Wight) Wedd. in DC. Prodr. 17 : 47. 1873; Hook. f. Fl. Brit. India 5 : 63. 1886. *Tristicha ramosissima* (Wight) Willis in Ann. Roy. Bot. Gard. (Peradeniya) 1 : 208, 293, 306. tl. 5-9. f. 29. 1902; Gamble, Fl. Pres. Madras 2 : 836. 1957 (repr. ed.).

A floating plant with very long filiform much-branched stem.

Distrib.: Coimbatore (Gamble 1957).

Indotristicha tirunelveliana Sharma, Karthik, & Shetty in Bull. Bot. Surv. India 16 : 157. 1974 (1977).

An aquatic herb; rhizomes suberect, sparingly branched.

Distrib.: Tirunelveli. O.

Podostemon barberi Willis in Ann. Roy. Bot. Gard. (Peradeniya) 1 : 230. 1902; Fischer in Rec. Bot. Surv. India 9 (1) : 151. 1921; Gamble, Fl. Pres. Madras 2 : 837. 1957 (repr. ed.).

Thallus broad; spathe very long.

Distrib.: Coimbatore (Fischer 1921).

Podostemon subulatus Gard. in Calcutta J. Nat. Hist. 7 : 184. 1847; Wight, Ic. t. 1918. f. 3. 1852; Hook. f. Fl. Brit. India 5 : 65. 1886; Gamble, Fl. Pres. Madras 2 : 838. 1957 (repr. ed.).

The long slender leaves attached to the rocks in tufts are very characteristic.

Distrib.: Coimbatore.

Polypleurum dichotomum (Gard.) Hall in Kew Bull. 26 : 131. 1971. *Podostemon dichotomum* Gard. in Calcutta J. Nat. Hist. 7 : 185. 1847; Hook. f. Fl. Brit. India 5 : 64. 1886. *Dicraea dichotoma* (Gard.) Tul. in Ann. Sci. Nat. Bot. ser. 3. 2 : 101. 1849; Wight, Ic. t. 1916. 1852; Gamble, Fl. Pres. Madras 2 : 837. 1957 (repr. ed.).

Thallus narrow and usually zigzag, occurs on rocks in rapid waters.

Distrib.: Coimbatore, Nilgiri.

Polypleurum stylosum (Wight) Hall in Kew Bull. 26 : 131. 1971. *Dicraea stylosa* Wight, Ic. t. 1917. f. 2. 1852; Gamble, Fl. Pres. Madras 2 : 837. 1957 (repr. ed.). *Podostemon stylosus* (Wight) Benth. ex Hook. f. Fl. Brit. India 5 : 64. 1886. *P. algaeformis* (Bedd.) Benth. ex Hook. f. Fl. Brit. India 5 : 65. 1886. *Dicraea algaeformis* Bedd. in Trans. Linn. Soc. London 25 : 223. t. 24. 1865.

Thallus broad and seaweed-like.

Distrib.: Coimbatore, Nilgiri (Gamble 1957).

Willisia selaginoides (Bedd.) Warm. ex Willis in Ann. Roy. Bot. Gard. (Peradeniya) 1 : 235. 1902; Engler in Engler & Prantl, Pflanzenf. ed. 2. 18a : 51. f. 41 A-D. 1930; Gamble, Fl. Pres. Madras 2 : 838. 1957 (repr. ed.). *Mniopsis selaginoides* Bedd. in Madras J. Lit. Sci. ser. 3. 2 : 105. 1849. *Podostemon selaginoides* (Bedd.) Benth. ex Hook. f. Fl. Brit. India 5 : 68. 1886.

An interesting species, shoots attached in tufts to the thallus on rocks.

Distrib.: Coimbatore.

Zeylanidium lichenoides (Kurz) Engler in Engler & Prantl, Pflanzenf. ed. 2. 18a : 62. 1930; Gandhi et al. in Phytologia 53 : 349. 1983. *Hydrobryum lichenoides* Kurz in J. Asiat. Soc. Bengal 42 : 103. 1873; Gamble, Fl. Pres. Madras 2 : 839. 1957 (repr. ed.). *Podostemon microcarpus* Wedd. in DC. Prodr. 17 : 76. 1873; Hook. f. Fl. Brit. India 5 : 66. 1886.

A very variable plant.

Distrib.: Coimbatore (Gamble 1957), Tirunelveli (Gandhi et al. 1983).

Zeylanidium olivaceum (Gard.) Engler in Engler & Prantl, Pflanzenf. ed. 2. 18a :

62. f. 55 A-K. 1930. *Podostemon olivaceum* Gard. in Calcutta J. Nat. Hist. 7 : 181. 1847; Hook. f. Fl. Brit. India 5 : 66. 1886. *Hydrobryum olivaceum* (Gard.) Tul. in Ann. Sci. Nat. Bot. ser. 3. 11 : 104. 1849; Wight, Ic. t. 1918. f. 2. 1852; Gamble, Fl. Pres. Madras 2 : 839. 1957 (repr. ed.).

A small plant with crustaceous thallus and erect ribbed fruit.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981).

ARISTOLOCHIACEAE

G.R. KUMARI

Aristolochia bracteolata Lam. Encycl. 1 : 258. 1783. *A. bracteata* Retz. Obs. Bot. 5 : 29. 1788; Hook. f. Fl. Brit. India 5 : 75. 1886; Gamble, Fl. Pres. Madras 2 : 841. 1957 (repr. ed.).

Tamil: *Aduthinnappalai*.

A perennial herb in dry areas, especially on black soils.

Distrib.: Almost all districts. E.

Aristolochia cymbifera Mart. & Zucc. Nov. Gen. Sp. 1 : 76. t. 49. 1824.

Glabrous plants, cultivated in gardens.

Aristolochia grandiflora Sw. Prodr. 126. 1768.

Cultivated in gardens.

Aristolochia indica L. Sp. Pl. 960. 1753; Hook. f. Fl. Brit. India 5 : 75. 1886; Gamble, Fl. Pres. Madras 2 : 841. 1957 (repr. ed.). *A. lanceolata* Wight, Ic. t. 1858. 1852.

Tamil: *Adagam, Isuraver, Karudakkodi*.

A perennial twiner on hedges and among bushes.

Distrib.: Almost all districts.

Aristolochia littoralis Parodi in Anales Soc. Ci. Argent. 5 : 155. 1878. *A. elegans*

Mast. in Gard. Chron. 2 : 301. t. 61. 1885.

Cultivated in gardens.

Aristolochia tagala Cham. in Linnaea 7 : 207. t. 5. f. 3. 1832; Gamble, Fl. Pres. Madras 2 : 841. 1957 (repr. ed.). *A. roxburghiana* Klotzsch in Monatsber Koenigl. Preuss. Akad. Wiss. Berlin 596. 1859; Hook. f. Fl. Brit. India 5 : 75. 1886. *A. acuminata* Roxb. Fl. Ind. 3 : 489. 1832, non Lam. 1783; Wight, Ic. t. 771. 1844.

An extensively climbing shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli. E.

Thottea barberi (Gamble) Ding Hou in Blumea 27 : 315. 1981. *Apama barberi* Gamble in Kew Bull. 1924 : 386. 1924 & Fl. Pres. Madras 2 : 840. 1957 (repr. ed.).

A shrub, branches covered with long corky lenticels.

Distrib.: Tirunelveli. O. +.

Thottea siliquosa (Lam.) Ding Hou in Blumea 27 : 327. 1981. *Apama siliquosa* Lam. Encycl. 1 : 91. 1783; Gamble, Fl. Pres. Madras 2 : 840. 1957 (repr. ed.). *Bragantia wallichii* R. Br. ex Wight & Arn. in Edinburgh New Philos. J. 15 : 181. 1833; Wight, Ic. t. 520. 1842; Hook. f. Fl. Brit. India 5 : 73. 1886.

An erect shrub with grey bark, in evergreen forests as an undergrowth.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

PIPERACEAE

G.R. KUMARI

Lepianthes umbellata (L.) Rafin. Sylva Tellur. 84. 1838. *Piper umbellatum* L. Sp. Pl. 30. 1753. *Pothomorphe subpeltata* (Willd.) Miq. Comm. Phytogr. 37. 1840;

Wight, Ic. t. 1925. 1853. *Piper subpeltatum* Willd. Sp. Pl. 1 : 166. 1798; Hook. f. Fl. Brit. India 5 : 95. 1886. *Hackeria subpeltata* (Willd.) Kunth in Linnaea 13 : 571. 1839; Gamble, Fl. Pres. Madras 2 : 846. 1957 (repr. ed.).

A large, scandent herbaceous shrub, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli. E.

Peperomia bourneae C. DC. in Candollea 1 : 345. 1923 & 2 : 189. 1925, descr. ampl.

Distrib.: "Madras" (C. DC. 1923 & 1925).

Peperomia dindigulensis Miq. Syst. Piperac. 122. 1843; Hook. f. Fl. Brit. India 5 : 98. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.). *P. heyneana* sensu Wight, Ic. t. 1922. f. 1. 1853, non Miq. 1843.

An erect, rather large herb, on wet rocks and branches of trees.

Distrib.: In most of the hill districts.

Peperomia heyneana Miq. Syst. Piperac. 123. 1843; Hook. f. Fl. Brit. India 5 : 99. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.).

A small epiphytic herb.

Distrib.: Nilgiri (CAL).

Peperomia pellucida (L.) H.B.K. Nov. Gen. Sp. 1 : 64. 1816; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.). *Piper pellucidum* L. Sp. Pl. 30. 1753.

A slender, succulent herb.

Distrib.: Cheungalpattu, Coimbatore, Tiruchchirappalli (RHT). E.

Peperomia portulacoides (Lam.) Dietr. Sp. Pl. ed. 6. 1 : 172. 1831; Wight, Ic. t. 1922. f. 2. 1853; Hook. f. Fl. Brit. India

5 : 98. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.). *Piper portulacoides* Lam. Tabl. Encycl. 1 : 82. 1791.

An erect, glabrous, succulent herb, on rocks and tree trunks.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Peperomia tetraphylla (Forst. f.) Hook. & Arn. Bot. Beech. Voy. 96. 1832. *Piper tetraphyllum* Forst. f. Insul. Austr. Prodr. 5. 1786. *Peperomia reflexa* (L. f.) Dietr. Sp. Pl. ed. 6. 1 : 180. 1831, non H.B.K. 1816; Wight, Ic. t. 1923. f. 1. 1853; Hook. f. Fl. Brit. India 5 : 99. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.). *Piper reflexum* L. f. Suppl. Pl. 91. 1781.

An epiphytic, tufted, succulent herb.

Distrib.: In most of the districts. E.

Peperomia thomsonii Hook. f. Fl. Brit. India 5 : 97. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.).

A succulent epiphyte.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri and Tirunelveli (Hook. f. 1886).

Peperomia wightiana Miq. in London J. Bot. 5 : 548. 1846; Wight, Ic. t. 1924. 1853; Hook. f. Fl. Brit. India 5 : 98. 1886; Gamble, Fl. Pres. Madras 2 : 847. 1957 (repr. ed.).

A small, slender, succulent herb, on moist rocks and branches of trees.

Distrib.: Coimbatore, Madurai, Nilgiri.

Piper argyrophyllum Miq. Syst. Piperac. 330. 1844; Wight, Ic. t. 1941. 1853; Hook. f. Fl. Brit. India 5 : 93. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.).

A slender climber, in evergreen forests and sholas.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Ramanathapuram, Salem.

Piper barberi Gamble in Kew Bull. 1924 : 387. 1924 & Fl. Pres. Madras 2 : 844. 1957 (repr. ed.).

A slender climber; the leaves pinnately nerved.

Distrib.: Kanniyakumari, Tirunelveli. O. +.

Piper betle L. Sp. Pl. 28. 1753; Hook. f. Fl. Brit. India 5 : 85. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.). *Chavica betle* (L.) Miq. Syst. Piperac. 228. 1843; Wight, Ic. t. 1926. 1853.

Tamil: *Tambulam*, *Vettilai*, *Vettilai-churul*.

A perennial creeper, cultivated in hot, damp localities for its leaves. E.

Piper galeatum C. DC. in DC. Prodr. 16(1) : 242. 1869; Hook. f. Fl. Brit. India 5 : 80. 1886; Gamble, Fl. Pres. Madras 2 : 843. 1957 (repr. ed.).

A woody climber, in dense forest undergrowth.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957).

Piper glabrirhache C. DC. in Candollea 1 : 193. 1923 & 2 : 200. 1925, descr. ampl.

Distrib.: Nilgiri (C. DC. 1923 & 1925).

Piper hapnium Buch.-Ham. ex Hook. f. Fl. Brit. India 5 : 86. 1886; Gamble, Fl. Pres. Madras 2 : 844. 1957 (repr. ed.).

A slender, climbing undershrub with warted, puberulous branches.

Distrib.: Tirunelveli (CAL).

Piper hymenophyllum Miq. in London J. Bot. 5 : 554. 1846; Wight, Ic. t. 1942.

1853; Hook. f. Fl. Brit. India 5 : 93. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.). *P. nilghirianum* C. DC. in DC. Prodr. 16(1) : 364. 1869.

A slender climber, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Piper longum L. Sp. Pl. 29. 1753; Hook. f. Fl. Brit. India 5 : 83. 1886; Gamble, Fl. Pres. Madras 2 : 844. 1957 (repr. ed.). *Chavica roxburghii* Miq. Syst. Piperac. 239. 1843; Wight, Ic. t. 1928. 1853.

Tamil: *Tippili*.

Distrib.: Chengalpattu, Coimbatore, Madurai, South Arcot. E.

Piper mullesua Buch. Ham. ex D. Don, Prodr. Fl. Nep. 20. 1825. *P. brachystachyum* Wall. ex Hook. f. Fl. Brit. India 5 : 87. 1886; Gamble, Fl. Pres. Madras 2 : 844. 1957 (repr. ed.). *Chavica sphaerostachya* Miq. Syst. Piperac. 279. 1843; Wight, Ic. t. 1931. 1853.

A much-branched woody climber, in shola forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Piper nigrum L. Sp. Pl. 28. 1753; Hook. f. Fl. Brit. India 5 : 90. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.).

Tamil: *Kurumilagu*, *Aguttam*, *Irambivam*, *Milagu*.

A stout, glabrous climbing shrub, in evergreen forests, cultivated for its fruits. E.

Piper obtusistignum C. DC. in Candollea 1 : 217. 1923 & 2 : 211. 1925, descr. ampl.

Distrib.: Nilgiri (C. DC. 1923 & 1925).

Piper ootacamundense C. DC. in Candollea 1 : 184. 1923 & 2 : 191. 1925, descr. ampl.

Distrib.: "Madras" (C. DC. 1923 & 1925).

Piper opacilimbium C. DC. in Candollea 1 : 184. 1923 & 2 : 191. 1925, descr. ampl.

Distrib.: Nilgiri (C. DC. 1923 & 1925).

Piper ovatostemon C. DC. in Candollea 1 : 196. 1923 & 2 : 204. 1925, descr. ampl.

Distrib.: Nilgiri (C. DC. 1923 & 1925).

Piper pykarahense C. DC. in Feddes Repert. 13 : 300. 1914; Sebastine in Bull. Bot. Surv. India 4 : 324. 1962.

Distrib.: Coimbatore, Nilgiri (C. DC. 1914).

Piper schmidtii Hook. f. Fl. Brit. India 5 : 89. 1886; Gamble, Fl. Pres. Madras 2 : 844. 1957 (repr. ed.). *P. arborescens* Miq. Syst. Piperac. 320. 1844 p.p.; Wight, Ic. t. 1940 (right hand figure only). 1853.

A large ornamental shrub, climbing on trees, in shola forests.

Distrib.: Nilgiri. E. O.

Piper trichostachyon (Miq.) C. DC. in DC. Prodr. 16(1) : 242. 1869; Hook. f. Fl. Brit. India 5 : 80. 1886; Gamble, Fl. Pres. Madras 2 : 844. 1957 (repr. ed.). *Muldera trichostachya* Miq. in London J. Bot. 5 : 556. 1846; Wight, Ic. t. 1944. 1853.

A large woody climber.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (Hook. f. 1886), Tirunelveli.

Piper trioicum Roxb. Fl. Ind. 1 : 151. 1820; Wight, Ic. tt. 1935 & 1936. 1853.

P. attenuatum Buch. Ham. ex Miq. Syst. Piperac. 306. 1844; Hook. f. Fl. Brit. India 5 : 92. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.). *P. sylvestre* sensu Wight, Ic. t. 1937.

1853, non Lour. 1790, nec Lam. 1791; Hook. f. Fl. Brit. India 5 : 93. 1886.

A slender climber, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Piper wightii Miq. in London J. Bot. 5 : 552. 1846; Wight, Ic. t. 1939. 1853; Hook. f. Fl. Brit. India 5 : 94. 1886; Gamble, Fl. Pres. Madras 2 : 845. 1957 (repr. ed.).

A stout climber with smooth stems, in shola forests.

Distrib.: Madurai, Nilgiri, Tirunelveli.

CHLORANTHACEAE

G.R. KUMARI

Sarcandra chloranthoides Gard. in Calcutta J. Nat. Hist. 6 : 348. 1846; Wight, Ic. t. 1946. 1853; Verdc. in Kew Bull. 39 : 66. 1983. *Chloranthus brachystachya* sensu Hook. f. Fl. Brit. India 5 : 100. 1886 p.p. (under undeterminable and excluded species), non Blume 1829; Gamble, Fl. Pres. Madras 2 : 848. 1957 (repr. ed.). *Sarcandra irvingbaileyi* Swamy in Proc. Natl. Inst. Sci. India Pt. B, Biol. Sci. 19 : 303. ff. 1-7. t. 11/8-11 & t. 12/12-13. 1953. *S. grandifolia* (Miq.) Subram. & Henry in Bull. Bot. Surv. India 12 : 5. 1970 (1972). *Chloranthus grandifolius* Miq. Fl. Ind. Bat. 1(1) : 802. 1856.

A bush in moist forests; perianth absent, stamen one with thick fleshy filament inserted on ovary; a vesselless dicot.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

MYRISTICACEAE

G.R. KUMARI

Knema attenuata (Wall. ex Hook. f. & Thoms.) Warb. Monog. Myris. 590.

1897; Gamble, Fl. Pres. Madras 2 : 851. 1957 (repr. ed.). *Myristica attenuata* Wall. ex Hook. f. & Thoms. Fl. Ind. 157. 1855; Hook. f. Fl. Brit. India 5 : 110. 1886. *M. corticosa* Bedd. Fl. Sylv. t. 278. 1872.

Tamil: *Chora pathiri*.

A moderate-sized tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Myristica dactyloides Gaertn. Fruct. 1 : 195. t. 41. f. 2 a-d. 1788; Sinclair in Gard. Bull. Straits Settlement. 23 : 445. 1968. *M. laurifolia* Hook. f. & Thoms. Fl. Ind. 163. 1855; Hook. f. Fl. Brit. India 5 : 103. 1886 incl. var. *lanceolata*. *M. beddomei* King in Ann. Roy. Bot. Gard. (Calcutta) 3 : 291. t. 118. ff. 1-8. 1891; Gamble, Fl. Pres. Madras 2 : 850. 1957 (repr. ed.). *M. contorta* Warb. Monog. Myris. 507. t. 16. ff. 1-3. 1897; Gamble, Fl. Pres. Madras 2 : 850. 1957 (repr. ed.).

A large tree, in evergreen forests.

Tamil: *Katujathika*.

Distrib.: In most of the districts. E.

Myristica fatua Houtt. var. *magnifica* (Bedd.) Sinclair in Gard. Bull. Straits Settlement. 23 : 282. 1968. *M. magnifica* Bedd. Fl. Sylv. t. 268. 1872; Hook. f. Fl. Brit. India 5 : 104. 1886; Gamble, Fl. Pres. Madras 2 : 850. 1957 (repr. ed.).

A lofty tree, in evergreen forests.

Distrib.: Tirunelveli.

Myristica fragrans Houtt. Nat. Hist. 3 : 333. 1774; Hook. f. Fl. Brit. India 5 : 102. 1886; Gamble, Fl. Pres. Madras 2 : 850. 1957 (repr. ed.).

Tamil: *Adipalam*, *Sivigaram*, *Jathikai*.

A tree, cultivated. E.

LAURACEAE

V. CHANDRASEKARAN

Actinodaphne bourdillonii Gamble in Kew Bull. 1925 : 129. 1925 & Fl. Pres. Madras 2 : 862. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Madurai, Nilgiri (Gamble 1957).

Actinodaphne bourneae Gamble in Kew Bull. 1925 : 128. 1925 & Fl. Pres. Madras 2 : 861. 1957 (repr. ed.).

A small tree, in sholas at high altitudes.

Distrib.: Madurai.

Actinodaphne campanulata Hook. f. Fl. Brit. India 5 : 148. 1886, var. *campanulata*; Gamble, Fl. Pres. Madras 2 : 861. 1957 (repr. ed.). *A. salicina* sensu Bedd. Fl. Sylv. t. 295. 1873, non Meisner 1864.

A medium-sized tree or shrub, in hills.

Distrib.: Kanniyakumari, Tirunelveli.

Actinodaphne campanulata Hook. f. var. *obtusata* Gamble, Fl. Pres. Madras 1230. 1925 & 2 : 861. 1957 (repr. ed.).

An elegant little tree, in evergreen forests.

Distrib.: Western Ghats (Gamble 1957).

Actinodaphne lanata Meisner in DC. Prodr. 15(1) : 219. 1864; Hook. f. Fl. Brit. India 5 : 149. 1886; Gamble, Fl. Pres. Madras 2 : 861. 1957 (repr. ed.).

A tree with lanceolate leaves and black globose berries, in shola forests at high altitudes.

Distrib.: Nilgiri.

Actinodaphne lawsonii Gamble in Kew Bull. 1925 : 129. 1925 & Fl. Pres. Madras 2 : 862. 1957 (repr. ed.).

A small tree, in hills.

Distrib.: Nilgiri.

Actinodaphne maderaspatana Bedd. ex Hook. f. Fl. Brit. India 5 : 149. 1886; Gamble, Fl. Pres. Madras 2 : 861. 1957 (repr. ed.).

A tree at lower hills.

Distrib.: Chengalpattu (Gamble 1957), North Arcot, South Arcot (Gamble 1957).

Actinodaphne malabarica Balakr. in J. Bombay Nat. Hist. Soc. 63 : 329. 1967. *A. hirsuta* Hook. f. Fl. Brit. India 5 : 152. 1886, non Blume 1851; Gamble, Fl. Pres. Madras 2 : 862. 1957 (repr. ed.). *A. hookeri* sensu Bedd. Fl. Sylv. t. 296. 1873 p.p., non Meisner 1864.

A lofty tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Actinodaphne salicina Meisner in DC. Prodr. 15 (1) : 212. 1864; Hook. f. Fl. Brit. India 5 : 148. 1886; Gamble, Fl. Pres. Madras 2 : 861. 1957 (repr. ed.).

A tree with narrow slender leaves, in shola forests at high altitudes.

Distrib.: Nilgiri.

Actinodaphne tadulingamii Gamble in Kew Bull. 1925 : 130. 1925 & Fl. Pres. Madras 2 : 862. 1957 (repr. ed.).

A tree in evergreen forests at lower hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Alseodaphne semecarpifolia Nees in Wall. Pl. Asiat. Rar. 2 : 72. 1831, var. *semecarpifolia*; Wight, Ic. t. 1826. 1852; Hook. f. Fl. Brit. India 5 : 144. 1886; Gamble, Fl. Pres. Madras 2 : 858. 1957 (repr. ed.).

Tamil: *Yavaranai*.

A large or moderate-sized tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, South Arcot, Tirunelveli. E.

Alseodaphne semecarpifolia Nees var. *angustifolia* Meisner in DC. Prodr. 15 (1) : 28. 1864; Hook. f. Fl. Brit. India 5 : 144. 1886; Gamble, Fl. Pres. Madras 2 : 858. 1957 (repr. ed.).

A small tree, at lower hills.

Distrib.: Madurai, Ramanathapuram.

Alseodaphne semecarpifolia Nees var. *parvifolia* Hook. f. Fl. Brit. India 5 : 144. 1886; Gamble, Fl. Pres. Madras 2 : 858. 1957 (repr. ed.) *A. semecarpifolia* sensu Wight, Ic. t. 1827. 1852, non Nees 1831.

A small tree, in hills.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Apollonias urnottii Nees, Syst. Laurin. 670. 1836; Wight, Ic. t. 1819. 1852; Hook. f. Fl. Brit. India 5 : 121. 1886; Gamble, Fl. Pres. Madras 2 : 854. 1957 (repr. ed.).

A moderate-sized tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Beilschmiedia bourdillonii Brandis, Indian Trees 528. 1906; Gamble, Fl. Pres. Madras 2 : 855. 1957 (repr. ed.). *B. fagifolia* Bedd. Fl. Sylv. t. 263. 1872, non Nees 1831.

A large tree, in evergreen forests at lower hills.

Distrib.: Salem (Brandis 1906).

Beilschmiedia wightii (Nees) Benth. ex Hook. f. Fl. Brit. India 5 : 124. 1886; Gamble, Fl. Pres. Madras 2 : 855. 1957 (repr. ed.). *Haasia wightii* Nees, Syst.

Laurin. 676. 1836; Wight, Ic. t. 1831. 1852.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Cassytha capillaris Meisner in DC. Prodr. 15 (1) : 252. 1864; Hook. f. Fl. Brit. India 5 : 188. 1886; Gamble, Fl. Pres. Madras 2 : 868. 1957 (repr. ed.).

A twining parasite on *Thottea barberi* (Gamble) Ding Hou.

Distrib.: Tirunelveli. R.

Cassytha filiformis L. Sp. Pl. 35. 1753; Wight, Ic. t. 1847. 1852; Hook. f. Fl. Brit. India 5 : 188. 1886; Gamble, Fl. Pres. Madras 2 : 868. 1957 (repr. ed.).

Tamil: *Erumaikkottan*.

A twining parasite, on various species of young trees and bushes.

Distrib.: Almost all districts. E.

Cinnamomum camphora (L.) Presl, Prir. Rostl. 2 : 47. t. 8. 1825; Hook. f. Fl. Brit. India 5 : 134. 1886; Gamble, Fl. Pres. Madras 2 : 858. 1957 (repr. ed.). *Laurus camphora* L. Sp. Pl. 369. 1753.

Tamil: *Indu, Karpuram, Sudam*.

Camphor tree of Japan, cultivated. E.

Cinnamomum filipedicellatum Kosterm. in Bull. Bot. Surv. India 25 : 92. 1983 (1985). *C. gracile* Hook. f. Fl. Brit. India 5 : 133. 1886, non Miq. 1864; Gamble, Fl. Pres. Madras 2 : 856. 1957 (repr. ed.).

A shrub or tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri (Kosterm. 1985), Tirunelveli. R. +.

Cinnamomum keralaense Kosterm. in Bull. Bot. Surv. India 25 : 98. 1983 (1985). *C. litseaefolium* sensu Hook. f. Fl. Brit. India 5 : 133. 1886 p.p., non

Thw. 1861; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

A tree with long petiolate leaves.

Distrib.: Coimbatore and Tirunelveli (Gamble 1957).

Cinnamomum macrocarpum Hook. f. Fl. Brit. India 5 : 133. 1886; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.). *C. iners* sensu Wight, Ic. tt. 122 & 130. 1839, non Reinw. ex Blume 1826.

Tamil: *Karuva, Ilavangappattai, Periyalavangappattai*.

A tree with coriaceous shining leaves, at high altitudes.

Distrib.: Coimbatore (CAL & HIFP), Nilgiri; Salem and Tiruchchirappalli (Gamble 1957), Tirunelveli. E.

Cinnamomum malabatum (Burm. f.) Blume, Bijdr. 568. 1826; Kosterm. in Manilal, Bot. Hist. Hort. Malab. 163-167. 1980. *Laurus malabatum* Burm. f. Fl. Ind. 92. 1768. *Cinnamomum iners* sensu Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.), non Reinw. ex Blume 1826.

A large or medium-sized tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Wealth of India 1950), Tirunelveli. E.

Cinnamomum multiflorum (Roxb.) Wight, Ic. t. 131. 1839; Hook. f. Fl. Brit. India 5 : 132. 1886; Fischer in Rec. Bot. Surv. India 9 (1) : 153. 1921. *Laurus multiflora* Roxb. Fl. Ind. 2 : 298. 1832.

A small tree, in moist areas.

Distrib.: Coimbatore (Fischer 1921).

Cinnamomum nitidum Blume, Rumph. 1 : 35. t. 13. f. 2. 1836; Hook. f. Fl. Brit. India 5 : 130. 1886; Fischer in Rec. Bot. Surv. India 9 (1) : 153. 1921.

A slender tree.

Distrib.: Coimbatore (Fischer 1921).

Cinnamomum perrottetii Meisner in DC. Prodr. 15 (1) : 22, 504. 1864; Hook. f. Fl. Brit. India 5 : 134. 1886; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

A small tree or shrub with coriaceous leaves, at high altitudes.

Distrib.: Nilgiri.

Cinnamomum riparium Gamble in Kew Bull. 1925 : 128. 1925 & Fl. Pres. Madras 2 : 856. 1957 (repr. ed.).

A graceful little tree.

Distrib.: Coimbatore. R. +

Cinnamomum sulphuratum Nees in Wall. Pl. Asiat. Rar. 2 : 74. 1831; Hook. f. Fl. Brit. India 5 : 132. 1886; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

A tree with pale yellowish branches and leaves, in sholas.

Distrib.: Coimbatore, Kanniyakumari (UCT), Madurai, Nilgiri.

Cinnamomum travancoricum Gamble in Kew Bull. 1925 : 128. 1925 & Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

A small or medium-sized tree, in evergreen forests.

Distrib.: Madurai (HIFP). R. +.

Cinnamomum verum Presl, Prir. Rostl. 2 : 36. t. 7. 1825. *C. zeylanicum* Blume, Bijdr. 568. 1826; Wight, Ic. t. 123. 1839; Hook. f. Fl. Brit. India 5 : 131. 1886; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

Tamil: *Karruwa, Ilavangam, Ilavangappattai, Cannalavangappattai*.

A moderate-sized tree, at low levels.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli, Tirunelveli. E.

Cinnamomum walaiwarens Kosterm. in Bull. Bot. Surv. India 25 : 119. 1983 (1985).

A tree with minutely subsericeous branchlets.

Distrib.: Tirunelveli.

Cinnamomum wightii Meisner in DC. Prodr. 15 (1) : 11. 1864; Hook. f. Fl. Brit. India 5 : 132. 1886; Fyson, Fl. South Indian Hill St. 2 : t. 437. 1932; Gamble, Fl. Pres. Madras 2 : 857. 1957 (repr. ed.).

A stout tree, in shola forests at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Cryptocarya anamalayana Gamble in Kew Bull. 1925 : 126. 1925 & Fl. Pres. Madras 2 : 853. 1957 (repr. ed.). *Cryptocarya* sp. Hook. f. Fl. Brit. India 5 : 121. 1886.

A tree, in hills.

Distrib.: Coimbatore (CAL).

Cryptocarya beddomei Gamble in Kew Bull. 1925 : 127. 1925 & Fl. Pres. Madras 2 : 853. 1957 (repr. ed.).

A tree with coriaceous leaves.

Distrib.: Coimbatore, Madurai; Nilgiri and Tirunelveli (Razi 1959).

Cryptocarya bourdillonii Gamble in Kew Bull. 1925 : 127. 1925 & Fl. Pres. Madras 2 : 853. 1957 (repr. ed.). *C. wightiana* sensu Hook. f. Fl. Brit. India 5 : 120. 1886 p.p., non Thw. 1861.

A tall tree, in evergreen forests.

Distrib.: Coimbatore (FRC), Madurai, Tirunelveli.

Cryptocarya lawsonii Gamble in Kew Bull. 1925 : 127. 1925 & Fl. Pres. Madras 2 : 853. 1957 (repr. ed.), "lawsoni".

A lofty tree, in sholas at high altitudes.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Gamble 1957).

Cryptocarya neilgherrensis Meisner in DC. Prodr. 15 (1) : 71. 1864; Gamble, Fl. Pres. Madras 2 : 853. 1957 (repr. ed.). *C. stocksii* sensu Hook. f. Fl. Brit. India 5 : 120. 1886 p.p., non Meisner 1864.

A large tree, in shola forests.

Distrib.: Coimbatore, Nilgiri.

Cryptocarya stocksii Meisner in DC. Prodr. 15 (1) : 71. 1864; Hook. f. Fl. Brit. India 5 : 120. 1886 p.p.; Gamble, Fl. Pres. Madras 2 : 853. 1957 (repr. ed.).

A large or medium-sized tree.

Distrib.: Coimbatore, Kanniyakumari (UCT), Madurai (CAL), Nilgiri.

Laurus nobilis L. Sp. Pl. 369. 1753.

A small tree, cultivated in gardens. E.

Litsea beddomei Hook. f. Fl. Brit. India 5 : 177. 1886; Gamble, Fl. Pres. Madras 2 : 866. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Litsea bourdillonii Gamble in Kew Bull. 1925 : 131. 1925 & Fl. Pres. Madras 2 : 866. 1957 (repr. ed.).

A moderate-sized or large tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Litsea coriacea (Heyne ex Meisner) Hook. f. Fl. Brit. India 5 : 166. 1886; Gamble, Fl. Pres. Madras 2 : 865. 1957 (repr. ed.). *Tetranthera coriacea* Heyne ex Meisner in DC. Prodr. 15 (1) : 186. 1864.

Tamil: *Pannithalal*.

A small tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Litsea deccanensis Gamble, Fl. Pres. Madras 1235. 1925 & 2 : 864. 1957 (repr. ed.). *L. tomentosa* Heyne ex Nees in Wall. Pl. Asiat. Rar. 2 : 65. 1831, non Blume 1826; Hook. f. Fl. Brit. India 5 : 157. 1886. *Tetranthera tomentosa* Roxb. ex Wight, Ic. t. 1834. 1852.

Tamil: *Perumbandali*.

A moderate-sized tree with soft grey or tawny branchlets and leaves, in rather dry forests.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem (Gamble 1957), South Arcot, Tiruchchirappalli, Tirunelveli. E.

Litsea floribunda (Blume) Gamble, Fl. Pres. Madras 1238. 1925 & 2 : 867. 1957 (repr. ed.). *Cylicodaphne floribunda* Blume, Mus. Bot. Lugduno-Batavum 1 : 387. 1851. *Tetranthera wightiana* sensu Bedd. Fl. Sylv. t. 293. 1873, non Nees 1836. *Litsea wightiana* Hook. f. Fl. Brit. India 5 : 177. 1886 quoad descr.

A large or moderate-sized tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Litsea glabrata (Wall. ex Nees) Hook. f. Fl. Brit. India 5 : 174. 1886; Gamble, Fl. Pres. Madras 2 : 866. 1957 (repr. ed.). *Tetranthera glabrata* Wall. ex Nees in Wall. Pl. Asiat. Rar. 2 : 67. 1831.

Tamil: *Ongakanni*.

A tree, in shola forests, at high altitudes.

Distrib.: Madurai, Nilgiri, Tirunelveli. E.

Litsea glutinosa (Lour.) C. Robinson in Philipp. J. Sci. 6 : 321. 1911. *Sebifera glutinosa* Lour. Fl. Cochinch. 2 : 638. 1790. *Litsea chinensis* Lam. Encycl. 3 : 574. 1792; Gamble, Fl. Pres. Madras

2 : 864. 1957 (repr. ed.). *L. sebifera* (Willd.) Pers. Syn. 2 : 4. 1806; Hook. f. Fl. Brit. India 5 : 157. 1886. *Tomex sebifera* Willd. Sp. Pl. 2 : 840. 1799. *Tetranthera apetalata* Roxb. Pl. Cor. t. 147. 1800.

Tamil: *Muchaipeyetti*, *Uralli*, *Elumburukki*.

A moderate-sized tree.

Distrib.: Chengalpattu, Madurai, Nilgiri, North Arcot, Ramanathapuram. E.

Litsea hookeriana Meisner in DC. Prodr. 15 (1) : 188. 1864; Hook. f. Fl. Brit. India 5 : 166. 1886; Fischer in Rec. Bot. Surv. India 9 (1) : 155. 1921.

A small tree or shrub.

Distrib.: Coimbatore (Fischer 1921).

Litsea insignis Gamble in Kew Bull. 1925 : 130. 1925 & Fl. Pres. Madras 2 : 866. 1957 (repr. ed.).

A lofty tree, in evergreen forests at low levels.

Distrib.: Coimbatore.

Litsea laevigata (Nees) Gamble, Fl. Pres. Madras 1236. 1925 & 2 : 865. 1957 (repr. ed.). *Tetranthera attenuata* Nees var. *laevigata* Nees, Syst. Laurin. 677. 1836. *Litsea salicifolia* (Roxb. ex Nees) Hook. f. Fl. Brit. India 6 : 167. 1886 p.p. *Tetranthera salicifolia* Roxb. ex Nees in Wall. Pl. Asiat. Rar. 2 : 66. 1831.

A tree, umbellule bracts grey silky.

Distrib.: Nilgiri, Tirunelveli.

Litsea ligustrina (Nees) Hook. f. Fl. Brit. India 5 : 158. 1886; Gamble, Fl. Pres. Madras 2 : 864. 1957 (repr. ed.). *Tetranthera ligustrina* Nees in Wall. Pl. Asiat. Rar. 2 : 65. 1831; Wight, Ic. t. 1835. 1852.

A small tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Litsea monopetala (Roxb.) Pers. Syn. 2 : 4. 1801. *Tetranthera monopetala* Roxb. Pl. Cor. 2 : 26. 1800. *Litsea polyantha* Juss. in Ann. Mus. Hist. Nat. 6 : 211. 1805; Hook. f. Fl. Brit. India 5 : 162. 1886; Gamble, Fl. Pres. Madras 2 : 866. 1957 (repr. ed.).

Tamil: *Maidalagadil*, *Muchaippeyetti*, *Picinpattai*.

An evergreen bush or small tree.

Distrib.: Coimbatore (Fischer 1921).

Litsea nigrescens Gamble, Fl. Pres. Madras 1236. 1925 & 2 : 865. 1957 (repr. ed.). *Tetranthera panamanja* sensu Wight, Ic. t. 1836. 1852, non Buch.-Ham. 1830.

A moderate-sized tree, at low levels.

Distrib.: Tirunelveli (Gamble 1957).

Litsea oleoides (Meisner) Hook. f. Fl. Brit. India 5 : 175. 1886; Gamble, Fl. Pres. Madras 2 : 865. 1957 (repr. ed.). *Tetranthera oleoides* Meisner in DC. Prodr. 15 (1) : 195. 1864.

A large tree with thick leaves, in evergreen forests at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Litsea stocksii (Meisner) Hook. f. Fl. Brit. India 5 : 176. 1886, var. ***stocksii***; Gamble, Fl. Pres. Madras 2 : 865. 1957 (repr. ed.). *Tetranthera oblonga* Nees var. *stocksii* Meisner in DC. Prodr. 15 (1) : 205. 1864.

A small tree with short and few-flowered racemes, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli. E.

Litsea stocksii (Meisner) Hook. f. var. ***glabrescens*** (Meisner) Hook. f. Fl. Brit. India 5 : 176. 1886; Gamble, Fl. Pres.

Madras 2 : 865. 1957 (repr. ed.) *Cylicodaphne wightiana* Nees var. *glabrescens* Meisner in DC. Prodr. 15 (1) : 201. 1864.

A small tree at high altitudes.

Distrib.: Nilgiri.

Litsea venulosa (Meisner) Hook. f. Fl. Brit. India 5 : 161. 1886; Gamble, Fl. Pres. Madras 2 : 865. 1957 (repr. ed.). *Tetranthera venulosa* Meisner in DC. Prodr. 15 (1) : 187. 1864.

A straggling evergreen shrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Litsea wightiana (Nees) Hook. f. in Benth. & Hook. f. Gen. Pl. 3 : 162. 1880, var. ***wightiana***; Hook. f. Fl. Brit. India 5 : 177. 1886 p.p.; Gamble, Fl. Pres. Madras 2 : 866. 1957 (repr. ed.). *Cylicodaphne wightiana* Nees in Wall. Pl. Asiat. Rar. 2 : 68. 1831; Wight, Ic. t. 1833. 1852.

A large tree with tawny branchlets and foliage, in evergreen forests at high altitudes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (FRC), Tirunelveli. E.

Litsea wightiana (Nees) Hook. f. var. ***tomentosa*** (Meisner) Gamble, Fl. Pres. Madras 1238. 1925 & 2 : 866. 1957 (repr. ed.). *Cylicodaphne wightiana* Nees var. *tomentosa* in DC. Prodr. 15 (1) : 200. 1864.

A tree at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Neolitsea cassia (L.) Kosterm. in J. Sci. Res. (Jakarta) 1 : 85. 1952. *Laurus cassia* L. Sp. Pl. 369. 1753. *Neolitsea zeylanica* (Nees) Merr. in Philipp. J. Sci. 1 (Suppl.) : 57. 1906; Gamble, Fl. Pres. Madras 2 : 867. 1957 (repr. ed.). *Litsea zeylanica* Nees in Amoën. Bot. Bonn.

Fasc. 1 : 58. t. 5. 1823; Bedd. Fl. Sylv. t. 294. 1873; Hook. f. Fl. Brit. India 5 : 178. 1886 p.p.

Tamil: *Molagashembaga-palei*.

A small or moderate-sized tree, in evergreen and shola forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, North Arcot, Ramana-thapuram, South Arcot, Tiruchchirappalli, Tirunelveli. E.

Neolitsea fischeri Gamble in Kew Bull. 1925 : 132. 1925 & Fl. Pres. Madras 2 : 868. 1957 (repr. ed.).

A large tree, in evergreen forests at high altitudes.

Distrib.: Coimbatore.

Neolitsea foliosa (Nees) Gamble var. *caesia* (Meisner) Gamble, Fl. Pres. Madras 1240. 1925 & 2 : 868. 1957 (repr. ed.). *Litsea foliosa* Nees var. *caesia* Meisner in DC. Prodr. 15 (1) : 222. 1864.

A tree with long petioled, usually long acuminate, very glaucous leaves, from low level to high altitudes.

Distrib.: Coimbatore (Gamble 1957), Madurai, South Arcot (Gamble 1957).

Neolitsea scrobiculata (Meisner) Gamble, Fl. Pres. Madras 1240. 1925 & 2 : 868. 1957 (repr. ed.). *Litsea scrobiculata* Meisner in DC. Prodr. 15 (1) : 223. 1864. *L. zeylanica* sensu Hook. f. Fl. Brit. India 5 : 178. 1886 p.p., non Nees 1823.

A tree at high altitudes; leaves long-petioled

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem, Tirunelveli.

Persea americana Mill. Gard. Dict. ed. 8. 1768. *Laurus persea* L. Sp. Pl. 370. 1753. *Persea gratissima* Gaertn. f. Fruct. 3 : 222. 1807; Curtis, Bot. Mag. t. 4580. 1851; Gamble, Fl. Pres. Madras 2 : 869.

1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20 (1) : 191. 1969.

A tree, cultivated for its fruits. E.

Persea macrantha (Nees) Kosterm. in Reinwardtia 6 : 193. 1962. *Machilus macrantha* Nees in Wall. Pl. Asiat. Rar. 2 : 70. 1831; Wight, Ic. t. 1824. 1852; Hook. f. Fl. Brit. India 5 : 140. 1886; Gamble, Fl. Pres. Madras 2 : 859. 1957 (repr. ed.).

Tamil: *Kollamavu*.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (FRC). E.

Phoebe lanceolata Nees, Syst. Laurin. 109. 1836; Wight, Ic. t. 1821. 1852; Hook. f. Fl. Brit. India 5 : 141. 1886; Gamble, Fl. Pres. Madras 2 : 860. 1957 (repr. ed.).

A medium-sized tree, in evergreen forests.

Distrib.: Coimbatore and Nilgiri (Gamble 1957). E. R.

Phoebe paniculata Nees, Syst. Laurin. 105. 1836; Hook. f. Fl. Brit. India 5 : 142. 1886 p.p.; Gamble, Fl. Pres. Madras 2 : 860. 1957 (repr. ed.).

Tamil: *Sudalan*.

A tree with nearly black branches.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri (FRC), Tiruchchirappalli (Gamble 1957).

Phoebe wightii Meisner in DC. Prodr. 15 (1) : 38. 1864; Gamble, Fl. Pres. Madras 2 : 860. 1957 (repr. ed.). *P. paniculata* auct. non Nees 1836; Wight, Ic. t. 1820. 1852; Hook. f. Fl. Brit. India 5 : 142. 1886 p.p.

A moderate-sized tree, in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (Gamble 1957).

HERNANDIACEAE

V. CHANDRASEKARAN

Gyrocarpus asiaticus Willd. Sp. Pl. 4 : 982. 1806; Verdc. in Kew Bull. 21 : 252. 1967. *G. jacquini* Roxb. Pl. Cor. t. 1. 1795 p. p.; Bedd. Fl. Sylv. t. 196. 1872; Hook. f. Fl. Brit. India 5 : 461. 1878. *G. americanus* sensu Gamble, Fl. Pres. Madras 2 : 869. 1957 (repr. ed.), non Jacq. 1763.

Tamil: *Tanakku, Kudavai, Karamanikkay, Teppam.*

A large tree in deciduous forests.

Distrib.: Almost all districts. E.

PROTEACEAE

G.R. KUMARI

Banksia marginata Cav. in Anales Hist. Nat. 1 : 227. t. 13. 1799.

Cultivated in hills. E.

Grevillea banksii R. Br. in Trans. Linn. Soc. London 10 : 176. 1810.

A tall shrub or slender tree, cultivated as an ornamental in hill stations. E.

Grevillea bipinnatifida R. Br. Prot. Nov. 28. 1830.

Cultivated in hills. E.

Grevillea hilliana F. v. Muell. in Trans. & Proc. Philos. Inst. Victoria 2 : 72. 1858.

A large tree, cultivated in hills. E.

Grevillea punicea R. Br. in Trans. Linn. Soc. London 10 : 175. 1810.

Cultivated in hills. E.

Grevillea robusta A. Cunn. ex R. Br. Proteac. Nov. 24. 1830; Gamble, Fl. Pres. Madras 2 : 870. 1957 (repr. ed.).

Tamil: *Savukku-maram.*

An evergreen tree, used for shade in plantations in hills. E.

Hakea laurina R. Br. Proteac. Nov. 29. 1830.

Cultivated in hills. E.

Hakea salicifolia (Vent.) Burt in Kew Bull. 1941 : 33. 1941. *Embothrium salicifolium* Vent. Jard. Cels. t. 8. 1800. *Hakea saligna* (Andr.) Knight, Prot. 108. 1809. *Embothrium salignum* Andr. Bot. Repos. 3 : t. 215. 1802.

An evergreen shrub or small tree, almost naturalized in hill stations. E.

Hakea sericea Schrader, Sert. Hannov. 27. 1795. *H. acicularis* (Smith ex Vent.) Knight, Prot. 107. 1809. *Conchium aciculare* Smith ex Vent. Jard. Mal. 2 : t. 111. 1805.

An evergreen shrub or small tree, cultivated and occasionally naturalized in hills. E.

Helicia nilagirica Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 56. t. 11. 1864; Hook. f. Fl. Brit. India 5 : 190. 1886; Gamble, Fl. Pres. Madras 2 : 870. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Nilgiri. E. R.

Helicia robusta (Roxb.) R. Br. ex Blume in Ann. Sci. Nat. Bot. ser. 2. 1 : 220. 1834; Hook. f. Fl. Brit. India 5 : 191. 1886. *Roupala robusta* Roxb. Fl. Ind. 1 : 366. 1820; Wight, Ic. t. 191. 1839. *Helicia travancorica* Bedd. ex Hook. f. Fl. Brit. India 5 : 191. 1886; Gamble, Fl. Pres. Madras 2 : 870. 1957 (repr. ed.).

A handsome tree, on banks of streams in evergreen forests.

Distrib.: Kanniya-kumari, Tirunelveli (Gamble 1957). E. R.

Leucadendron argenteum (L.) R. Br. in Trans. Linn. Soc. London 10 : 52. 1810. *Protea argentea* L. Sp. Pl. 94. 1753.

Cultivated in hills. E.

Macadamia ternifolia F. v. Muell. in Trans. & Proc. Philos. Inst. Victoria 2 : 72. 1858.

A tree, cultivated in hills. E.

Petrophila pulchella R. Br. in Trans. Linn. Soc. London 10 : 69. 1810.

Cultivated in hills. E.

Stenocarpus salignus R. Br. in Trans. Linn. Soc. London 10 : 202. 1810.

A moderate-sized tree, cultivated. E.

THYMELAEACEAE

G.R. KUMARI

Gnidia glauca (Fresen.) Gilg in Bot. Jahrb. Syst. 19 : 265. 1894 in obs. var. **glauca**; Townsend in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 2 : 505. 1981. *Lasiosiphon glaucus* Fresen. in Flora 21 : 603. 1838. *Gnidia eriocephala* Meisner in Denkschr. Koenigl. Baier. Bot. Ges. Regensburg 3 : 292. 1841; Wight, Ic. t. 1859. 1852. *Lasiosiphon eriocephalus* (Meisner) Decne. in Jacq. Voy. 148. 1844; Hook. f. Fl. Brit. India 5 : 197. 1886; Gamble, Fl. Pres. Madras 2 : 871. 1957 (repr. ed.).

Tamil: *Nacchinar*.

A small tree or large shrub with bright yellow flowers, in open forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli. E.

Gnidia glauca (Fresen.) Gilg var. **sisparensis** (Gard.) Kumari comb. nov. *Gnidia sisparensis* Gard. in Calcutta J. Nat. Hist. 7 : 457. 1847; Wight, Ic. t. 1860. 1852. *Lasiosiphon eriocephalus* (Meisner) Decne. var. *sisparensis* (Gard.) Gamble, Fl. Pres. Madras 1244. 1925 & 2 : 871. 1957 (repr. ed.).

A large shrub; leaves obovate, obtuse, subsessile.

Distrib.: Nilgiri, Ramanathapuram.

Gyrinops walla Gaertn. Fruct. 2 : 276. t. 140. f. 6. 1791; Wight, Ic. t. 1850. 1852; Hook. f. Fl. Brit. India 5 : 199. 1886; Gamble, Fl. Pres. Madras 2 : 871. 1957 (repr. ed.).

A small tree.

Distrib.: Tirunelveli.

Ovidia humboldtia Meisner in DC. Prodr. 15 : 524. 1857.

Cultivated in gardens.

Wikstroemia indica (L.) C. Meyer in Bull. Cl. Phys.-Math. Acad. Imp. Sci. Saint-Petersbourg 1 : 357. 1843. *Daphne indica* L. Sp. Pl. 357. 1753. *Wikstroemia viridiflora* Meisner in Denkschr. Koenigl.-Baier. Bot. Ges. Regensburg 3 : 286. 1841; Gamble, Fl. Pres. Madras 2 : 872. 1957 (repr. ed.). *W. indica* (L.) C. Meyer var. *viridiflora* (Meisner) Hook. f. Fl. Brit. India 5 : 195. 1886.

A shrub, cultivated in gardens and runs wild. E.

ELAEAGNACEAE

G.R. KUMARI

Elaeagnus conferta Roxb. Fl. Ind. 1 : 460. 1820; Gamble, Fl. Pres. Madras 2 : 873. 1957 (repr. ed.). *E. latifolia* auct. non L. 1753; Bedd. Fl. Sylv. t. 180. 1872; Hook. f. Fl. Brit. India 5 : 202. 1886 p.p.

Tamil: *Kulari, Kolungai*.

A large, sometimes thorny straggling shrub.

Distrib.: In most of the districts.

Elaeagnus indica Servettaz in Bull. Herb. Boissier ser. 2. 7 : 393. 1908; Gamble, Fl. Pres. Madras 2 : 872. 1957 (repr. ed.).

A slender, straggling shrub, in hilly regions.

Distrib.: In most of the districts.

Elaeagnus kologa Schlecht. in DC. Prodr. 14 : 611. 1857; Gamble, Fl. Pres. Madras 2 : 873. 1957 (repr. ed.). *E. latifolia* L. Sp. Pl. 121. 1753 p.p.; Wight, Ic. t. 1856. 1852; Hook. f. Fl. Brit. India 5 : 202. 1886 p.p.

Tamil: *Kolungai*.

A large, sometimes thorny, straggling or climbing shrub.

Distrib.: Madurai, Nilgiri, Salem (Matthew 1981), Ramanathapuram.

LORANTHACEAE

V. CHANDRASEKARAN

Dendrophthoe falcata (L.f.) Etting. in Denkschr. Kaiserl. Akad. Wiss., Math.-Naturwiss. Kl. 32 : 52, 53, 58. t. 13. f. 14. 1872, var. *falcata*. *Loranthus falcatus* L.f. Suppl. Pl. 211. 1781. *L. longiflorus* Desr. in Lam. Encycl. 3 : 598. 1792; Hook. f. Fl. Brit. India 5 : 214. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.). *L. longiflorus* Desr. var. *falcata* (L.f.) Kurz, For. Fl. Burma 2 : 321. 1877; Hook. f. Fl. Brit. India 5 : 215. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.) *L. longiflorus* Desr. var. *amplexifolia* (DC.) Thw. Enum. Pl. Zeyl. 134. 1859; Hook. f. Fl. Brit. India 5 : 215. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.). *L. amplexifolia* DC. Prodr. 4 : 306. 1830.

Tamil: *Plavithil*, *Pulluruvi*.

A large parasitic shrub, chiefly in deciduous forests.

Distrib.: Almost all districts. E.

Dendrophthoe falcata (L.f.) Etting. var. **pubescens** (Hook. f.) Chandrasekaran comb. nov. *Loranthus longiflorus* Desr. var. *pubescens* Hook. f. Fl. Brit. India 5 : 215. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.).

A parasitic shrub at lower hills.

Distrib.: Coimbatore and Nilgiri (FRC); "Lower hills of W. Ghats" (Gamble 1957).

Dendrophthoe memecylifolia (Wight & Arn.) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 310. 1929. *Loranthus memecylifolius* Wight & Arn. Prodr. 383. 1834; Hook. f. Fl. Brit. India 5 : 217. 1886; Gamble, Fl. Pres. Madras 2 : 878. 1957 (repr. ed.).

A stout glabrous parasitic shrub, at high altitudes.

Distrib.: Madurai, Nilgiri.

Dendrophthoe neelgherrensis (Wight & Arn.) Tieghem in Bull. Soc. Bot. France 42 : 252. 1895. *Loranthus neelgherrensis* Wight & Arn. Prodr. 382. 1834; Wight, Ic. t. 1020. 1845; Hook. f. Fl. Brit. India 5 : 216. 1886; Gamble, Fl. Pres. Madras 2 : 878. 1957 (repr. ed.).

A large woody parasitic shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram.

Dendrophthoe sarcophylla (Wight & Arn.) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 311. 1929. *Loranthus sarcophyllus* Wight & Arn. Prodr. 384. 1834; Hook. f. Fl. Brit. India 5 : 217. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.).

A very stout parasitic shrub.

Distrib.: Madurai and Nilgiri (Gamble 1957).

Dendrophthoe trigona (Wight & Arn.) Danser ex Sant. in Rec. Bot. Surv. India 16(1) : 163. 1953. *Loranthus trigonus* Wight & Arn. Prodr. 386. 1834; Hook. f. Fl. Brit. India 5 : 219. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.).

A large very thick and fleshy parasitic shrub.

Distrib.: Madurai, Nilgiri, Ramanathapuram.

Helicanthus elastica (Desr.) Danser in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 2. 29(6) : 55. 1933. *Loranthus elasticus* Desr. in Lam. Encycl. 3 : 599. 1792; Hook. f. Fl. Brit. India 5 : 216. 1886; Gamble, Fl. Pres. Madras 2 : 878. 1957 (repr. ed.). *L. euphorbiae* Wight in Calcutta J. Nat. Hist. 6 : 363. 1846 & Ic. t. 1063. 1846.

Tamil: *Andugan, Cigari*.

A parasitic shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli.

Helixanthera hookeriana (Wight & Arn.) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 317. 1929. *Loranthus hookerianus* Wight & Arn. Prodr. 381. 1834; Hook. f. Fl. Brit. India 5 : 207. 1886; Gamble, Fl. Pres. Madras 2 : 875. 1957 (repr. ed.).

A slender parasitic shrub in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Helixanthera intermedia (Wight) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 317. 1929. *Loranthus intermedius* Wight in Calcutta J. Nat. Hist. 6 : 361. 1846; Hook. f. Fl. Brit. India 5 : 205. 1886; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A stout parasitic shrub, common in sholas.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Danser 1972), Nilgiri, Salem, Tirunelveli.

Helixanthera lepidophylla (Walp.) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 317. 1929. *Loranthus lepi-*

dophyllus Walp. Ann. 2 : 730. 1852. *L. wightii* Hook. f. Fl. Brit. India 5 : 207. 1886; Gamble, Fl. Pres. Madras 2 : 875. 1957 (repr. ed.).

A slender parasitic shrub in hills.

Distrib.: Kanniyakumari, Ramanathapuram, Tirunelveli.

Helixanthera obtusata (Schultes) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 317. 1929. *Loranthus obtusatus* Schultes in Roem. & Schultes, Syst. 7 : 1650. 1830; Hook. f. Fl. Brit. India 5 : 205. 1886; Fyson, Fl. South Indian Hill St. 2 : t. 443. 1932; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A large parasitic shrub, at high altitudes in sholas and plantations.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Nair 1985).

Helixanthera wallichiana (Schultes) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 319. 1929. *Loranthus wallichianus* Schultes in Roem. & Schultes, Syst. 7 : 100. 1829; Wight, Ic. t. 143. 1839; Hook. f. Fl. Brit. India 5 : 205. 1886; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A stout parasitic shrub found on species of *Helicteres* and *Memecylon*.

Distrib.: Coimbatore (FRC), Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Korthalsella japonica (Thunb.) Engler in Engler & Prantl, Pflanzenf. 1 : 138. 1887, var. *japonica*; Fyson, Fl. South Indian Hill St. 2 : t. 452. 1932; Gamble, Fl. Pres. Madras 2 : 879. 1957 (repr. ed.). *Viscum japonicum* Thunb. in Trans. Linn. Soc. London 2 : 329. 1794; Hook. f. Fl. Brit. India 5 : 226. 1886.

A small densely tufted parasitic under-shrub, in sholas at high altitudes.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri.

Korthalsella japonica (Thunb.) Engler var. **coralloides** (Wight) Gamble, Fl. Pres. Madras 1256. 1925 & 2 : 879. 1957 (repr. ed.). *Viscum moniliforme* Wight & Arn. var. *coralloides* Wight, Ic. t. 1019. 1845. *V. japonicum* Thunb. var. *coralloides* (Wight) Hook. f. Fl. Brit. India 5 : 227. 1886.

A parasitic undershrub.

Distrib.: Madurai, Nilgiri.

Macrosolen capitellatus (Wight & Arn.) Danser in Blumea 2 : 36. 1936. *Loranthus capitellatus* Wight & Arn. Prodr. 382. 1834; Hook. f. Fl. Brit. India 5 : 221. 1886. *Elytranthe capitellata* (Wight & Arn.) Engler in Engler & Prantl, Pflanzenf. 3(1) : 189. 1889; Gamble, Fl. Pres. Madras 2 : 879. 1957 (repr. ed.).

A parasitic shrub on various trees.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Macrosolen parasiticus (L.) Danser in Blumea 2 : 36. 1936. *Lonicera parasitica* L. Sp. Pl. 175. 1753. *Loranthus loniceroides* L. Sp. Pl. ed. 2. 1 : 473. 1762; Wight, Ic. t. 203. 1839; Hook. f. Fl. Brit. India 5 : 221. 1886. *Elytranthe loniceroides* (L.) G. Don, Gen. Syst. 3 : 427. 1834; Gamble, Fl. Pres. Madras 2 : 879. 1957 (repr. ed.).

A large parasitic shrub on shola trees.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Scurrula cordifolia (Wall.) G. Don, Gen. Syst. 3 : 421. 1834. *Loranthus cordifolius* Wall. in Roxb. Fl. Ind. 2 : 222. 1824; Hook. f. Fl. Brit. India 5 : 209. 1886; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A large parasitic shrub in hills; flowers conspicuous, orange-tawny in thick fascicles.

Distrib.: Coimbatore (Gamble 1957), Nilgiri, North Arcot, Salem.

Scurrula parasitica L. Sp. Pl. 110. 1753. *Loranthus buddleioides* Desr. in Lam. Encycl. 3 : 600. 1792; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.). *L. scurrula* L. Sp. Pl. ed. 2. 1 : 472. 1762; Roxb. Pl. Cor. t. 140. 1800; Hook. f. Fl. Brit. India 5 : 208. 1886.

A parasitic shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, South Arcot, Tirunelveli.

Taxillus courtallensis (Gamble) Danser in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 2. 29 (6) : 123. 1933. *Loranthus courtallensis* Gamble, Fl. Pres. Madras 1252. 1925 & 2 : 877. 1957 (repr. ed.). *L. bracteatus* Heyne ex Wall. var. *angustifolia* Hook. f. Fl. Brit. India 5 : 213. 1886.

A slender twiggy parasitic shrub.

Distrib.: Madurai, Ramanathapuram, Tirunelveli.

Taxillus cuneatus (Heyne ex Roth) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 354. 1929. *Loranthus cuneatus* Heyne ex Roth, Nov. Pl. Sp. 193. 1821; Hook. f. Fl. Brit. India 5 : 214. 1886; Fyson, Fl. South Indian Hill St. 2 : t. 446. 1932; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.).

A parasitic shrub; bark grey.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Pudukkottai, Tiruchchirappalli, Tirunelveli.

Taxillus heyneanus (Schultes) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 355. 1929. *Loranthus heyneanus* Schultes in Roem. & Schultes, Syst. 7 : 106. 1829. *L. bracteatus* Heyne ex Wall. in Roxb. Fl. Ind. 2 : 220. 1824, non Rich. 1792; Hook. f. Fl. Brit. India 5 : 213. 1886;

Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A small parasitic shrub on deciduous trees.

Distrib.: Coimbatore (FRC), Dharmapuri, Nilgiri, South Arcot, Tiruchchirappalli.

Taxillus recurvus (Wall. ex DC.) Tieghem in Bull. Soc. Bot. France 42 : 256. 1895. *Loranthus recurvus* Wall. ex DC. Prodr. 4 : 299. 1830; Hook. f. Fl. Brit. India 5 : 213. 1886; Gamble, Fl. Pres. Madras 2 : 877. 1957 (repr. ed.). *L. candolleanus* Wight & Arn. Prodr. 385. 1834; Wight, Ic. t. 305. 1840.

A parasitic shrub with smooth grey bark, at high altitudes in sholas and plantations.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri, Tiruchchirappalli (RHT).

Taxillus sclerophyllus (Thw.) Danser in Bull. Jard. Bot. Buitenzorg ser. 3. 10 : 355. 1929. *Loranthus sclerophyllus* Thw. Enum. Pl. Zeyl. 135. 1859; Hook. f. Fl. Brit. India 5 : 214. 1886.

A robust parasitic shrub.

Distrib.: Nilgiri (FRC).

Taxillus tomentosus (Heyne ex Roth) Tieghem in Bull. Soc. Bot. France 42 : 256. 1895. *Loranthus tomentosus* Heyne ex Roth, Nov. Pl. Sp. 191. 1821; Hook. f. Fl. Brit. India 5 : 212. 1886; Fyson, Fl. South Indian Hill St. 2 : t. 444. 1932; Gamble, Fl. Pres. Madras 2 : 876. 1957 (repr. ed.).

A small parasitic shrub in hills; branchlets nearly black.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Viscum angulatum Heyne ex DC. Prodr. 4 : 283. 1830; Hook. f. Fl. Brit.

India 5 : 225. 1886; Gamble, Fl. Pres. Madras 2 : 881. 1957 (repr. ed.).

A leafless slender parasitic shrub, in lower hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram.

Viscum articulatum Burm. f. Fl. Ind. 211. 1768, var. *articulatum*; Hook. f. Fl. Brit. India 5 : 226. 1886 p.p.; Gamble, Fl. Pres. Madras 2 : 881. 1957 (repr. ed.). *V. nepalense* Spreng. Syst. Cur. Post. 4(2) : 47. 1827; Danser in Blumea 4 : 283. 1936.

A parasitic shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli.

Viscum articulatum Burm. f. var. *thelocarpum* (Danser) R. Rao in J. Indian Bot. Soc. 36 : 133. 1957. *V. nepalense* Spreng. var. *thelocarpum* Danser in Blumea 4 : 289. 1941.

A parasitic shrub at high altitudes.

Distrib.: Nilgiri.

Viscum capitellatum J.E. Smith in Rees, Cyclop. 37 : n. 18. 1817; Hook. f. Fl. Brit. India 5 : 225. 1886 p.p.; Gamble, Fl. Pres. Madras 2 : 881. 1957 (repr. ed.) p.p.; R. Rao in J. Indian Bot. Soc. 36 : 166. 1957.

A small parasitic shrub.

Distrib.: Coimbatore (Gamble 1957).

Viscum heyneanum DC. Prodr. 4 : 278. 1830; R. Rao in J. Indian Bot. Soc. 36 : 157. 1957. *V. verruculosum* Wight & Arn. Prodr. 379. 1834; Hook. f. Fl. Brit. India 5 : 224. 1886; Gamble, Fl. Pres. Madras 2 : 881. 1957 (repr. ed.). *V. orbiculatum* Wight, Ic. t. 1016. 1845; Hook. f. Fl. Brit. India 5 : 224. 1886; Gamble, Fl. Pres. Madras 2 : 881. 1957 (repr. ed.). *V. heyneanum* DC.

var. *liocarpum* Danser in *Blumea* 4 : 305. 1941.

A small bushy shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, South Arcot, Tirunelveli.

Viscum monoicum Roxb. ex DC. *Prodr.* 4 : 278. 1830; Hook. f. *Fl. Brit. India* 5 : 224. 1886; Gamble, *Fl. Pres. Madras* 2 : 880. 1957 (repr. ed.).

Tamil: *Pullurivi*.

A parasitic shrub, usually with yellowish berries.

Distrib.: Dharmapuri (HIFP), Madurai (Gamble 1957), Nilgiri, Tirunelveli. E.

Viscum orientale Willd. *Sp. Pl.* 4 : 737. 1805; Hook. f. *Fl. Brit. India* 5 : 224. 1886 p.p.; Gamble, *Fl. Pres. Madras* 2 : 880. 1957 (repr. ed.).

A large parasitic shrub with purple berries.

Distrib.: Almost all districts. E.

Viscum ramosissimum Wight & Arn. *Prodr.* 380. 1834; Hook. f. *Fl. Brit. India* 5 : 225. 1886; Gamble, *Fl. Pres. Madras* 2 : 881. 1957 (repr. ed.).

A slender parasitic shrub.

Distrib.: Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli.

Viscum trilobatum Talbot, *For. Fl. Bombay* 2 : 419. t. 479. 1911. *V. capitellatum* sensu Hook. f. *Fl. Brit. India* 5 : 225. 1886 p.p., non J.E. Smith 1817; Gamble, *Fl. Pres. Madras* 2 : 881. 1957 (repr. ed.) p.p.

A small parasitic shrub.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot (FRC), South Arcot (Gamble 1957), Thanjavur, Tirunelveli.

SANTALACEAE

G.R. KUMARI

Osyris quadripartita Salzm. ex Decne. in *Ann. Sci. Nat. Bot. ser. 2.* 6 : 65. 1836, var. *quadripartita*. *O. wightiana* Wall. ex Wight, *lc. t.* 1853. 1852. *O. arborea* Wall. ex A. DC. in DC. *Prodr.* 14 : 633. 1857; Hook. f. *Fl. Brit. India* 5 : 232. 1886; Gamble, *Fl. Pres. Madras* 2 : 883. 1957 (repr. ed.).

An evergreen shrub.

Distrib.: In most of the districts. E.

Osyris quadripartita Salzm. ex Decne. var. *puberula* (Hook. f.) Kumari in *Biol. Mem.* 2 (1 & 2): 126. 1977. *O. arborea* Wall. ex A. DC. var. *puberula* Hook. f. *Fl. Brit. India* 5 : 232. 1886.

A small shrub.

Distrib.: Coimbatore, Madurai, Nilgiri.

Santalum album L. *Sp. Pl.* 349. 1753; *Bedd. Fl. Sylv.* t. 256. 1872; Hook. f. *Fl. Brit. India* 5 : 231. 1886; Gamble, *Fl. Pres. Madras* 2 : 883. 1957 (repr. ed.).

Tamil: *Sandanam*, *Selegam*, *Srigandam*.

A small evergreen, usually a semi-parasitic tree in open scrub forests; also cultivated. The Sandal Tree. E.

Scleropyrum pentandrum (Dennst.) Mabblerley in *Taxon* 26 : 533. 1977. *Pothos pentandrus* Dennst. *Schluess. Hort. Ind. Malab.* 16, 24, 33. 1818. *Scleropyrum wallichianum* (Wight & Arn.) Arn. in *Mag. Zool. Bot.* 2 : 550. 1838; Wight, *lc. t.* 241. 1839; Hook. f. *Fl. Brit. India* 5 : 234. 1886; Gamble, *Fl. Pres. Madras* 2 : 884. 1957 (repr. ed.). *Sphaerocarya wallichiana* Wight & Arn. in *Edinburgh New Philos. J.* 15 : 180. 1833.

A small tree in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

Thesium wightianum Wall. ex Wight, Ic. t. 1852. 1852; Hook. f. Fl. Brit. India 5 : 230. 1886; Gamble, Fl. Pres. Madras 2 : 882. 1957 (repr. ed.).

A slender herb with straggling branches among grasses.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

BALANOPHORACEAE

G.R. KUMARI

Balanophora fungosa J.R. & G. Forst. subsp. *indica* (Arn.) Hansen in Dansk Bot. Ark. 28 : 100. ff. 20 & 21. 1972, var. *indica*. *Langsdorffia indica* Arn. in Ann. Nat. Hist. 2 : 37. 1838. *Balanophora indica* (Arn.) Wall. ex Griff. in Trans. Linn. Soc. London 20 : 95. 1846; Hook. f. Fl. Brit. India 5 : 237. 1886; Gamble, Fl. Pres. Madras 2 : 885. 1957 (repr. ed.).

A thick, rather common parasitic herb.

Distrib.: Coimbatore, Madurai (Hansen 1972), Nilgiri, Salem, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Balanophora fungosa J.R. & G. Forst. subsp. *indica* (Arn.) Hansen var. *minor* (Eichl.) Hansen in Dansk Bot. Ark. 28 : 106. 1972. *B. indica* (Arn.) Wall. ex Griff. var. *minor* Eichl. in DC. Prodr. 17 : 145. 1873.

A parasitic herb.

Distrib.: Chengalpattu and Nilgiri (Hansen 1972).

EUPHORBIACEAE

M. CHANDRABOSE

Acalypha alnifolia Klein ex Willd. Sp. Pl. 4 : 525. 1805; Hook. f. Fl. Brit. India 5 : 415. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

An undershrub.

Distrib.: Almost all districts.

Acalypha brachystachya Hornem. Hort. Hafn. 1. 1807; Hook. f. Fl. Brit. India 5 : 416. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

A slender herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli.

Acalypha ciliata Forssk. Fl. Aeg.-Arab. 162. 1775; Hook. f. Fl. Brit. India 5 : 417. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

An erect herb.

Distrib.: All districts.

Acalypha fruticosa Forssk. Fl. Aeg.-Arab. 161. 1775; Hook. f. Fl. Brit. India 5 : 415. 1887; Gamble, Fl. Pres. Madras 2 : 931. 1957 (repr. ed.).

Tamil: *Sinni*.

An undershrub.

Distrib.: All districts. E.

Acalypha hispida Burm. f. Fl. Ind. 303. t. 61. f. 1. 1768; Hook. f. Fl. Brit. India 5 : 417. 1887.

An ornamental shrub, cultivated. E.

Acalypha indica L. Sp. Pl. 1003. 1753; Wight, Ic. t. 877. 1844-1845; Hook. f. Fl. Brit. India 5 : 416. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

Tamil: *Kuppaimeni*.

An erect herb.

Distrib.: All districts. E.

Acalypha lanceolata Willd. Sp. Pl. 4 : 524. 1805; Gamble, Fl. Pres. Madras 2 : 931. 1957 (repr. ed.). *A. fallax* Muell.-Arg. in Linnaea 34 : 43. 1865-1866; Hook. f. Fl. Brit. India 5 : 416. 1887.

An erect herb.

Distrib.: Almost all districts.

Acalypha malabarica Muell.-Arg. in Linnæa 34 : 42. 1865-1866; Hook. f. Fl. Brit. India 5 : 416. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore. R.

Acalypha racemosa Heyne ex Baill. Etud. Gen. Euphorb. 443. 1858. *A. paniculata* Miq. Fl. Ned. Ind. 1 (2) : 406. 1859; Hook. f. Fl. Brit. India 5 : 415. 1887; Gamble, Fl. Pres. Madras 2 : 930. 1957 (repr. ed.).

A small undershrub.

Distrib.: All districts. E.

Acalypha wilkesiana Muell.-Arg. in DC. Prodr. 15 (2) : 817. 1866, var. *wilkesiana*; Gamble, Fl. Pres. Madras 2 : 931. 1957 (repr. ed.).

An erect ornamental shrub, cultivated. E.

Acalypha wilkesiana Muell.-Arg. var. *obovata* Bailey, Encycl. Hort. 1 : 191. 1958 (repr. ed.).

An erect ornamental shrub, cultivated. E.

Actephila excelsa (Dalz.) Muell.-Arg. in Linnæa 32 : 78. 1863; Hook. f. Fl. Brit. India 5 : 282. 1887; Gamble, Fl. Pres. Madras 2 : 898. 1957 (repr. ed.). *Anomospermum excelsum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 228. 1851. *Actephila neilgherrensis* Wight, Ic. t. 1910. 1852.

A small tree, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Agrostistachys borneensis Becc. Nelle For. Borneo 331. 1902; Matthew & Rani in Matthew, Fl. Tamilnadu Carnatic 3 : 1409. 1983. *A. longifolia* (Wight) Benth. ex Hook. f. Fl. Brit. India 5 : 407.

1887 p.p. *Sarcoclinium longifolium* Wight, Ic. tt. 1887 & 1888. 1852 p.p. *Agrostistachys meeboldii* Pax & Hoffm. in Engler, Pflanzenr. 57 : 100. 1912; Gamble, Fl. Pres. Madras 2 : 922. 1957 (repr. ed.).

A small tree in hills.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli, Tirunelveli.

Agrostistachys indica Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 41. 1850; Bedd. Ic. t. 241. 1868-1874; Hook. f. Fl. Brit. India 5 : 406. 1887; Gamble, Fl. Pres. Madras 2 : 921. 1957 (repr. ed.).

A shrub or small tree, in evergreen forests.

Distrib.: Almost all districts.

Aleurites moluccana (L.) Willd. Sp. Pl. 4 : 590. 1805; Bedd. Fl. Sylv. t. 276. 1872; Hook. f. Fl. Brit. India 5 : 384. 1887; Gamble, Fl. Pres. Madras 2 : 922. 1957 (repr. ed.). *Jatropha moluccana* L. Sp. Pl. 1006. 1753.

Tamil: *Nattakkarottu*.

A handsome tree, often planted. E.

Aporosa acuminata Thw. Enum. Pl. Zeyl. 288. 1861; Hook. f. Fl. Brit. India 5 : 348. 1887; Gamble, Fl. Pres. Madras 2 : 916. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari.

Aporosa fusiformis Thw. Enum. Pl. Zeyl. 288. 1861; Hook. f. Fl. Brit. India 5 : 351. 1887; Gamble, Fl. Pres. Madras 2 : 916. 1957 (repr. ed.); Mandal & Panigrahi in Bull. Bot. Surv. India 26 : 42. 1984 (1985).

A small tree with coriaceous leaves.

Distrib.: Tamilnadu (Gamble 1957, Mandal and Panigrahi 1985).

Aporosa lindleyana (Wight) Baill. Etud. Gen. Euphorb. 645. 1858; Hook. f. Fl.

Brit. India 5 : 349. 1887; Gamble, Fl. Pres. Madras 2 : 916. 1957 (repr. ed.). *Scepa lindleyana* Wight, Ic. t. 361. 1840.

Tamil: *Vittil*.

A small tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri. E.

Baccaurea courtallensis (Wight) Muell.-Arg. in DC. Prodr. 14 (2) : 459. 1857; Hook. f. Fl. Brit. India 5 : 367. 1887; Gamble, Fl. Pres. Madras 2 : 916. 1957 (repr. ed.). *Pierardia courtallensis* Wight, Ic. 5 (2) : 30. t. 1912. 1852 (Plate erroneously named as *P. macrostachys*).

An evergreen tree.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Baliospermum montanum (Willd.) Muell.-Arg. in DC. Prodr. 15 (2) : 1125. 1866; Gamble, Fl. Pres. Madras 2 : 939. 1957 (repr. ed.). *Jatropha montana* Willd. Sp. Pl. 4 : 563. 1805. *Baliospermum axillare* Blume, Bijdr. 604. 1826; Hook. f. Fl. Brit. India 5 : 461. 1887. *B. polyandrum* Wight, Ic. t. 1885. 1852.

A stout undershrub, in shady places at lower elevations.

Distrib.: Coimbatore (Fischer 1921); "Deccan" (Gamble 1957).

Blachia calycina Benth. in J. Linn. Soc. Bot. 17 : 226. 1880; Hook. f. Fl. Brit. India 5 : 402. 1887; Gamble, Fl. Pres. Madras 2 : 936. 1957 (repr. ed.). *Croton umbellatus sensu* Wight, Ic. t. 1874. 1852, non Willd. 1805.

A shrub in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli.

Blachia reflexa Benth. in J. Linn. Soc. Bot. 17 : 226. 1880; Hook. f. Fl. Brit. India 5 : 402. 1887; Gamble, Fl. Pres. Madras 2 : 936. 1957 (repr. ed.).

A shrub in evergreen forests.

Distrib.: Kanniyakumari. Madurai, Nilgiri.

Blachia umbellata (Willd.) Baill. Etud. Gen. Euphorb. 387. t. 19. ff. 18-20. 1858; Hook. f. Fl. Brit. India 5 : 402. 1887; Gamble, Fl. Pres. Madras 2 : 936. 1957 (repr. ed.). *Croton umbellatus* Willd. Sp. Pl. 4 : 545. 1805.

A shrub in evergreen forests.

Distrib.: Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Breynia retusa (Dennst.) Alston in Ann. Roy. Bot. Gard. (Peradeniya) 11 : 204. 1929. *Phyllanthus retusus* Dennst. Schluss. Hort. Ind. Malab. 24. 1818. *Breynia patens* (Roxb.) Rolfe in J. Bot. 11 : 359. 1882; Hook. f. Fl. Brit. India 5 : 329. 1887; Gamble, Fl. Pres. Madras 2 : 912. 1957 (repr. ed.). *Phyllanthus patens* Roxb. Fl. Ind. 3 : 667. 1832. *Melanthesa turbinata* Wight, Ic. t. 1897. 1852.

A spreading shrub in low hills.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, Salem, South Arcot, Tiruchirappalli, Tirunelveli. E.

Breynia vitis-idaea (Burm. f.) Fischer in Kew Bull. 1932 : 65. 1932. *Rhamnus vitis-idaea* Burm. f. Fl. Ind. 61. 1768. *Breynia rhamnoides* (Retz.) Muell.-Arg. in DC. Prodr. 15 (2) : 440. 1866; Hook. f. Fl. Brit. India 5 : 330. 1887; Gamble, Fl. Pres. Madras 2 : 912. 1957 (repr. ed.). *Phyllanthus rhamnoides* Retz. Obs. Bot. 5 : 30. 1788. *Melanthesa rhamnoides* (Retz.) Blume, Bijdr. 591. 1826; Wight, Ic. t. 1898. 1852.

Tamil: *Kattuniruri*.

A large shrub, in deciduous forests.

Distrib.: All districts. E.

Bridella cinerascens Gehrm. in Bot. Jahrb. Syst. 41. Beibl. 95 : 30. 1908;

Gamble, Fl. Pres. Madras 2 : 896. 1957 (repr. ed.). *B. retusa* (L.) Spreng. var. *glauca* Hook. f. Fl. Brit. India 5 : 268. 1887.

A moderate-sized tree in hills.

Distrib.: Chengalpattu, Coimbatore.

Bridelia crenulata Roxb. Fl. Ind. 3 : 734. 1832. *B. roxburghiana* (Muell.-Arg.) Gehrm. in Bot. Jahrb. Syst. 41. Beibl. 95 : 30. 1908; Gamble, Fl. Pres. Madras 2 : 896. 1957 (repr. ed.). *B. retusa* (L.) Spreng. var. *roxburghiana* Muell.-Arg. in DC. Prodr. 15 (2) : 493. 1866; Hook. f. Fl. Brit. India 5 : 268. 1887.

Tamil: *Mulvaengai*.

A large tree in hilly tracts.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli; Dharmapuri, South Arcot and Tiruchchirappalli (Matthew 1981).

Bridelia retusa (L.) Spreng. Syst. Veg. 3 : 48. 1826; Bedd. Fl. Sylv. t. 260. 1872; Hook. f. Fl. Brit. India 5 : 268. 1887 p.p.; Gamble, Fl. Pres. Madras 2 : 896. 1957 (repr. ed.). *Clusia retusa* L. Sp. Pl. 1042. 1753, "*Chytia*".

Tamil: *Mullumarathu*, *Mullu-vengai*.

A small or moderate-sized tree in hills.

Distrib.: Almost all districts. E.

Bridelia scandens (Roxb.) Willd. Sp. Pl. 4 : 979. 1805; Gamble, Fl. Pres. Madras 2 : 896. 1957 (repr. ed.). *Cluytia scandens* Roxb. Pl. Cor. t. 173. 1802. *Bridelia stipularis* sensu Hook. f. Fl. Brit. India 5 : 270. 1887, non Blume 1825.

A large climbing shrub in low hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Chrozophora prostrata Dalz. in Dalz. & Gibs. Bombay Fl. 233. 1861, var.

prostrata; Gamble, Fl. Pres. Madras 2 : 921. 1957 (repr. ed.). *C. plicata* form 3. Hook. f. Fl. Brit. India 5 : 410. 1887.

A prostrate herb.

Distrib.: South Arcot; "Carnatic" (Gamble 1957); Chengalpattu and Salem (Balakr. 1976). E.

Chrozophora prostrata Dalz. var. *parvifolia* (Klotzsch ex Schweinf.) Balakr. in Bull. Bot. Surv. India 15 : 7. 1973 (1976). *C. parvifolia* Klotzsch ex Schweinf. Pl. Quaed. Nilot. 11. 1862; Gamble, Fl. Pres. Madras 2 : 921. 1957 (repr. ed.). *C. plicata* form 2. Hook. f. Fl. Brit. India 5 : 410. 1887.

A prostrate herb.

Distrib.: "near Madras" (Gamble 1957).

Chrozophora rottleri (Geiseler) Juss. Euphorb. Gen. Tent. 28. 1824; Gamble, Fl. Pres. Madras 2 : 921. 1957 (repr. ed.). *Croton rottleri* Geiseler, Croton. Monog. 57. 1807. *Chrozophora plicata* form 1. Hook. f. Fl. Brit. India 5 : 409. 1887.

An erect herb or undershrub.

Distrib.: Almost all districts. E.

Chrozophora tinctoria Juss. Euphorb. Gen. Tent. 28. t. 7. f. 25. 1824; Hook. f. Fl. Brit. India 5 : 408. 1887.

A prostrate herb.

Distrib.: Chengalpattu. E.

Claoxylon anomalum Hook. f. Fl. Brit. India 5 : 412. 1887; Gamble, Fl. Pres. Madras 2 : 928. 1957 (repr. ed.).

A shrub in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957).

Cleidion spiciflorum (Burm. f.) Merr. Interpr. Rumph. Amboin. 322, in nota 1917. *Acalypha spiciflora* Burm. f. Fl. Ind. 203. t. 61. f. 2. 1768. *Cleidion javanicum* Blume, Bijdr. 613. 1826; Bedd. Fl.

Sylv. t. 272. 1872; Hook. f. Fl. Brit. India 5 : 444. 1887; Gamble, Fl. Pres. Madras 2 : 927. 1957 (repr. ed.).

A moderate-sized evergreen tree.

Distrib.: Chengalpattu, Coimbatore, Madurai, Ramanathapuram; "W. Ghats, in all Districts" (Gamble 1957).

Cleistanthus collinus (Roxb.) Benth. ex Hook. f. Fl. Brit. India 5 : 274. 1887; Gamble, Fl. Pres. Madras 2 : 897. 1957 (repr. ed.). *Clutia collina* Roxb. Pl. Cor. t. 169. 1802, "*Chuytia*".

Tamil: *Wodayu, Nilappalai*.

A small deciduous tree.

Distrib.: Almost all districts. E.

Cleistanthus patulus (Roxb.) Muell.-Arg. in DC. Prodr. 15(2) : 505. 1866; Hook. f. Fl. Brit. India 5 : 279. 1887; Gamble, Fl. Pres. Madras 2 : 897. 1957 (repr. ed.). *Clutia patula* Roxb. Pl. Cor. t. 170. 1802, "*Chuytia*". *Amanoa indica* Wight, Ic. t. 1911. 1852.

A small tree.

Distrib.: Chengalpattu, Tirunelveli.

Cleistanthus travancorensis Jablonszky in Engler, Pflanzenr. 65 : 21. 1915; Gamble, Fl. Pres. Madras 2 : 898. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Tirunelveli.

Codiaeum variegatum (L.) Juss. Euphorb. Gen. Tent. 80 : 111. 1824, var. *variegatum*; Hook. f. Fl. Brit. India 5 : 399. 1887; Gamble, Fl. Pres. Madras 2 : 942. 1957 (repr. ed.). *Croton variegatus* L. Sp. Pl. ed. 3. 1424. 1764.

An erect ornamental shrub, cultivated. E.

Codiaeum variegatum (L.) Juss. var. *pictum* (Lodd.) Muell. Arg. forma

platyphyllum Pax & Hoffm. in Engler, Pflanzenr. 47 : 24. 1911.

An erect ornamental shrub, cultivated. E.

Codiaeum variegatum (L.) Juss. var. *pictum* (Lodd.) Muell. Arg. forma *taeniosum* Muell.-Arg. in DC. Prodr. 15(2) : 1120. 1866.

An erect ornamental shrub, cultivated. E.

Coelodepas calycinum Bedd. Fl. Sylv. t. 320. 1873; Hook. f. Fl. Brit. India 5 : 419. 1887; Gamble, Fl. Pres. Madras 2 : 926. 1957 (repr. ed.).

Tamil: *Kattupira*.

A small tree in hills.

Distrib.: Kanniyakumari, Tirunelveli.

Croton bonplandianum Baill. in Adanson 4 : 339. 1864. *C. spursiflorus* Morong. in Ann. New York Acad. Sci. 7 : 221. 1893; Gamble, Fl. Pres. Madras 2 : 920. 1957 (repr. ed.).

Tamil: *Reilpoondu*.

An erect herb.

Distrib.: All districts.

Croton caudatus Geiseler, Croton Monog. 73. 1807, var. *caudatus*; Hook. f. Fl. Brit. India 5 : 388. 1887; Gamble, Fl. Pres. Madras 2 : 920. 1957 (repr. ed.).

A subscaudent shrub in hills.

Distrib.: Coimbatore, Madurai, Tirunelveli. E.

Croton caudatus Geiseler var. *obovoideus* Balakr. & Chakrab. in Bull. Bot. Surv. India 25 : 190. 1983 (1985).

A scandent or subscaudent shrub; young parts with stellate tomentum.

Distrib.: Coimbatore, Tirunelveli (Balakr. & Chakrab. 1985).

Croton klotzschianus (Wight) Thw. Enum. Pl. Zeyl. 276. 1861; Hook. f. Fl. Brit. India 5 : 392. 1887; Gamble, Fl. Pres. Madras 2 : 920. 1957 (repr. ed.). *Tigium klotzschianum* Wight, Ic. t. 1914. 1852.

A shrub or small tree.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Tirunelveli.

Croton laccifer L. Sp. Pl. 1005. 1753, "lacciferum"; Wight, Ic. t. 1915. 1852; Gamble, Fl. Pres. Madras 2 : 920. 1957 (repr. ed.). *C. aromaticus* sensu Hook. f. Fl. Brit. India 5 : 338. 1887 p.p., non L. 1753.

A shrub in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli. E.

Croton malabaricus Bedd. Ic. t. 181. 1868-1874; Hook. f. Fl. Brit. India 5 : 386. 1887; Gamble, Fl. Pres. Madras 2 : 919. 1957 (repr. ed.).

Tamil: *Thavatta polavu*.

A medium-sized tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli. E.

Croton oblongifolius Roxb. Fl. Ind. 3 : 685. 1832; Hook. f. Fl. Brit. India 5 : 386. 1887; Gamble, Fl. Pres. Madras 2 : 919. 1957 (repr. ed.).

Tamil: *Millakumari*.

A small deciduous tree.

Distrib.: Chengalpattu, Nilgiri; "Deccan" (Gamble 1957).

Croton tiglium L. Sp. Pl. 1004. 1753; Hook. f. Fl. Brit. India 5 : 393. 1887; Gamble, Fl. Pres. Madras 2 : 920. 1957 (repr. ed.).

Tamil: *Nervalam*.

A small tree, often cultivated. E.

Croton zeylanicus Muell.-Arg. in Linnaea 34 : 107. 1865 & in DC. Prodr. 15(2) : 581. 1866. *C. reticulatus* Heyne ex Muell.-Arg. in DC. Prodr. 15(2) : 580. 1866; Hook. f. Fl. Brit. India 5 : 386. 1887; Gamble, Fl. Pres. Madras 2 : 919. 1957 (repr. ed.).

A small tree, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli; "W. Ghats, S. Canara to the Anamalais" (Gamble 1957). E.

Dalechampia indica Wight, Ic. t. 1882. 1852; Hook. f. Fl. Brit. India 5 : 467. 1888; Gamble, Fl. Pres. Madras 2 : 934. 1957 (repr. ed.).

A slender twining undershrub, in hilly tracts.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli.

Dalechampia velutina Wight, Ic. t. 1881. 1852; Hook. f. Fl. Brit. India 5 : 467. 1888; Gamble, Fl. Pres. Madras 2 : 934. 1957 (repr. ed.).

A slender twining undershrub in hills.

Distrib.: Coimbatore, Nilgiri, Salem, Tiruchchirappalli (Matthew 1981).

Dimorphocalyx beddomei (Benth.) Airy Shaw in Kew Bull. 23 : 124. 1969. *Tritaxis beddomei* Benth. in J. Linn. Soc. Bot. 17 : 221. 1878; Hook. f. Fl. Brit. India 5 : 384. 1887; Gamble, Fl. Pres. Madras 2 : 938. 1957 (repr. ed.). *Trigonostemon beddomei* (Benth.) Balakr. in Bull. Bot. Surv. India 10 : 245. 1968 (1969).

A small tree in hills.

Distrib.: Tirunelveli. R.

Dimorphocalyx glabellus Thw. Enum. Pl. Zeyl. 278. 1861; Hook. f. Fl. Brit.

India 5 : 403. 1887; Gamble, Fl. Pres. Madras 2 : 935. 1957 (repr. ed.).

A small tree in hills.

Distrib.: Coimbatore, Tirunelveli.

Dimorphocalyx lawianus (Muell.-Arg.) Hook. f. Fl. Brit. India 5 : 404. 1887; Gamble, Fl. Pres. Madras 2 : 935. 1957 (repr. ed.). *Trigonostemon lawianus* Muell.-Arg. in Linnaea 34 : 212. 1865 p.p.

A small tree, in evergreen forests.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli; "W. Ghats, in all districts, western side" (Gamble 1957).

Drypetes elata (Bedd.) Pax & Hoffm. in Engler, Pflanzenr. 81 : 268. 1922. *Hemicyclia elata* Bedd. Fl. Sylv. t. 279. 1872; Hook. f. Fl. Brit. India 5 : 339. 1887; Gamble, Fl. Pres. Madras 2 : 909. 1957 (repr. ed.).

A lofty tree in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Drypetes longifolia (Blume) Pax & Hoffm. in Engler, Pflanzenr. 81 : 245. 1922. *Cyclostemon longifolius* Blume, Bijdr. 598. 1826. *C. macrophyllus* Blume, Bijdr. 598. 1826; Bedd. Fl. Sylv. t. 278. 1872; Hook. f. Fl. Brit. India 5 : 340. 1887; Gamble, Fl. Pres. Madras 2 : 911. 1957 (repr. ed.). *Drypetes oblongifolia* (Bedd.) Airy Shaw in Kew Bull. 23 : 57. 1969. *Laneassagum oblongifolium* Bedd. in Madras J. Lit. Sci. n.s. 6 : 71. 1861.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Salem, Tirunelveli.

Drypetes malabarica (Bedd.) Airy Shaw in Kew Bull. 23 : 56. 1969. *Cyclostemon malabaricus* Bedd. For. Man. Bot. 199. 1873; Hook. f. Fl. Brit. India 5 : 341.

1887; Gamble, Fl. Pres. Madras 2 : 911. 1957 (repr. ed.).

A medium-sized tree, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Tirunelveli.

Drypetes porteri (Gamble) Pax & Hoffm. in Engler, Pflanzenr. 81 : 268. 1922. *Hemicyclia porteri* Gamble in Hooker's Icon. Pl. t. 2701. 1905 & Fl. Pres. Madras 2 : 910. 1957 (repr. ed.).

A small evergreen tree.

Distrib.: Madurai (Gamble 1957).

Drypetes roxburghii (Wall.) Hurusawa in J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 6 : 337. 1954. *Putranjiva roxburghii* Wall. Tent. Fl. Nap. 61. 1826; Wight, Ic. t. 1876. 1852; Hook. f. Fl. Brit. India 5 : 336. 1887; Gamble, Fl. Pres. Madras 2 : 917. 1957 (repr. ed.).

Tamil: *Karupala*.

A moderate-sized evergreen tree.

Distrib.: Coimbatore, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli; Dharmapuri and South Arcot (Matthew 1981). E.

Drypetes sepiaria (Wight & Arn.) Pax & Hoffm. in Engler, Pflanzenr. 81 : 271. 1922. *Hemicyclia sepiaria* Wight & Arn. in Edinburgh New Philos. J. 14 : 297. 1833; Wight, Ic. t. 1872. 1852; Hook. f. Fl. Brit. India 5 : 337. 1887; Gamble, Fl. Pres. Madras 2 : 909. 1957 (repr. ed.).

Tamil: *Virai*.

A small tree.

Distrib.: Almost all districts.

Drypetes venusta (Wight) Pax & Hoffm. in Engler, Pflanzenr. 81 : 268. 1922. *Astylis venusta* Wight, Ic. t. 1992. 1853. *Hemicyclia venusta* (Wight) Thw. in Hooker's J. Bot. Kew Gard. Misc.

7 : 272. 1855; Hook. f. Fl. Brit. India 5 : 339. 1887; Gamble, Fl. Pres. Madras 2 : 909. 1957 (repr. ed.).

A small tree in hills.

Distrib.: Coimbatore (FRC), Nilgiri.

Drypetes wightii (Hook. f.) Pax & Hoffm. in Engler, Pflanzenr. 81 : 273. 1922. *Hemicyclia wightii* Hook. f. Fl. Brit. India 5 : 339. 1887; Gamble, Fl. Pres. Madras 2 : 909. 1957 (repr. ed.).

A small tree in evergreen forests.

Distrib.: Coimbatore.

Epiprinus mallotiformis (Muell.-Arg.) Croizat in J. Arnold Arbor. 23 : 53. 1942. *Symphyllia mallotiformis* Muell.-Arg. in Linnaea 34 : 156. 1865; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.). *Adenochlaena indica* (Bedd.) Bedd. ex Hook. f. Fl. Brit. India 5 : 418. 1887. *Cephalocroton indicum* Bedd. Fl. Sylv. t. 261. 1872.

Tamil: *Karinjikkada*.

A tree in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Euphorbia agowensis Hochst. ex Boiss. in DC. Prodr. 15(2) : 70. 1862; Kumari & Subba Rao in Bull. Bot. Surv. India 15 : 120. 1973 (1976).

An erect herb, especially on rocky slopes.

Distrib.: Nilgiri.

Euphorbia antiquorum L. Sp. Pl. 450. 1753; Wight, Ic. t. 897. 1844-1845; Hook. f. Fl. Brit. India 5 : 255. 1887; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.).

Tamil: *Sadura-kalli*.

A small tree, in plains and low hills.

Distrib.: All districts. E.

Euphorbia barnhartii Croizat, Euphorb. Antiq. 54. 1934. *E. trigona* Roxb. Fl. Ind. 2 : 256. 1832, non Haw. 1812; Wight, Ic. t. 1863. 1852; Hook. f. Fl. Brit. India 5 : 256. 1887 p.p.; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

A small tree in dry localities.

Distrib.: Coimbatore, Dharmapuri, Salem.

Euphorbia chamaesyce L. Sp. Pl. 455. 1753; Rechinger & Schiman-Czeika in Rechinger, Fl. Iranica 6 : 17. 1964. *E. prostrata* Ait. Hort. Kew. ed. 1. 2 : 139. 1789; Hook. f. Fl. Brit. India 5 : 266. 1887, in adnot.; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Kanniyakumari, Ramanathapuram, Tiruchchirappalli, (RHT), Tirunelveli.

Euphorbia corrigioloides Boiss. Cent. Euphorb. 11. 1860 & in DC. Prodr. 15(2) : 32. 1862; Hook. f. Fl. Brit. India 5 : 251. 1887; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.).

A herb with a stout rootstock.

Distrib.: Chengalpattu, Coimbatore (Sebastine 1959), Pudukkottai (RHT), Ramanathapuram, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli; Dharmapuri and South Arcot (Matthew 1981).

Euphorbia coudercii Gagnep. in Bull. Soc. Bot. France 48 : 299. 1921; R. Smith in Kew Bull. 26 : 263. 1972.

A perennial herb.

Distrib.: "S. India" (R. Smith 1972).

Euphorbia cristata Heyne ex Roth, Nov. Pl. Sp. 226. 1821; Hook. f. Fl. Brit. India 5 : 247. 1887; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.). *Chamaesyce*

cristata (Heyne ex Roth) Webster in J. Arnold Arbor. 48 : 424. 1967.

An annual, prostrate or ascending herb.

Distrib.: Chengalpattu (Mayuranathan 1929).

Euphorbia cyathophora Murr. in Commentat. Soc. Regiae Sci. Gott. 7 : 81. 1786; Rani in Matthew, Fl. Tamilnadu Carnatic 3 : 1430. 1983. *E. heterophylla* sensu Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.), non L. 1753.

An erect ornamental herb, cultivated. E.

Euphorbia dracunculoides Lam. Encycl. 2 : 428. 1788; Hook. f. Fl. Brit. India 5 : 262. 1887; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.).

An erect glaucous herb, on dry wastelands and cultivated ground in plains.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore (Fischer 1921).

Euphorbia geniculata Orteg. Nov. Rar. Pl. Matr. 18. 1797; Fischer in Gamble, Fl. Pres. Madras 3 : 1303. 1957 (repr. ed.). *E. prunifolia* Jacq. Hort. Schoenbr. 3 : 15. t. 277. 1798; Hook. f. Fl. Brit. India 5 : 266. 1887, in adnot.

An erect herb.

Distrib.: All districts.

Euphorbia helioscopia L. Sp. Pl. 459. 1753; Hook. f. Fl. Brit. India 5 : 262. 1887; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.).

An erect herb.

Distrib.: Nilgiri.

Euphorbia heyneana Spreng. Syst. Veg. 3 : 791. 1826, subsp. *heyneana*. *E. microphylla* Heyne ex Roth, Nov. Pl. Sp. 229. 1821, non Lam. 1788; Hook. f. Fl. Brit. India 5 : 252. 1887; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

A small prostrate herb.

Distrib.: Chengalpattu, Coimbatore, Madurai, Ramanathapuram, Salem, Thanjavur. E.

Euphorbia heyneana Spreng. subsp. *nilagirica* (Miq.) Panigrahi in Kew Bull. 29 : 697. 1974. *E. nilagirica* Miq. Analect. Bot. 3 : 17. 1850. *E. microphylla* Heyne ex Roth var. *nilagirica* (Miq.) Gamble, Fl. Pres. Madras 1276. 1927 & 2 : 893. 1957 (repr. ed.).

A prostrate herb in hills.

Distrib.: Nilgiri (Gamble 1957). R.

Euphorbia hirta L. Sp. Pl. 454. 1753; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.). *E. pilulifera* sensu Hook. f. Fl. Brit. India 5 : 250. 1887, non L. 1753.

Tamil: *Amampatchaiarisi*.

A prostrate or ascending herb in plains and hills.

Distrib.: All districts. E.

Euphorbia indica Lam. Encycl. 2 : 423. 1786; Raju & P. N. Rao in Indian J. Bot. 2 : 205. 1979. *E. hypericifolia* auct. non L. 1753; Hook. f. Fl. Brit. India 5 : 249. 1887; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.).

An erect or decumbent herb.

Distrib.: All districts. E.

Euphorbia laciniata Panigrahi in Kew Bull. 30 : 531. 1975. *E. fimbriata* Heyne ex Roth, Nov. Pl. Sp. 227. 1821, non Scop. 1788; Gamble, Fl. Pres. Madras 2 : 891. 1957 (repr. ed.). *E. cristata* sensu Hook. f. Fl. Brit. India 5 : 247. 1887 p.p. quoad syn., non Heyne ex Roth 1821; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.).

A dwarf undershrub.

Distrib.: Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981), Tirunelveli (Gamble 1957).

Euphorbia ligularia Roxb. Fl. Ind. 2 : 465. 1832; Smith in Kew Bull. 36 : 296. 1981. *E. neriifolia* auct. non L. 1753; Hook. f. Fl. Brit. India 5 : 255. 1887; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

Tamil: *Itai-kalli*.

A small tree with whorled branches.

Distrib.: Coimbatore, South Arcot. E.

Euphorbia mayuranathanii Croizat in Hooker's Icon. Pl. t. 3404. 1940.

Distrib.: Chengalpattu.

Euphorbia milii Des Moul. in Bull. Hist. Nat. Soc. Linn. Bordeaux 1 : 27. t. 1. 1826. *E. splendens* Boj. ex Hook. in Bot. Mag. t. 2902. 1829; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.).

An ornamental undershrub, cultivated. E.

Euphorbia nivulia Buch.-Ham. in Trans. Linn. Soc. London 14 : 286. 1825; Wight, Ic. t. 1862. 1852; Hook. f. Fl. Brit. India 5 : 255. 1887; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

Tamil: *Kalli, Naga-kalli*.

A small tree in dry hills.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Dharmapuri, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Euphorbia pulcherrima Willd. ex Klotzsch in Otto & Dietr. Allg. Gartenz. 2 : 27. 1834; Hook. f. Fl. Brit. India 5 : 239. 1886; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.). *Poinsettia pulcherrima* Graham in Edinburgh New Philos. J. 20 : 412. 1836; Hook. f. Fl. Brit. India 5 : 239. 1887.

An erect undershrub, cultivated.

Euphorbia pycnostegia Boiss. var. *zoruioides* (Boiss.) Sant. in Bull. Bot. Soc.

Bengal 8 : 31. 1955. *E. zoruioides* Boiss. in DC. Prodr. 15(2) : 19. 1862; Hook. f. Fl. Brit. India 5 : 246. 1887; Gamble, Fl. Pres. Madras 2 : 891. 1957 (repr. ed.).

A slender herb.

Distrib.: Chengalpattu (PCM), Coimbatore (Gamble 1957).

Euphorbia rosea Retz. Obs. Bot. 4 : 26. 1786; Hook. f. Fl. Brit. India 5 : 251. 1887; Gamble, Fl. Pres. Madras 2 : 892. 1957 (repr. ed.). *Chamaesyce rosea* (Retz.) Webster in J. Arnold Arbor. 48 : 423. 1967.

A prostrate herb.

Distrib.: Almost all districts.

Euphorbia rothiana Spreng. Syst. Veg. 3 : 796. 1826; Wight, Ic. t. 1864. 1852; Hook. f. Fl. Brit. India 5 : 263. 1887; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.). *E. laeta* Heyne ex Roth, Nov. Pl. Sp. 230. 1821, non Ait. 1789; Raju in J. Econ. Tax. Bot. 6 : 413. 1985.

An erect glaucous herb in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Euphorbia santapau Henry in Bull. Bot. Surv. India 6 : 329. 1964 (1965).

A small tree in hills at high altitudes.

Distrib.: Tirunelveli. O.

Euphorbia serpens H.B.K. Nov. Gen. Sp. 2 : 52. 1817; Mitra in J. Bombay Nat. Hist. Soc. 68 : 854. 1971. *E. microphylla* auct. non Heyne ex Roth 1821; Hook. f. Fl. Brit. India 5 : 252. 1887 p. p. *E. orbiculata* H.B.K. var. *jawaharii* Rajagopal & Panigrahi in Taxon 17 : 547. 1968.

A small prostrate herb.

Distrib.: Chengalpattu, Ramanathapuram; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Euphorbia thymifolia L. Sp. Pl. 454. 1753; Hook. f. Fl. Brit. India 5 : 252. 1887; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

Tamil: *Sitrapaladai*.

A prostrate herb.

Distrib.: All districts. E.

Euphorbia tirucalli L. Sp. Pl. 452. 1753; Hook. f. Fl. Brit. India 5 : 254. 1887; Gamble, Fl. Pres. Madras 2 : 893. 1957 (repr. ed.).

Tamil: *Tiru-kalli*.

A large shrub or small tree.

Distrib.: All districts. E.

Euphorbia tortilis Rottl. ex Ainslie, Mat. Ind. 2 : 424. 1826; Wight, Ic. t. 898. 1844-1845; Hook. f. Fl. Brit. India 5 : 256. 1887; Gamble, Fl. Pres. Madras 2 : 894. 1957 (repr. ed.).

Tamil: *Thirugakalli*.

An erect herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore (Fischer 1921), Tiruchchirappalli (Matthew 1981), Tirunelveli; "Carnatic, from Nellore to Thinnevelly, on dry hills" (Gamble 1957).

Excoecaria agallocha L. Syst. Nat. ed. 10. 1288. 1759; Wight, Ic. t. 1865 B. 1852; Hook. f. Fl. Brit. India 5 : 472. 1888; Gamble, Fl. Pres. Madras 2 : 941. 1957 (repr. ed.).

Tamil: *Kampetti, Tillal*.

An evergreen tree along sea coasts.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, South Arcot, Thanjavur. E.

Excoecaria cochinchinensis Lour. Fl. Cochinch. 2 : 612. 1790. *E. bicolor* (Hassk.) Zoll. ex Hassk. Retzia 1 : 158. 1855; Gamble, Fl. Pres. Madras 2 : 941. 1957 (repr. ed.). *Antidesma bicolor* Hassk. Cat. Bogor. 81. 1844.

A pretty ornamental shrub, cultivated.

Excoecaria crenulata Wight, Ic. t. 1865. 1852; Hook. f. Fl. Brit. India 5 : 473. 1888; Gamble, Fl. Pres. Madras 2 : 941. 1957 (repr. ed.).

A small evergreen tree or shrub.

Distrib.: Coimbatore, Madurai (Balasubramanian 1972), Nilgiri, Ramanathapuram, Tirunelveli.

Excoecaria robusta Hook. f. Fl. Brit. India 5 : 474. 1888; Gamble, Fl. Pres. Madras 2 : 941. 1957 (repr. ed.).

Tamil: *Paalmuram*.

A small tree or shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Fahrenbeitia zeylanica (Thw.) Airy Shaw in Kew Bull. 20 : 410. 1967. *Desmostemon zeylanicus* Thw. Enum. Pl. Zeyl. 278. 1861. *Ostodes zeylanicus* (Thw.) Muell.-Arg. in Linnæa 34 : 214. 1865; Bedd. Fl. Sylv. t. 274. 1872; Hook. f. Fl. Brit. India 5 : 400. 1887; Gamble, Fl. Pres. Madras 2 : 934. 1957 (repr. ed.).

A large tree.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Givotia rottleriformis Griff. in Calcutta J. Nat. Hist. 4 : 388. 1844; Wight, Ic. t. 1889. 1852; Hook. f. Fl. Brit. India 5 : 395. 1887; Gamble, Fl. Pres. Madras 2 : 938. 1957 (repr. ed.).

Tamil: *Kottaitthanakku*.

A moderate-sized tree in hills.

Distrib.: Almost all districts.

Glochidion arboreum Wight, Ic. t. 1907. f. 1. 1852; Hook. f. Fl. Brit. India 5 : 316. 1887; Gamble, Fl. Pres. Madras 2 : 914. 1957 (repr. ed.).

A small tree in hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Glochidion bourdillonii Gamble in Kew Bull. 1925 : 330. 1925 & Fl. Pres. Madras 2 : 915. 1957 (repr. ed.).

A small evergreen tree.

Distrib.: "W. Ghats, evergreen forests at low levels up to 4,000 ft." (Gamble 1957).

Glochidion ellipticum Wight, Ic. t. 1906. 1852, var. *ellipticum*; Hook. f. Fl. Brit. India 5 : 321. 1887; Gamble, Fl. Pres. Madras 2 : 915. 1957 (repr. ed.). *G. hohenackeri* Bedd. Fl. Sylv. t. 193. 1873; Hook. f. Fl. Brit. India 5 : 314. 1887.

A moderate-sized tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli; Dharmapuri, South Arcot and Tiruchchirappalli (Matthew 1981).

Glochidion ellipticum Wight var. *ralphii* (Hook. f.) Gamble, Fl. Pres. Madras 1308. 1925 & 2 : 915. 1957 (repr. ed.). *G. ralphii* Hook. f. Fl. Brit. India 5 : 314. 1887.

A small tree in hills.

Distrib.: Madurai (HIFP), Tirunelveli (Gamble 1957).

Glochidion fagifolium Bedd. For. Man. Bot. 193. 1873; Hook. f. Fl. Brit. India 5 : 312. 1887; Gamble, Fl. Pres. Madras 2 : 915. 1957 (repr. ed.).

A tree in shola forests.

Distrib.: Coimbatore (FRC), Nilgiri, Tirunelveli.

Glochidion malabaricum Bedd. For. Man. Bot. 194. 1873; Hook. f. Fl. Brit. India 5 : 319. 1887; Gamble, Fl. Pres. Madras 2 : 915. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore (Fischer 1921), Madurai.

Glochidion neilgherrense Wight, Ic. 5(2) : 29. 1852; Bedd. Fl. Sylv. t. 277. 1872; Hook. f. Fl. Brit. India 5 : 316. 1887; Gamble, Fl. Pres. Madras 2 : 914. 1957 (repr. ed.).

A moderate-sized tree, in shola forests.

Distrib.: Nilgiri, Salem (Matthew 1981).

Glochidion pauciflorum Gamble, Fl. Pres. Madras 1307. 1925 & 2 : 914. 1957 (repr. ed.).

A tree in hills.

Distrib.: Madurai, Nilgiri.

Glochidion sisparense Gamble, Fl. Pres. Madras 1307. 1925 & 2 : 914. 1957 (repr. ed.). *G. arboreum* sensu Hook. f. Fl. Brit. India 5 : 316. 1887 p.p., non Wight 1852.

A tree in hills.

Distrib.: Nilgiri (Gamble 1957). O.

Glochidion tomentosum Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 38. 1850; Hook. f. Fl. Brit. India 5 : 309. 1887; Gamble, Fl. Pres. Madras 2 : 914. 1957 (repr. ed.).

A small tree in hills.

Distrib.: Nilgiri.

Glochidion velutinum Wight, Ic. t. 1907. f. 2. 1852; Hook. f. Fl. Brit. India 5 : 322. 1887; Gamble, Fl. Pres. Madras 2 : 914. 1957 (repr. ed.).

Tamil: *Panickaavu*.

A small tree in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Ramanathapuram.

Glochidion zeylanicum (Gaertn.) Juss. Euphorb. Gen. Tent. 107. 1824; Hook. f. Fl. Brit. India 5 : 310. 1887; Gamble, Fl. Pres. Madras 2 : 914. 1957 (repr. ed.). *Bridelia zeylanica* Gaertn. Fruct. 2 : 128. t. 109. 1790.

Tamil: *Kumbalm*.

A small tree in hills.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli. E.

Hevea brasiliensis (Willd. ex Juss.) Muell.-Arg. in Linnaea 34 : 204. 1865; Gamble, Fl. Pres. Madras 2 : 942. 1957 (repr. ed.). *Siphonia brasiliensis* Willd. ex Juss. Euphorb. Gen. Tent. 113. t. 12. f. 38B. 1824.

The para rubber tree; grown in plantations. E.

Homonoia retusa (Graham ex Wight) Muell.-Arg. in Linnaea 34 : 200. 1865; Hook. f. Fl. Brit. India 5 : 456. 1887; Gamble, Fl. Pres. Madras 2 : 933. 1957 (repr. ed.). *Adelia retusa* Graham ex Wight, Ic. t. 1869. 1852.

A small shrub.

Tamil: *Aatthuchendu*.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem.

Homonoia riparia Lour. Fl. Cochinch. 2 : 637. 1790; Hook. f. Fl. Brit. India 5 : 455. 1887; Gamble, Fl. Pres. Madras 2 : 932. 1957 (repr. ed.). *Adelia neriifolia* Heyne ex Roth, Nov. Pl. Sp. 375. 1821; Wight, Ic. t. 1868. 1852.

An evergreen shrub.

Distrib.: All districts. E.

Hura crepitans L. Sp. Pl. 1008. 1753.

Tamil: *Mulbara-sanam*.

The sand-box tree, cultivated. E.

Jatropha curcas L. Sp. Pl. 1006. 1753; Hook. f. Fl. Brit. India 5 : 383. 1887; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.).

Tamil: *Kdatu-amanku*.

A small tree or shrub, cultivated and naturalized. E.

Jatropha glandulifera Roxb. Fl. Ind. 3 : 688. 1832; Hook. f. Fl. Brit. India 5 : 382. 1887; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.).

Tamil: *Adalai*.

An erect shrub.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Dharmapuri (Matthew 1981), Pudukkottai, Ramanathapuram, South Arcot, Tiruchchitappalli, Tirunelveli.

Jatropha gossypifolia L. Sp. Pl. 1006. 1753; Hook. f. Fl. Brit. India 5 : 383. 1887; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.).

Tamil: *Adalai*.

An erect shrub.

Distrib.: All districts. E.

Jatropha heynei Balakr. in Bull. Bot. Surv. India 3 : 40. 1962. *J. heterophylla* Heyne ex Hook. f. Fl. Brit. India 5 : 382. 1887, non Steud. 1840; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.).

A small shrub.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, South Arcot.

Jatropha integerrima Jacq. Select. Am. 256. 1763. *J. pandurifolia* Andr. Bot. Repos. 4 : t. 267. 1802.

An erect ornamental shrub. **E.**

Jatropha maheshwarii Subram. & Nayar in Bull. Bot. Surv. India 6 : 331. 1964. *Tritaxis beddomei* sensu Sundararaj in J. Bombay Nat. Hist. Soc. 53 : 525. ff. 1-9. 1956, non Benth. 1878.

An undershrub.

Distrib.: Kanniyakumari, Tirunelveli. **O.**

Jatropha multifida L. Sp. Pl. 1006. 1753; Hook. f. Fl. Brit. India 5 : 383. 1887; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.).

Tamil: *Malai-amanaku*.

A tall ornamental herb, mostly grown in parks and gardens. **E.**

Jatropha tanjorensis Ellis & Saroja in J. Bombay Nat. Hist. Soc. 58 : 834. 1961.

An erect shrub.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli.

Jatropha villosa Wight, Ic. t. 1159. 1846, var. *villosa*. *J. wightiana* Muell.-Arg. in DC. Prodr. 15 (2) : 1080. 1866; Hook. f. Fl. Brit. India 5 : 383. 1887; Gamble, Fl. Pres. Madras 2 : 937. 1957 (repr. ed.). *J. peltata* Wight, Ic. t. 1169. 1848.

Tamil: *Thanakku*.

A shrub.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem.

Jatropha villosa Wight var. *ramuadensis* Ramem. in Bull. Bot. Surv. India 9 : 278. 1967.

A shrub.

Distrib.: Ramanathapuram.

Macaranga flexuosa Wight, Ic. t. 1949. f. 3. 1853; Gamble, Fl. Pres. Madras 2 : 927. 1957 (repr. ed.).

A tree.

Distrib.: Tirunelveli (Gamble 1957).

Macaranga indica Wight, Ic. t. 1883. 1852; Hook. f. Fl. Brit. India 5 : 446. 1887; Gamble, Fl. Pres. Madras 2 : 927. 1957 (repr. ed.).

Tamil: *Vattuttamarai*.

A tree.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli. **E.**

Macaranga peltata (Roxb.) Muell.-Arg. in DC. Prodr. 15(2) : 1010. 1866; Gamble, Fl. Pres. Madras 2 : 928. 1957 (repr. ed.). *Osyris peltata* Roxb. Fl. Ind. 3 : 755. 1832. *Macaranga roxburghii* Wight, Ic. t. 1949. f. 4. 1853; Hook. f. Fl. Brit. India 5 : 448. 1887.

Tamil: *Vattikanni*.

A small tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. **E.**

Mallotus atrovirens Muell.-Arg. in Linnaea 34 : 195. 1865; Hook. f. Fl. Brit. India 5 : 440. 1887; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.).

A shrub.

Distrib.: Coimbatore.

Mallotus aureo-punctatus (Dalz.) Muell.-Arg. in DC. Prodr. 15(2) : 973. 1866; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.). *Rottlera aureo-punctata* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 122. 1851. *Mallotus lawii* Muell.-Arg. in Linnaea 34 : 192. 1865; Hook. f. Fl. Brit. India 5 : 438. 1887 p.p.

A small tree in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Mallotus beddomei Hook. f. Fl. Brit. India 5 : 438. 1887; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.).

A shrub.

Distrib.: Coimbatore (CAL, FRC, HIFP), Tirunelveli (Gamble 1957).

Mallotus distans Muell.-Arg. in Linnaea 34 : 194. 1865; Bedd. Ic. t. 232. 1868-1874; Hook. f. Fl. Brit. India 5 : 441. 1887; Gamble, Fl. Pres. Madras 2 : 924. 1957 (repr. ed.).

A straggling shrub.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Mallotus philippensis (Lam.) Muell.-Arg. in Linnaea 34 : 196. 1865, var. **philippensis**; Hook. f. Fl. Brit. India 5 : 442. 1887, "*philippinensis*"; Bedd. Fl. Sylv. t. 289. 1873; Gamble, Fl. Pres. Madras 2 : 924. 1957 (repr. ed.). *Croton philippense* Lam. Encycl. 2 : 206. 1786.

Tamil: *Kapli, Kamala*.

A small tree, in deciduous forests.

Distrib.: Almost all districts. E.

Mallotus philippensis (Lam.) Muell.-Arg. var. **tomentosus** Gamble, Fl. Pres. Madras 1322. 1925 & 2 : 924. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri.

Mallotus repandus (Willd.) Muell.-Arg. in Linnaea 34 : 197. 1865; Hook. f. Fl. Brit. India 5 : 442. 1887; Gamble, Fl. Pres. Madras 2 : 924. 1957 (repr. ed.). *Croton repandus* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 206. 1803.

A large shrub.

Distrib.: South Arcot, Tirunelveli; "Deccan and Carnatic to S. Travancore" (Gamble 1957).

Mallotus resinosis (Blanco) Merr. Sp. Blancoan. 222. 1918. *Adelia resinosa* Blanco, Fl. Filip. ed. 2. 562. 1845. *Mallotus muricatus* (Wight) Thw. Enum. Pl. Zeyl. 273. 1861; Bedd. Fl. Sylv. t. 208. 1872; Hook. f. Fl. Brit. India 5 : 436. 1887; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.). *Claoxylum muricatum* Wight, Ic. t. 1886. 1852.

A tree in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Mallotus rhombifolius Muell.-Arg. in Linnaea 34 : 196. 1865; Hook. f. Fl. Brit. India 5 : 440. 1887; Gamble, Fl. Pres. Madras 2 : 924. 1957 (repr. ed.).

A shrub or small tree in hills.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Mallotus stenanthus Muell.-Arg. in Linnaea 34 : 191. 1865; Hook. f. Fl. Brit. India 5 : 437. 1887; Gamble, Fl. Pres. Madras 2 : 925. 1957 (repr. ed.).

Tamil: *Karuvatichehi*.

A small tree in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tirunelveli; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Mallotus subramanyamii Ellis in Bull. Bot. Surv. India 25 : 199. 1983 (1985).

A tree with pale green flowers.

Distrib.: Nilgiri.

Mallotus tetracoccus (Roxb.) Kurz in J. Asiat. Soc. Bengal 16 : 245. 1873.

Rottlera tetracocca Roxb. Fl. Ind. 3 : 827. 1832. *Mallotus albus* sensu Muell.-Arg. in Linnaea 34 : 188. 1865 excl. basionym. *Rottlera peltata* Wight, Ic. t. 1873. 1852. *Mallotus albus* var. *occidentalis* Hook. f. Fl. Brit. India 5 : 429. 1887; Gamble, Fl. Pres. Madras 2 : 924. 1957 (repr. ed.).

Tamil: *Mullupolavu*.

A moderate-sized tree in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri; Salem and Tiruchchirappalli (Gamble 1957).

Manihot esculenta Crantz, Inst. Rei Herb. 1 : 167. 1766. *M. utilisissima* Pohl, Pl. Bras. Ic. Descr. 1 : 32. t. 24. 1826; Hook. f. Fl. Brit. India 5 : 239. 1886; Gamble, Fl. Pres. Madras 2 : 942. 1957.

Tamil: *Maravalli kizhangu*.

A tall shrub; the cassava, cultivated for its starchy tubers. E.

Manihot glaziovii Muell.-Arg. in Mart. Fl. Bras. 11(2) : 446. 1874; Gamble, Fl. Pres. Madras 2 : 942. 1957 (repr. ed.).

Tamil: *Rubber maram*.

A small tree, cultivated in hills.

Margaritaria indica (Dalz.) Airy Shaw in Kew Bull. 20 : 387. 1966. *Prosoros indicus* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4 : 346. 1852; Gamble, Fl. Pres. Madras 2 : 905. 1957 (repr. ed.). *Phyllanthus indicus* (Dalz.) Muell.-Arg. in Linnaea 32 : 52. 1863; Hook. f. Fl. Brit. India 5 : 305. 1887.

A small deciduous tree, in hills.

Distrib.: Coimbatore, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Meineckia longipes (Wight) Webster in Acta Bot. Neerl. 14 : 356. 1965. *Peltandra longipes* Wight, Ic. t. 1891. 1852. *Phyllanthus longipes* (Wight) Muell.-Arg. in

Linnaea 32 : 10. 1863; Hook. f. Fl. Brit. India 5 : 287. 1887. *Neopeltandra longipes* (Wight) Gamble, Fl. Pres. Madras 1286. 1925 & 2 : 900. 1957 (repr. ed.).

A slender undershrub, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli.

Meineckia parvifolia (Wight) Webster in Acta Bot. Neerl. 14 : 342. 1965. *Peltandra parvifolia* Wight, Ic. t. 1892. 1852. *Neopeltandra suberosa* (Muell.-Arg.) Gamble, Fl. Pres. Madras 1286. 1925 & 2 : 900. 1957 (repr. ed.). *Phyllanthus suberosus* Muell.-Arg. in Linnaea 32 : 10. 1863; Hook. f. Fl. Brit. India 5 : 287. 1887.

A slender undershrub, in hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, Salem, Tirunelveli.

Micrococca beddomei (Hook. f.) Prain in Ann. Bot. (London) 25 : 630. 1911; Gamble, Fl. Pres. Madras 2 : 929. 1957 (repr. ed.). *Claoxylon beddomei* Hook. f. Fl. Brit. India 5 : 413. 1887.

An undershrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Micrococca mercurialis (L.) Benth. in Hook. Niger Fl. 503. 1849; Gamble, Fl. Pres. Madras 2 : 929. 1957 (repr. ed.). *Tragia mercurialis* L. Sp. Pl. 980. 1753. *Claoxylon mercuriale* (L.) Thw. Enum. Pl. Zeyl. 271. 1861; Hook. f. Fl. Brit. India 5 : 412. 1887.

An erect herb.

Distrib.: All districts.

Micrococca wightii (Hook. f.) Prain in Ann. Bot. (London) 25 : 630. 1911, var. *wightii*; Gamble, Fl. Pres. Madras 2 : 929. 1957 (repr. ed.). *Claoxylon wightii* Hook. f. Fl. Brit. India 5 : 413. 1887.

A slender undershrub in hills.

Distrib.: Tirunelveli. O.

Micrococca wightii (Hook. f.) Prain var. *hirsutum* (Hook. f.) Prain in Ann. Bot. (London) 25 : 630. 1911; Gamble, Fl. Pres. Madras 2 : 929. 1957 (repr. ed.). *Claoxylon hirsutum* Hook. f. Fl. Brit. India 5 : 413. 1887.

A slender undershrub, in hills.

Distrib.: Tirunelveli.

Mischodon zeylanicus Thw. in Hooker's J. Bot. Kew Gard. Misc. 6 : 300. t. 10B. 1854; Bedd. Fl. Sylv. t. 290. 1873; Hook. f. Fl. Brit. India 5 : 344. 1887; Gamble, Fl. Pres. Madras 2 : 917. 1957 (repr. ed.).

A large tree.

Distrib.: Coimbatore, Madurai (Raju 1984), Tirunelveli (Gamble 1957).

Ostodes integrifolius Airy Shaw in Kew Bull. 16 : 362. 1963.

A tree in hills.

Distrib.: Nilgiri.

Pedilanthus tithymaloides (L.) Poir. in Ann. Mus. Hist. Nat. 19 : 390. t. 19. 1812; Hook. f. Fl. Brit. India 5 : 239. 1886; Gamble, Fl. Pres. Madras 2 : 942. 1957 (repr. ed.). *Euphorbia tithymaloides* L. Sp. Pl. 453. 1753.

Tamil: *Kannaadikkalli*.

An erect ornamental shrub, cultivated.

Phyllanthus acidus (L.) Skeels in U.S. D.A. Bur. Pl. Industr. Bull. 148 : 17. 1909. *Averrhoa acida* L. Sp. Pl. 428. 1753. *Cicca disticha* L. Mant. Pl. 124. 1767; Gamble, Fl. Pres. Madras 2 : 942. 1957 (repr. ed.). *Phyllanthus distichus* (L.) Muell.-Arg. in DC. Prodr. 15(2) : 413. 1866; Hook. f. Fl. Brit. India 5 : 304. 1887.

Tamil: *Aranelli*.

A small tree, cultivated. E.

Phyllanthus amarus Schum. & Thonn. in Kongel. Danske Vidensk.- Selsk. Skr. 4 : 195. 1829; Airy Shaw, Euphorbiac. Borneo 182. 1975. *P. niruri* auct. non L. 1753; Wight, Ic. t. 1894. 1852; Hook. f. Fl. Brit. India 5 : 298. 1887; Gamble, Fl. Pres. Madras 2 : 903. 1957 (repr. ed.).

Tamil: *Kila-nelli*.

An erect herb.

Distrib.: All districts. E.

Phyllanthus baillonianus Muell.-Arg. in Linnaea 32 : 47. 1863; Hook. f. Fl. Brit. India 5 : 300. 1887. *Reidia bailloniana* (Muell.-Arg.) Gamble, Fl. Pres. Madras 1293. 1925 & 2 : 904. 1957 (repr. ed.).

A shrub in hills.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Phyllanthus beddomei (Gamble) Mohanan in J. Econ. Tax. Bot. 6 : 480. 1985. *Reidia beddomei* Gamble in Kew Bull. 1925 : 331. 1925 & Fl. Pres. Madras 2 : 904. 1957 (repr. ed.).

A glabrous undershrub in hills.

Distrib.: Tirunelveli (Gamble 1957). R.

Phyllanthus debilis Klein ex Willd. Sp. Pl. 4 : 582. 1805; Hook. f. Fl. Brit. India 5 : 299. 1887; Gamble, Fl. Pres. Madras 2 : 903. 1957 (repr. ed.).

An erect slender herb in hills.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, Tiruchchirappalli.

Phyllanthus emblica L. Sp. Pl. 982. 1753; Hook. f. Fl. Brit. India 5 : 289. 1887. *Emblica officinalis* Gaertn. Fruct. 2 : 122. 1791; Wight, Ic. t. 1896. 1852; Gamble, Fl. Pres. Madras 2 : 906. 1957 (repr. ed.).

Tamil: *Nelli*.

A small deciduous tree, also cultivated.

Distrib.: Almost all districts.

Phyllanthus fimbriatus (Wight) Muell.-Arg. in *Linnaea* 32 : 47. 1863; Hook f. *Fl. Brit. India* 5 : 302. 1887. *Reidia fimbriata* Wight, *Ic. t.* 1904. f. 1. 1852; Gamble, *Fl. Pres. Madras* 2 : 904. 1957 (repr. ed.).

A glabrous shrub in hills.

Distrib.: Nilgiri, Tirunelveli.

Phyllanthus gageana (Gamble) Mohanan in *J. Econ. Tax. Bot.* 6 : 480. 1985. *Reidia gageana* Gamble in *Kew Bull.* 1925 : 331. 1925 & *Fl. Pres. Madras* 2 : 904. 1957 (repr. ed.).

An undershrub, in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957).

Phyllanthus gardnerianus (Wight) Baill. *Etud. Gen. Euphorb.* 628. 1858; Gamble, *Fl. Pres. Madras* 2 : 902. 1957 (repr. ed.). *Macraea gardneriana* Wight, *Ic. t.* 1902. f. 3. 1852. *Phyllanthus simplex* Retz. var. *gardneriana* (Wight) Muell.-Arg. in *Linnaea* 32 : 32. 1863; Hook. f. *Fl. Brit. India* 5 : 295. 1887.

A slender undershrub, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Phyllanthus indofischeri Bennet in *Indian Forester* 109 : 221. 1983. *Emblia fischeri* Gamble in *Kew Bull.* 1925 : 330. 1925 & *Fl. Pres. Madras* 2 : 906. 1957 (repr. ed.). *Phyllanthus fischeri* sensu Ellis in *Bull. Bot. Surv. India* 22: 193. 1980 (1982), non Pax 1895.

A small deciduous tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Phyllanthus lawii Graham ex Muell.-Arg. in *DC. Prodr.* 15(2) : 353. 1866; Hook. f. *Fl. Brit. India* 5 : 290. 1887; Gamble, *Fl. Pres. Madras* 2 : 901. 1957 (repr. ed.).

A straggling shrub in hills.

Distrib.: Coimbatore, Dharmapuri, Salem.

Phyllanthus longiflorus Heyne ex Hook. f. *Fl. Brit. India* 5 : 302. 1887. *Reidia longiflora* (Heyne ex Hook. f.) Gamble, *Fl. Pres. Madras* 1293. 1925 & 2 : 905. 1957 (repr. ed.).

A small shrub.

Distrib.: Tirunelveli.

Phyllanthus macraei Muell.-Arg. in *Linnaea* 32 : 29. 1863, var. *macraei*; Hook. f. *Fl. Brit. India* 5 : 296. 1887; Gamble, *Fl. Pres. Madras* 2 : 902. 1957 (repr. ed.). *Macraea rheedii* Wight, *Ic. t.* 1901. 1852, non *Phyllanthus rheedii* Wight 1852.

A shrub, in hills at high altitudes.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Phyllanthus macraei Muell.-Arg. var. *hispidus* Gamble, *Fl. Pres. Madras* 1290. 1925 & 2 : 902. 1957 (repr. ed.).

A shrub in hills.

Distrib.: Madurai.

Phyllanthus macrocalyx Muell.-Arg. in *Linnaea* 32 : 48. 1863; Hook. f. *Fl. Brit. India* 5 : 301. 1887. *Reidia macrocalyx* (Muell.-Arg.) Gamble, *Fl. Pres. Madras* 1292. 1925 & 2 : 904. 1957 (repr. ed.).

A much-branched undershrub, in hills.

Distrib.: Tirunelveli.

Phyllanthus maderaspatensis L. *Sp. Pl.* 982. 1753; Wight, *Ic. t.* 1895. f. 3. 1852; Hook. f. *Fl. Brit. India* 5 : 292. 1887;

Gamble, Fl. Pres. Madras 2 : 902. 1957 (repr. ed.).

An erect or decumbent herb.

Distrib.: All districts.

Phyllanthus megacarpa (Gamble) Kumari & Chandrabose comb. nov. *Reidia megacarpa* Gamble in Kew Bull. 1925 : 332. 1925 & Fl. Pres. Madras 2 : 904. 1957 (repr. ed.).

An undershrub in hills.

Distrib.: Nilgiri.

Phyllanthus missionis Hook. f. Fl. Brit. India 5 : 297. 1887; Gamble, Fl. Pres. Madras 2 : 903. 1957 (repr. ed.).

An erect undershrub in low hills.

Distrib.: Coimbatore, Ramanathapuram, Salem, Tirunelveli.

Phyllanthus pinnatus (Wight) Webster in J. Arnold Arbor. 38 : 52. 1957, in adnot.; Airy Shaw in Kew Bull. 23 : 41. 1969. *Chorisandra pinnata* Wight, Ic. t. 1994. 1853. *Phyllanthus wightianus* Muell.-Arg. in Linnaea 32 : 47. 1863; Hook. f. Fl. Brit. India 5 : 303. 1887. *Reidia floribunda* Wight, Ic. t. 1903. 1852; Gamble, Fl. Pres. Madras 2 : 905. 1957 (repr. ed.). *Flueggia microcarpa* sensu Hook. f. Fl. Brit. India 5 : 328. 1887, non Blume 1826.

A shrub.

Distrib.: Coimbatore (FRC), Dharmapuri (Matthew 1981), Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli.

Phyllanthus polyphyllus Willd. Sp. Pl. 4 : 586. 1805; Wight, Ic. t. 1895. f. 2. 1852; Hook. f. Fl. Brit. India 5 : 290. 1887; Gamble, Fl. Pres. Madras 2 : 901. 1957 (repr. ed.).

Tamil: *Sirunelli*.

A shrub or small tree in hills.

Distrib.: Almost all districts.

Phyllanthus reticulatus Poir. in Lam. Encycl. 5 : 298. 1804; Hook. f. Fl. Brit. India 5 : 288. 1887; Airy Shaw, Euphorbiac. Borneo 185. 1975. *Kirganelia reticulata* (Poir.) Baill. Etud. Gen. Euphorb. 613. 1858; Gamble, Fl. Pres. Madras 2 : 905. 1957 (repr. ed.). *Anisonema multiflora* Wight, Ic. t. 1899. 1852.

A sarmentose shrub.

Distrib.: All districts.

Phyllanthus rheedii Wight, Ic. t. 1895. f. 1. 1852; Hook. f. Fl. Brit. India 5 : 293. 1887; Gamble, Fl. Pres. Madras 2 : 902. 1957 (repr. ed.).

A slender erect herb in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Phyllanthus rotundifolius Klein ex Willd. Sp. Pl. 4 : 584. 1805; Hook. f. Fl. Brit. India 5 : 299. 1887; Gamble, Fl. Pres. Madras 2 : 903. 1957 (repr. ed.).

A prostrate or ascending herb on sea-coasts.

Distrib.: Chengalpattu, Ramanathapuram, Thanjavur, Tirunelveli.

Phyllanthus singampattiana (Sebastine & Henry) Kumari & Chandrabose comb. nov. *Reidia singampattiana* Sebastine & Henry in Bull. Bot. Surv. India 2 : 43. 1960.

A woody undershrub or shrub, in crevices of rocks along streams in hills.

Distrib.: Tirunelveli.

Phyllanthus speciosus Jacq. Coll. Bot. 2 : 360. 1789; Gamble, Fl. Pres. Madras 2 : 903. 1957 (repr. ed.).

An ornamental shrub, in plains.

Phyllanthus stipulacea (Gamble) Kumari & Chandrabose comb. nov. *Reidia stipulacea* Gamble in Kew Bull. 1925 : 332, 1925 & Fl. Pres. Madras 2 : 905, 1957 (repr. ed.).

A straggling shrub in hills.

Distrib.: Coimbatore, Madurai.

Phyllanthus urinaria L. Sp. Pl. 982, 1753; Hook. f. Fl. Brit. India 5 : 293, 1887; Gamble, Fl. Pres. Madras 2 : 902, 1957 (repr. ed.). *P. leprocarpus* Wight, Ic. t. 1895, f. 4, 1852.

An erect herb.

Distrib.: All districts.

Phyllanthus virgatus Forst. f. Insul. Austr. Prodr. 65, 1786, "*virgata*". *P. simplex* Retz. Obs. Bot. 5 : 29, 1788; Hook. f. Fl. Brit. India 5 : 295, 1887; Gamble, Fl. Pres. Madras 2 : 902, 1957 (repr. ed.). *Macraea oblongifolia* Wight, Ic. t. 1902, f. 1, 1852.

A small herb.

Distrib.: All districts.

Pseudoglochidion anamlayanum Gamble in Kew Bull. 1925 : 330, 1925 & Fl. Pres. Madras 2 : 899, 1957 (repr. ed.).

An erect undershrub.

Distrib.: Coimbatore, O.

Ricinus communis L. Sp. Pl. 1007, 1753; Hook. f. Fl. Brit. India 5 : 457, 1887; Gamble, Fl. Pres. Madras 2 : 933, 1957 (repr. ed.).

Tamil: *Sittamanaku*.

An erect shrub or small tree, cultivated, E.

Sapium insigne (Royle) Benth. in Benth. & Hook. f. Gen. Pl. 3 : 335, 1880; Hook. f. Fl. Brit. India 5 : 471, 1888; Gamble, Fl. Pres. Madras 2 : 941, 1957 (repr. ed.).

Falconeria insignis Royle, Ill. 354, t. 98, f. 2, 1839.

A small deciduous tree in hills.

Tamil: *Sakkarakkalli*.

Distrib.: Chengalpattu, Kauniyakumari, Nilgiri, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981).

Sapium sebiferum (Michaux) Roxb. Fl. Ind. 3 : 693, 1832; Hook. f. Fl. Brit. India 5 : 470, 1888; Gamble, Fl. Pres. Madras 2 : 942, 1957 (repr. ed.). *Stillingia sebifera* Michaux, Fl. Bor.-Amer. 2 : 213, 1803.

A small deciduous tree, occasionally cultivated, E.

Sauropus androgynus (L.) Merr. in Bull. Bur. Forest Philipp. Islands 1 : 30, 1903; Gamble, Fl. Pres. Madras 2 : 911, 1957 (repr. ed.). *Clusia androgyna* L. Mant. Pl. 128, 1767. *Sauropus albicans* Blume, Bijdr. 596, 1826; Hook. f. Fl. Brit. India 5 : 332, 1887. *S. indicus* Wight, Ic. t. 1952, f. 2, 1853.

An erect shrub, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli.

Sauropus bacciformis (L.) Airy Shaw in Kew Bull. 35 : 685, 1980. *Phyllanthus bacciformis* L. Mant. Pl. 294, 1771. *Agynenia bacciformis* (L.) Juss. Euphorb. Gen. Tent. 24, t. 6, 1824; Wight, Ic. t. 1893, 1852; Hook. f. Fl. Brit. India 5 : 285, 1887; Gamble, Fl. Pres. Madras 2 : 899, 1957 (repr. ed.). *Synostemon bacciformis* (L.) Webster in Taxon 9 : 26, 1960.

An ascending or erect herb.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Sauropus quadrangularis (Willd.) Muell.-Arg. in Linnæa 32 : 73, 1863; Hook. f.

Fl. Brit. India 5 : 335. 1887; Gamble, Fl. Pres. Madras 2 : 911. 1957 (repr. ed.). *Phyllanthus quadrangularis* Willd. Sp. Pl. 4 : 585. 1805.

A small shrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Sebastiania chamaelea (L.) Muell.-Arg. in DC. Prodr. 15 (2) : 1175. 1866; Hook. f. Fl. Brit. India 5 : 475. 1888; Gamble, Fl. Pres. Madras 2 : 940. 1957 (repr. ed.). *Tragia chamaelea* L. Sp. Pl. 1391. 1753.

A glabrous herb.

Distrib.: All districts. E.

Securinega leucopyrus (Willd.) Muell.-Arg. in DC. Prodr. 15 (2) : 451. 1866. *Flueggea leucopyrus* Willd. Sp. Pl. 4 : 757. 1805; Wight, Ic. t. 1875. 1852; Hook. f. Fl. Brit. India 5 : 328. 1887; Gamble, Fl. Pres. Madras 2 : 907. 1957 (repr. ed.).

Tamil: *Pulanji*.

A large straggling shrub.

Distrib.: All districts.

Securinega virosa (Roxb. ex Willd.) Baill. in Adansonia 6 : 334. 1866 excl. descr. *Phyllanthus virosus* Roxb. ex Willd. Sp. Pl. 4 : 578. 1805. *Flueggea microcarpa* Blume, Bijdr. 580. 1826; Hook. f. Fl. Brit. India 5 : 328. 1887 p.p. *F. virosa* (Roxb. ex Willd.) Baill. Etud. Gen. Euphorb. 593. 1858; Gamble, Fl. Pres. Madras 2 : 907. 1957 (repr. ed.).

Tamil: *Pula*.

A large shrub.

Distrib.: All districts. E.

Suregada angustifolia (Baill. ex Muell.-Arg.) Airy Shaw in Kew Bull. 23 : 128. 1969. *Gelonium angustifolium* Baill. ex Muell.-Arg. in DC. Prodr. 15 (2) : 1128. 1866. *G. lanceolatum* auct. non Willd. 1806; Wight, Ic. t. 1867. 1852; Hook. f.

Fl. Brit. India 5 : 459. 1887; Gamble, Fl. Pres. Madras 2 : 940. 1957 (repr. ed.). p.p.

Tamil: *Kakaipalai*.

A small tree, in evergreen forests.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Tiruchchirappalli, Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981).

Suregada multiflora (Juss.) Baill. Etud. Gen. Euphorb. 396. 1858. *Gelonium multiflorum* Juss. Euphorb. Gen. Tent. 3 : t. 10. f. 31A. 1824; Hook. f. Fl. Brit. India 5 : 459. 1887; Gamble, Fl. Pres. Madras 2 : 940. 1957 (repr. ed.). *G. fasciculatum* Roxb. Fl. Ind. 3 : 832. 1832.

A small tree, cultivated.

Synadenium grantii Hook. f. in Bot. Mag. t. 5633. 1867.

A bushy shrub, often grown in gardens and hedges.

Tragia bicolor Miq. in Linnæa 26 : 222. 1853; Hook. f. Fl. Brit. India 5 : 465. 1888; Gamble, Fl. Pres. Madras 2 : 932. 1957 (repr. ed.).

A slender herb, in hills.

Distrib.: Madurai, Nilgiri.

Tragia involucrata L. Sp. Pl. 980. 1753, var. *involucrata*; Hook. f. Fl. Brit. India 5 : 465. 1888; Gamble, Fl. Pres. Madras 2 : 931. 1957 (repr. ed.).

Tamil: *Kannichi*, *Chenthatti*.

A climbing shrub.

Distrib.: Almost all districts. E.

Tragia involucrata L. var. *angustifolia* Hook. f. Fl. Brit. India 5 : 465. 1888; Gamble, Fl. Pres. Madras 2 : 932. 1957 (repr. ed.).

A climbing herb, in hills.

Distrib.: Coimbatore, Madurai.

Tragia muelleriana Pax & Hoffm. in Engler, Pflanzenr. 68 : 80. 1919; Gamble, Fl. Pres. Madras 2 : 932. 1957 (repr. ed.). *T. involucrata* L. var. *cordata* Muell.-Arg. in DC. Prodr. 15 (2) : 943. 1866; Hook. f. Fl. Brit. India 5 : 465. 1888.

A slender climbing shrub, in evergreen forests.

Distrib.: Coimbatore.

Tragia plukenetii R. Smith in Kew Bull. 37 : 688. 1983. *T. cannabina* L. f. Suppl. Pl. 415. 1781, nom. illeg.; Gamble, Fl. Pres. Madras 2 : 932. 1957 (repr. ed.). *T. involucrata* L. var. *cannabina* (L. f.) Muell.-Arg. in DC. Prodr. 15 (2) : 944. 1866; Hook. f. Fl. Brit. India 5 : 465. 1888.

Tamil: *Karunchenthatti*.

A climbing shrub.

Distrib.: Almost all districts.

Trewia nudiflora L. Sp. Pl. 1193. 1753; Wight, Ic. t. 1870. 1852; Hook. f. Fl. Brit. India 5 : 423. 1887; Gamble, Fl. Pres. Madras 2 : 922. 1957 (repr. ed.).

Tamil: *Aattharasu*.

A deciduous tree.

Distrib.: Coimbatore, South Arcot; Salem and Tiruchchirappalli (Matthew 1981).

Trewia polycarpa Benth. ex Hook. f. Fl. Brit. India 5 : 424. 1887; Gamble, Fl. Pres. Madras 2 : 923. 1957 (repr. ed.). *T. nudiflora* sensu Wight, Ic. t. 1871. 1852, non L. 1753.

Tamil: *Ana-thuvurai*.

A medium-sized tree.

Distrib.: Coimbatore, Nilgiri, South Arcot, Thanjavur, Tiruchchirappalli.

Trigonostemon nemoralis Thw. Enum. Pl. Zeyl. 277. 1861; Bedd. Ic. t. 182.

1868-1874; Hook. f. Fl. Brit. India 5 : 398. 1887; Gamble, Fl. Pres. Madras 2 : 938. 1957 (repr. ed.).

A shrub or small tree, in evergreen forests.

Distrib.: Tirunelveli.

Vernicia montana Lour. Fl. Cochinch. 2 : 586. 1790.

An introduced tree.

BISCHOFIACEAE

M. CHANDRABOSE

Bischofia javanica Blume, Bijdr. 1168. 1826-1827; Bedd. Fl. Sylv. t. 259. 1872; Hook. f. Fl. Brit. India 5 : 345. 1887; Gamble, Fl. Pres. Madras 2 : 918. 1957 (repr. ed.). *Microelus roeperianus* Wight & Arn. in Edinburgh New Philos. J. 14 : 298. 1833; Wight, Ic. t. 1880. 1852.

Tamil: *Thondi, Milachityan*.

A large deciduous tree, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. E.

DAPHNIPHYLLACEAE

M. CHANDRABOSE

Daphniphyllum neilgherrense (Wight) K. Rosenth. in Engler, Pflanzenr. 4 (147a) : 7. 1919; Gamble, Fl. Pres. Madras 2 : 917. 1957 (repr. ed.). *Goughia neilgherrensis* Wight, Ic. tt. 1878 & 1879. 1852. *Daphniphyllum glaucescens* Muell.-Arg. in DC. Prodr. 16 (1) : 3. 1866, non Blume 1826-1827; Hook. f. Fl. Brit. India 5 : 353. 1887.

A medium-sized evergreen tree, in hills.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Salem (Matthew 1981), Tirunelveli.

STILAGINACEAE

M. CHANDRABOSE

Antidesma acutum Retz. Obs. Bot. 5 : 30. 1788; Fischer in Kew Bull. 1932: 65. 1932. *A. diandrum* (Roxb.) Roth, Nov. Pl. Sp. 369. 1821; Hook. f. Fl. Brit. India 5 : 361. 1887; Gamble, Fl. Pres. Madras 2 : 908. 1957 (repr. ed.). *Stilago diandra* Roxb. Pl. Cor. t. 166. 1802.

Tamil: *Asaripuli*.

A small tree, in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Antidesma alexiteria L. Sp. Pl. 1027. 1753 p.p.; Hook. f. Fl. Brit. India 5 : 359. 1887; Mandal & Panigrahi in J. Econ. Tax. Bot. 4 : 257. 1983. *A. zeylanicum* Lam. Encycl. 1 : 207. 1792; Gamble, Fl. Pres. Madras 2 : 908. 1957 (repr. ed.).

Tamil: *Nolaidali*.

A small tree, in evergreen forests.

Distrib.: Chengalpattu, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli, Tirunelveli; Salem and South Arcot (Matthew 1981). E.

Antidesma bunius (L.) Spreng. Syst. Veg. 1 : 826. 1824 (1825); Wight, Ic. t. 819. 1844-1845; Hook. f. Fl. Brit. India 5 : 358. 1887 p.p.; Gamble, Fl. Pres. Madras 2 : 908. 1957 (repr. ed.). *Stilago bunius* L. Mant. Pl. 122. 1767.

Tamil: *Nolatali*.

A small evergreen tree.

Distrib.: Madurai, Nilgiri, Salem, Tirunelveli.

Antidesma ghaesembilla Gaertn. Fruct. 1 : 189. t. 39. 1788; Hook. f. Fl. Brit. India 5 : 357. 1887; Gamble, Fl. Pres.

Madras 2 : 908. 1957 (repr. ed.). *A. pubescens* Roxb. Pl. Cor. t. 167. 1802.

Tamil: *Pulichchamaram*.

A small deciduous tree.

Distrib.: Chengalpattu, Coimbatore (FRC); "Deccan and Carnatic" (Gamble 1957); Salem and South Arcot (Matthew 1981).

Antidesma menasu (Tul.) Miq. ex Muell.-Arg. in DC. Prodr. 15 (2) : 257. 1866 p.p.; Hook. f. Fl. Brit. India 5 : 364. 1887 p.p.; Gamble, Fl. Pres. Madras 2 : 908. 1957 (repr. ed.); Mandal & Panigrahi in J. Econ. Tax. Bot. 4 : 256. 1983. *A. pubescens* Roxb. var. *menasu* Tul. in Ann. Sci. Nat. Bot. ser. 3. 15 : 215. 1851.

Tamil: *Pali Eechi*.

A small tree, in evergreen forests.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli.

Antidesma walkeri (Tul.) Pax & Hoffm. in Engler, Pflanzenr. 81 : 118. 1922; Henry in Curr. Sci. 35 : 106. f. 1. 1966. *A. lanceolatum* Tul. var. *walkeri* Tul. in Ann. Sci. Nat. Bot. ser. 3. 15 : 196. 1851. *A. diandrum* sensu Hook. f. Fl. Brit. India 5 : 361. 1887 p.p., non (Roxb.) Roth 1821.

An erect shrub in lower hills.

Distrib.: Tirunelveli.

BUXACEAE

G.R. KUMARI

Buxus papillosa C. Schneider, Ill. Handb. Laubholz. 2 : 139. 1907. *B. sempervirens* sensu Hook. f. Fl. Brit. India 5 : 267. 1887, non L. 1753; Gamble, Fl. Pres. Madras 2 : 866. 1957 (repr. ed.).

A shrub or tree, commonly used for hedges in hills.

Sarcococca brevifolia (Muell.-Arg.) Stapf ex Gamble, Fl. Pres. Madras 1265. 1925 & 2 : 886. 1957 (repr. ed.). *S. saligna* (D. Don) Muell.-Arg. var. *brevifolia* Muell.-Arg. in DC. Prodr. 16 (1) : 11. 1869. *S. pruniformis* Lindl. var. *brevifolia* (Muell.-Arg.) Hook. f. Fl. Brit. India 5 : 267. 1887.

An evergreen shrub, in shola undergrowth.

Distrib.: Nilgiri. E.

Sarcococca saligna (D. Don) Muell.-Arg. in DC. Prodr. 16 (1) : 11. 1869. *Buxus saligna* D. Don, Prodr. Fl. Nep. 63. 1825. *Sarcococca pruniformis* Lindl. in Bot. Reg. 12 : t. 1012. 1826 p.p.; Hook. f. Fl. Brit. India 5 : 266. 1887 p.p. *S. trinervia* Wight, Ic. t. 1877. 1852; Gamble, Fl. Pres. Madras 2 : 885. 1957 (repr. ed.).

A large evergreen shrub, usually in forest undergrowth.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem. E.

URTICACEAE

V. CHITHRA

Boehmeria glomerulifera Miq. in Zoll. Syst. Verz. Ind. Archip. 101, 104. 1854. *B. malabarica* Wedd. in Arch. Mus. Hist. Nat. 8 : 350. 1855-1856; Hook. f. Fl. Brit. India 5 : 575. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 970. 1957 (repr. ed.).

A large shrub or small tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Boehmeria macrophylla Hornem. Hort. Bot. Hafa. 2 : 890. 1815; Friis & Marais in Kew Bull. 37 : 164. 1982. *B. platyphylla* D. Don, Prodr. Fl. Nep. 60. 1825; Hook. f. Fl. Brit. India

5 : 578. 1888 incl. var. *longissima*; Fischer in Gamble, Fl. Pres. Madras 3 : 970. 1957 (repr. ed.).

A spreading shrub with very long and fine spikes.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Boehmeria nivea (L.) Gaudich. Voy. Uranie 12 : 499. 1830; Hook. f. Fl. Brit. India 5 : 576. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 970. 1957 (repr. ed.). *Urtica nivea* L. Sp. Pl. 1398. 1753. *U. tenacissima* Roxb. Fl. Ind. 3 : 590. 1832; Wight, Ic. t. 688. 1843.

A shrub, cultivated; the China grass. E.

Chamabaina cuspidata Wight, Ic. t. 1981. 1853; Hook. f. Fl. Brit. India 5 : 580. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 965. 1957 (repr. ed.).

A small diffuse herb, in moist places.

Distrib.: Nilgiri.

Debregeasia ceylanica Hook. f. Fl. Brit. India 5 : 592. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 972. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore. E.

Debregeasia longifolia (Burm. f.) Wedd. in DC. Prodr. 16(1) : 235. 1869. *Urtica longifolia* Burm. f. Fl. Ind. 197. 1768. *Debregeasia velutina* Gaudich. Voy. Bonite Bot. t. 90. 1844-1846; Hook. f. Fl. Brit. India 5 : 590. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 971. 1957 (repr. ed.). *Conocephalus niveus* Wight, Ic. t. 1959. 1853.

Tamil: *Katunochchi*.

A shrub or small tree.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Ramanathapuram, Tirunelveli. E.

Debregeasia wallichiana (Wedd.) Wedd. in Arch. Mus. Hist. Nat. 9 : 464, t. 14. (excl. Ceylon plant) 1856-1857; Hook. f. Fl. Brit. India 5 : 591. 1888. *Missiessya wallichii* Wedd. in Ann. Sci. Nat. Bot. ser. 4. 1 : 195. 1854.

A tree with robust branches.

Distrib.: Coimbatore (FRC). E.

Deadrocnide sinuata (Blume) Chew in Gard. Bull. Straits Settlement. 21 : 206. 1965. *Urtica sinuata* Blume, Bijdr. 505. 1826. *Laportea crenulata* Gaudich. Voy. Uranie 12 : 498. 1830; Bedd. Fl. Sylv. t. 306. 1873; Hook. f. Fl. Brit. India 5 : 550. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 961. 1957 (repr. ed.). *Urtica crenulata* (Gaudich.) Roxb. Fl. Ind. 3 : 591. 1832; Wight, Ic. t. 686. 1840.

Tamil: *Otta-pilava*.

A stout shrub or small tree.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli. E.

Droguetia diffusa Wedd. in Ann. Sci. Nat. Bot. ser. 4. 1 : 211. 1854; Hook. f. Fl. Brit. India 5 : 593. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 969. 1957 (repr. ed.). *Forskohlia urticoides* Wight, Ic. t. 1982. 1853, non *Droguetia urticoides* Wedd. 1854.

A small diffuse herb.

Distrib.: Madurai, Nilgiri.

Elatostema acuminatum (Poir.) Brongn. in Duperr. Voy. Bot. 211. 1834; Hook. f. Fl. Brit. India 5 : 566. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.). *Procris acuminata* Poit. in Lam. Encycl. 5 : 629. 1804.

A much-branched undershrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Elatostema cuneatum Wight, Ic. t. 2091. f. 3. 1853, "*cuneata*"; Hook. f. Fl.

Brit. India 5 : 568. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A small slender herb, common in humid localities.

Distrib.: Nilgiri (Sengupta & Ram Lal 1978), Tirunelveli.

Elatostema lineolatum Wight, Ic. t. 1984. 1853, var. *lineolatum*, "*lineolata*"; Hook. f. Fl. Brit. India 5 : 565. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A herb or undershrub, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Tirunelveli.

Elatostema lineolatum Wight var. *falcigera* Thw. Enum. Pl. Zeyl. 260. 1861; Hook. f. Fl. Brit. India 5 : 565. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A herb or undershrub with branchlets more or less fuscous or tawny tomentose.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Elatostema lineolatum Wight var. *linearis* Wedd. in Arch. Mus. Hist. Nat. 9 : 313. 1856, "*lineare*"; Hook. f. Fl. Brit. India 5 : 565. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A herb or undershrub, in moist dense forests.

Distrib.: Tirunelveli.

Elatostema lineolatum Wight var. *setosum* Henry in Bull. Bot. Surv. India 6 : 317. 1964 (1965).

A herb or undershrub.

Distrib.: Tirunelveli.

Elatostema sessile Forst. Char. Gen. 106. 1776, var *sessile*; Hook. f. Fl. Brit. India 5 : 563. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 962. 1957 (repr. ed.).

A herb in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Madurai (Fyson 1932), Nilgiri.

Elatostema sessile Forst. var. *cuspidata* (Wight) Wedd. Monog. Urtic. 294. t. 9. 1856; Hook. f. Fl. Brit. India 5 : 564. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.). *E. cuspidata* Wight, Ic. t. 1983 (not 2091. f. 1) 1853.

A herb with leaves glabrous or setose above, pubescent on the nerves beneath.

Distrib.: Madurai, Nilgiri.

Elatostema sessile Forst. var. *pubescens* Hook. f. Fl. Brit. India 5 : 564. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A herb, stem and leaves more or less substrigose to tomentose.

Distrib.: Madurai (HIFP), Nilgiri (Fyson 1932).

Elatostema surculosum Wight, Ic. t. 2091. f. 4. 1853, "*surculosa*"; Hook. f. Fl. Brit. India 5 : 572. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A small succulent herb, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Elatostema wightii Hook. f. Fl. Brit. India 5 : 570. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.).

A succulent herb.

Distrib.: Coimbatore (Fischer 1957), Madurai, Nilgiri (Fischer 1957).

Girardinia diversifolia (Link) Friis in Kew Bull. 36 : 145. 1981. *Urtica diversifolia*

Link, Enum. Pl. Hort. Berol. 2 : 385. 1822. *Girardinia heterophylla* Decne. in Jacq. Voy. 4 : 151. t. 153. 1844; Hook. f. Fl. Brit. India 5 : 551. 1888 incl. var. *palmata*. *G. leschenaultiana* Decne. in Jacq. Voy. 4 : 152. 1844; Wight, Ic. t. 1976. 1853; Fischer in Gamble, Fl. Pres. Madras 3 : 960. 1957 (repr. ed.). *G. zeylanica* Decne. in Jacq. Voy. 4 : 152. 1844; Fischer in Gamble, Fl. Pres. Madras 3 : 960. 1957 (repr. ed.). *G. heterophylla* Decne. var. *zeylanica* (Decne.) Hook. f. Fl. Brit. India 5 : 551. 1888.

A strong stinging nettle.

Distrib.: Coimbatore, Madurai (CAL), Nilgiri; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Laportea bulbifera (Sieb. & Zucc.) Wedd. in Arch. Mus. Hist. Nat. 9 : 139. 1856. *Urtica bulbifera* Sieb. & Zucc. in Abh. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. 4 : 214. 1846. *Laportea terminalis* Wight, Ic. t. 1972. 1853; Hook. f. Fl. Brit. India 5 : 549. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 961. 1957 (repr. ed.).

An erect herb, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram. E.

Laportea interrupta (L.) Chew in Gard. Bull. Straits Settlement. 21 : 200. 1965. *Urtica interrupta* L. Sp. Pl. 985. 1753. *Fleurya interrupta* (L.) Gaudich. Voy. Uranie 12 : 497. t. 8. 1830; Wight, Ic. t. 1975. 1853; Hook. f. Fl. Brit. India 5 : 548. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 959. 1957 (repr. ed.).

An erect nettle-like herb, flower clusters in interrupted pseudospikes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Matthew 1981), Thanjavur, Tirunelveli. E.

Lecanthus peduncularis (Wall. ex Royle) Wedd. in DC. Prodr. 16 (1) : 164. 1869. *Procris peduncularis* Wall. ex Royle, Ill. t. 83. f. 2. 1836. *Lecanthus wightii* Wedd. in Ann. Sci. Nat. Bot. ser. 4. 1 : 187. 1854; Hook. f. Fl. Brit. India 5 : 559. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 961. 1957 (repr. ed.). *Elatostema ovatum* Wight, Ic. t. 1985. 1853, "ovata".

A variable herb, in moist and shady places in hills.

Distrib.: Coimbatore, Madurai, Nilgiri.

Oreocnide frutescens (Thunb.) Miq. in Ann. Mus. Bot. Lugduno-Batavum 3 : 131. 1867. *Urtica frutescens* Thunb. Fl. Jap. 70. 1784. *Villebrunea frutescens* (Thunb.) Blume, Mus. Bot. Lugduno-Batavum 2 : 168. 1856; Hook. f. Fl. Brit. India 5 : 590. 1888.

An erect shrub with slender branches.

Distrib.: Coimbatore (Fischer 1921).

Oreocnide integrifolia (Gaudich.) Miq. in Ann. Mus. Bot. Lugduno-Batavum 4 : 306. 1869, var. *integrifolia*. *Villebrunea integrifolia* Gaudich. Voy. Bonite Bot. t. 91. 1844; Hook. f. Fl. Brit. India 5 : 589. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 971. 1957 (repr. ed.).

A large shrub or small tree, in sholas.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

Oreocnide integrifolia (Gaudich.) Miq. var. *sylvatica* (Hassk.) Chithra comb. nov. *Boehmeria sylvatica* Hassk. Hort. Bogor. 79. 1844. *Villebrunea integrifolia* Gaudich. var. *sylvatica* (Hassk.) Hook. f. Fl. Brit. India 5 : 590. 1888.

An evergreen tree.

Distrib.: Coimbatore (FRC).

Parietaria micrantha Ledeb. Ic. Pl. Alt. 1 : 7. t. 22. 1829. *P. debilis* auct. non

Forst. f. 1786; Hook. f. Fl. Brit. India 5 : 593. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 969. 1957 (repr. ed.).

A small diffuse, flaccid, pubescent herb, in sholas at high elevations.

Distrib.: Nilgiri.

Pellionia heyneana Wedd. Monog. Urtic. 287. t. 5. 1856; Hook. f. Fl. Brit. India 5 : 561. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 965. 1957 (repr. ed.).

A herb in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Pilea angulata (Blume) Blume, Mus. Bot. Lugduno Batavum 2 : 55. 1856. *Urtica angulata* Blume, Bijdr. 494. 1826. *Pilea stipulosa* Miq. in Zoll. Syst. Verz. Ind. Archip. 102. 1854; Hook. f. Fl. Brit. India 5 : 555. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.).

A stout herb.

Distrib.: Coimbatore (Fischer 1921), Madurai (Fischer 1957).

Pilea kingii Fischer in Kew Bull. 1927: 76. 1927 & in Gamble, Fl. Pres. Madras 3: 964. 1957 (repr. ed.). *P. wightii* Wedd. var. *macrophylla* Hook. f. Fl. Brit. India 5: 555. 1888.

A glabrous herb, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Pilea melastomoides (Poir.) Blume, Mus. Bot. Lugduno-Batavum 2 : 54. 1856. *Urtica melastomoides* Poir. in Lam. Encycl. Suppl. 4 : 223. 1816. *Pilea trinervia* (Roxb.) Wight, Ic. t. 1973. 1853; Hook. f. Fl. Brit. India 5 : 557. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 964. 1957 (repr. ed.). *Urtica trinervia* Roxb. Fl. Ind. 3 : 582. 1832.

A robust succulent herb, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (PCM), Tiruchchirappalli, Tirunelveli. E.

Pilea microphylla (L.) Liebm. in Kongel. Danske Vidensk. Selsk. Naturvidensk. Math. Afn. ser. 2. 5(2) : 296. 1851; Hook. f. Fl. Brit. India 5 : 551. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 965. 1957 (repr. ed.). *Parietaria microphylla* L. Sp. Pl. 1492. 1753. *Pilea muscosa* Lindl. Coll. Bot. t. 4. 1821; Hook. f. Fl. Brit. India 5 : 551. 1888.

A small succulent herb; the gun powder plant.

Distrib.: Almost all districts. E.

Pilea wightii Wedd. in Ann. Sci. Nat. Bot. ser. 4. 1 : 186. 1854; Hook. f. Fl. Brit. India 5 : 455. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 964. 1957 (repr. ed.). *P. radicans* Wight, Ic. t. 1974. 1853, non Wedd. 1852.

A flaccid herb, in evergreen forests.

Distrib.: Coimbatore (FRC), Madurai, Nilgiri, Tirunelveli.

Pouzolzia auriculata Wight, Ic. t. 1980. f. 2. & t. 2099. f. 37. 1853; Hook. f. Fl. Brit. India 5 : 582. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.).

A flaccid tall herb.

Distrib.: Almost all districts.

Pouzolzia bennettiana Wight, Ic. t. 1978. 1853, var. *bennettiana*; Hook. f. Fl. Brit. India 5 : 585. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.).

An erect variable herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli; Dharmapuri and South Arcot (Matthew 1981).

Pouzolzia bennettiana Wight var. *acuta* (Wight) Fischer in Gamble, Fl. Pres. Madras 1385. 1928 & 3 : 969. 1957 (repr. ed.). *P. acuta* Wight, Ic. t. 2092. f. 2. 1853.

An erect herb, stems sparsely pubescent upwards, in moist sholas.

Distrib.: Nilgiri.

Pouzolzia bennettiana Wight var. *gardneri* (Wight) Hook. f. Fl. Brit. India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.). *P. gardneri* Wight, Ic. t. 2092. f. 5. 1853.

A decumbent, sparsely hairy shrub.

Distrib.: Madurai and Nilgiri (CAL).

Pouzolzia bennettiana Wight var. *macrophylla* Hook. f. Fl. Brit. India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore, Salem (Matthew 1981), Tirunelveli.

Pouzolzia bennettiana Wight var. *mysorensis* (Wight) Hook. f. Fl. Brit. India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 969. 1957 (repr. ed.). *P. mysorensis* Wight, Ic. t. 2092. f. 4. 1853 (excluding the magnified leaves).

A large herb.

Distrib.: Coimbatore, Nilgiri.

Pouzolzia bennettiana Wight var. *ovalifolia* (Wight) Hook. f. Fl. Brit. India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 969. 1957 (repr. ed.). *P. ovalifolia* Wight, Ic. t. 2092. f. 3. 1853.

A herb with prostrate stem.

Distrib.: Madurai, Nilgiri (Fischer 1957).

Pouzolzia bennettiana Wight var. *quadrialata* (Wight) Hook. f. Fl. Brit.

India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 969. 1957 (repr. ed.). *P. quadrialata* Wight, Ic. t. 2094. f. 12. 1853.

A herb, woody below.

Distrib.: Nilgiri.

Pouzolzia bennettiana Wight var. *tomentosa* (Wight) Hook. f. Fl. Brit. India 5 : 586. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.). *P. tomentosa* Wight, Ic. t. 2094. f. 11. 1853.

An erect, villously tomentose herb.

Distrib.: Madurai (Fischer 1957), Nilgiri, Tirunelveli.

Pouzolzia cymosa Wight, Ic. t. 1979. f. 2. 1853; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.). *P. auriculata* Wight var. *cymosa* (Wight) Hook. f. Fl. Brit. India 5 : 582. 1888.

A herb.

Distrib.: Coimbatore (Fischer 1957), Nilgiri, Salem, Tiruchchirappalli.

Pouzolzia hirta (Blume) Hassk. Cat. Bogor. 80. 1844; Hook. f. Fl. Brit. India 5 : 586. 1888. *Urtica hirta* Blume, Bijdr. 495. 1826.

A herb.

Distrib.: Coimbatore.

Pouzolzia meeboldii W.W. Smith & Ramaswami in Rec. Bot. Surv. India 6 : 40. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.).

An erect undershrub.

Distrib.: "Anamalais (Wight?)" Fischer 1957. R.

Pouzolzia pentandra (Roxb.) Benn. Pl. Jav. Rar. 1 : 64. t. 14. 1838; Wight, Ic. t. 2096. f. 20. 1853; Hook. f. Fl. Brit. India 5 : 583. 1888; Fischer in Gamble,

Fl. Pres. Madras 3 : 967. 1957 (repr. ed.). *Urtica pentandra* Roxb. Fl. Ind. 3 : 583. 1832.

An erect, rigid herb.

Distrib.: Coimbatore (Fischer 1957), Nilgiri, Tirunelveli. E.

Pouzolzia wightii Benn. Pl. Jav. Rar. 1 : 66. 1838, var. *wightii*; Wight, Ic. t. 2093. f. 8. 1853; Hook. f. Fl. Brit. India 5 : 584. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.).

A very variable, usually tall and robust herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli; "all districts" (Fischer 1957), E.

Pouzolzia wightii Benn. var. *caudata* (Benn.) Fischer in Gamble, Fl. Pres. Madras 1384. 1928 & 3 : 968. 1957 (repr. ed.). *P. caudata* Benn. Pl. Jav. Rar. 1 : 66. 1838; Wight, Ic. t. 2097. f. 27. 1853; Hook. f. Fl. Brit. India 5 : 585. 1888.

A tall and robust herb.

Distrib.: Coimbatore, Kanniyakumari (UCT), Nilgiri, Tirunelveli.

Pouzolzia wightii Benn. var. *lawsoniana* Fischer in Gamble, Fl. Pres. Madras 1384. 1928 & 3 : 968. 1957 (repr. ed.).

A tall and robust herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai; Nilgiri and Salem (Fischer 1957), Tirunelveli.

Pouzolzia wightii Benn. var. *nilghirensis* (Wight) Hook. f. Fl. Brit. India 5 : 584. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.). *P. nilghirensis* Wight, Ic. t. 2097. f. 26. 1853, "*nilghirensis*".

A herb, stem sparsely tomentose or scabrid.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram.

Pouzolzia wightii Benn. var. *scabra* (Wight) Fischer in Gamble, Fl. Pres. Madras 1384. 1928 & 3 : 968. 1957 (repr. ed.). *P. scabra* Wight, Ic. t. 2097. f. 29. 1853; Hook. f. Fl. Brit. India 5 : 584. 1888.

A tall scabrid herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram; Dharmapuri and Salem (Matthew 1981).

Pouzolzia wightii Benn. var. *wallichiana* Hook. f. Fl. Brit. India 5 : 584. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 968. 1957 (repr. ed.).

A tall herb.

Distrib.: Coimbatore (Fischer 1957), Nilgiri (Hook. f. 1888).

Pouzolzia zeylanica (L.) Bena. Pl. Jav. Rar. 1 : 67. 1838. *Parietaria zeylanica* L. Sp. Pl. 1052. 1753. *Pouzolzia indica* (L.) Gaudich, Voy. Uranie 12 : 503. 1830; Wight, Ic. t. 1980. f. 1. & 2100. f. 40. 1853; Hook. f. Fl. Brit. India 5 : 581. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 967. 1957 (repr. ed.). *Parietaria indica* L. Mant. Pl. 128. 1767.

Tamil: *Kallurki*.

A very variable, slender, erect or procumbent hirsute herb.

Distrib.: Almost all districts. E.

Procris crenata Robinson in Philipp. J. Sci. 5 : 507. 1911; Hara in Enum. Fl. Pl. Nepal 3 : 204. 1982. *P. wightiana* Wall. ex Wedd. Monog. Urtic. 336. 1856, nom. illeg.; Fischer in Gamble, Fl. Pres. Madras 3 : 963. 1957 (repr. ed.). *P. laevigata* sensu Hook. f. Fl. Brit. India 5 : 575. 1888, non Blume 1825-1826.

A succulent, branched herb, in ever-green forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Salem (Matthew 1981), Tirunelveli.

Urtica hyperborea Jacq. in Wedd. Monog. Urtic. 68. 1856; Hook. f. Fl. Brit. India 5 : 548. 1888.

A tufted undershrub.

Distrib.: Nilgiri. E.

Urtica parviflora Roxb. Fl. Ind. 3 : 581. 1832; Wight, Ic. t. 690. 1843; Hook. f. Fl. Brit. India 5 : 548. 1888.

A herb with copious stiff stinging hairs.

Distrib.: Nilgiri. E.

ULMACEAE

G.R. KUMARI

Aphananthe cuspidata (Blume) Planch. in DC. Prodr. 17 : 209. 1873; Soep. in Steenis, Fl. Males. ser. 1. 8 : 69. 1977. *Cyclostemon cuspidatum* Blume, Bijdr. 599. 1826. *Gironniera reticulata* Thw. Enum. Pl. Zeyl. 268. 1861; Bedd. Fl. Sylv. t. 313. 1873; Hook. f. Fl. Brit. India 5 : 486. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 944. 1957 (repr. ed.).

Tamil: *Koditani*.

A large tree with a buttressed base.

Distrib.: Nilgiri, Salem (Matthew 1981), South Arcot, Tiruchchirappalli, Tirunelveli. E.

Celtis philippensis Blanco var. *wightii* (Planch.) Soep. in Steenis, Fl. Males. ser. 1. 8 : 62. 1977. *C. wightii* Planch. in Ann. Sci. Nat. Bot. ser. 3. 10 : 307. 1848; Wight, Ic. t. 1969. 1853; Hook. f. Fl. Brit. India 5 : 483. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 944. 1957 (repr. ed.).

Tamil: *Vakkandi*.

A small tree in dry forests.

Distrib.: Almost all districts.

Celtis tetrandra Roxb. Fl. Ind. 2 : 63. 1832; Hook. f. Fl. Brit. India 5 : 482. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 944. 1957 (repr. ed.). *C. serotina* Planch. in Ann. Sci. Nat. Bot. ser. 3. 10 : 301. 1848; Wight, Ic. t. 1570. 1850.

Tamil: *Kuviya, Ada, Kona.*

A handsome medium-sized tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981). E.

Celtis timorensis Spanoghe in Linnæa 15 : 343. 1841; Soep. in Steenis, Fl. Males. ser. 1. 8 : 65. 1977. *C. cinnamomea* Lindl. ex Planch. in Ann. Sci. Nat. Bot. ser. 3. 10 : 303. 1848; Hook. f. Fl. Brit. India 5 : 482. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 944. 1957 (repr. ed.). *C. trinervia* Bedd. Fl. Sylv. t. 312. 1873, non Roxb. 1824.

Tamil: *Kalluviri, Pinari, Kodalmuriki.*
A small tree.

Distrib.: Almost all forest districts. E.

Holoptelea integrifolia (Roxb.) Planch. in Ann. Sci. Nat. Bot. ser. 3. 10 : 259. 1848; Wight, Ic. t. 1968. 1853; Hook. f. Fl. Brit. India 5 : 481. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 943. 1957 (repr. ed.). *Ulmus integrifolius* Roxb. Pl. Cor. t. 78. 1798.

Tamil: *Aya, Ayil, Tambachi.*

A large deciduous tree.

Distrib.: In most districts.

Trema orientalis (L.) Blume, Mus. Bot. Lugduno Batavum 2 : 62. 1856; Hook. f. Fl. Brit. India 5 : 484. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 945. 1957 (repr. ed.). *Celtis orientalis* L. Sp. Pl. 1044. 1753; Wight, Ic. t. 602 & 603. 1842.

Tamil: *Ambaratthi, Oman, Nudalei.*

A small tree in dry and evergreen forests.

Distrib.: Almost all districts. E.

CANNABACEAE

G.R. KUMARI

Cannabis sativa L. Sp. Pl. 1027. 1753; Hook. f. Fl. Brit. India 5 : 487. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 945. 1957 (repr. ed.).

Tamil: *Ganja-chedi, Bangi.*

A large aromatic herb, the hemp plant occasionally cultivated. E.

MORACEAE

V. CHITHRA

Antiaris toxicaria (Pers.) Lesch. in Ann. Mus. Hist. Nat. 16 : 478. t. 22. 1810; Hook. Companion Bot. Mag. 1 : 11. t. 17. 1835; Hook. f. Fl. Brit. India 5 : 537. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 957. 1957 (repr. ed.). *Ipo toxicaria* Pers. Syn. 2 : 566. 1807.

Tamil: *Aranthelli, Mara-uri, Nettavil.*

A lofty tree with buttressed base, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921). E.

Artocarpus communis Forst. Char. Gen. 101. tt. 51 & 51a. 1776; King in Hook. f. Fl. Brit. India 5 : 539. 1888; Jarrett in J. Arnold Arbor. 40 : 307. 1959.

Tamil: *Seemapala, Era-plā, Rottipalaa.*

A small evergreen tree, cultivated; the bread fruit.

Artocarpus gomezianus Wall. ex Trec. subsp. *zeylanicus* Jarrett in J. Arnold Arbor. 41 : 90. 1960. *A. lakoocha* auct. non Roxb. 1832; King in Hook. f. Fl. Brit. India 5 : 543. 1888 p.p.; Fischer in Gamble, Fl. Pres. Madras 3 : 958. 1957 (repr. ed.).

A tall tree in evergreen forests, also planted; the monkey Jack. E.

Artocarpus heterophyllus Lam. Encycl. 3 : 210. 1789, "*heterophylla*"; Jarrett in J. Arnold Arbor. 40 : 334. 1959. *A. integrifolia* auct. non L. f. 1781; Wight, Ic. t. 678. 1840; King in Hook. f. Fl. Brit. India 5 : 541. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 957. 1957 (repr. ed.).

Tamil: *Palamaram*.

A large tree in evergreen forests, also cultivated; the Jack tree. E.

Artocarpus hirsutus Lam. Encycl. 3 : 210. 1789, "*hirsuta*"; Wight, Ic. t. 1957. 1853; King in Hook. f. Fl. Brit. India 5 : 541. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 957. 1957 (repr. ed.).

Tamil: *Anjili*, *Kattuppala*.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E

Artocarpus lacucha Roxb. ex Buch.-Ham. in Mem. Wern. Nat. Hist. Soc. 5 : 333. 1826; Wight, Ic. t. 681. 1840, "*lakoocha*"; King in Hook. f. Fl. Brit. India 5 : 543. 1888 p.p., "*lakoocha*"; Fischer in Gamble, Fl. Pres. Madras 3 : 958. 1957 (repr. ed.) p.p.

Tamil: *Irappala*. E.

A large deciduous tree in hill forests; also cultivated. E.

Broussonetia papyrifera Vent. Tabl. Regn. Veget. 3 : 548. 1799; Hook. f. Fl. Brit. India 5 : 490. 1888.

A tall tree with long cylindrical male spikes; bark dull green with prominent lenticels, planted. E.

Cudrania cochinchinensis (Lour.) Kudo & Masamune in Annual Rep. Taihoku Bot. Gard. 2 : 27. 1932. *Vanieria cochinchinensis* Lour. Fl. Cochinch. 2 : 565. 1790. *Cudrania javanensis* Trec. in Ann.

Sci. Nat. Bot. ser. 3. 8 : 123. t. 3. ff. 76-85. 1847; Hook. f. Fl. Brit. India 5 : 538. 1888.

A straggling or subscandent shrub or small tree with drooping branchlets; cultivated. E.

Dorstenia indica Wall. ex Wight, Ic. t. 1964. 1853; Hook. f. Fl. Brit. India 5 : 494. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 958. 1957 (repr. ed.).

A succulent herb, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Fischer 1957), Tirunelveli.

Ficus albipila (Miq.) King in Ann. Roy. Bot. Gard. (Calcutta) 2 : 179. 1888; Rani in J. Bombay Nat. Hist. Soc. 82 : 235. 1985. *Covellia albipila* Miq. Fl. Ind. Bat. Suppl. 175, 435. 1861.

A tree; leaves greenish above, ferruginous below when young.

Distrib.: Salem and Tiruchchirappalli (Rani 1985).

Ficus amplissima J. E. Smith in Rees, Cyclop. 14 : n. 1. 1810. *F. tsiela* Roxb. ex Buch.-Ham. in Trans. Linn. Soc. London 15 : 149. 1826; Wight, Ic. t. 668. 1840; King in Hook. f. Fl. Brit. India 5 : 515. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.).

Tamil: *Ichi*, *Kal-ichchi*.

A large spreading tree, often epiphytic when young; in deciduous and evergreen forests.

Distrib.: Almost all districts.

Ficus amplocarpa Govindarajulu & Masilamoney in Proc. Indian Acad. Sci. (Plant Sci.) 91 : 117. 1982. *F. macrocarpa* (Miq.) Wight ex King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 166. t. 208.

1888 & in Hook. f. Fl. Brit. India 5 : 534. 1888, non Blume 1825; Fyson, Fl. South Indian Hill St. 2 : t. 473. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.). *Pogonotrophe macrocarpa* Miq. in London J. Bot. 7 : 74. 1848; Wight, Ic. t. 1965. 1853. *Ficus ldevis* Blume var. *macrocarpa* (Miq.) Corner in Gard. Bull. Straits Settlements 18 : 7. 1960 [excl. *Covellia guttata* Wight and *Ficus guttata* (Wight) King] ff. IN, 2A-G.

A tall scandent tree.

Distrib.: Coimbatore, Madurai, Nilgiri; Dharmapuri, Salem and Tiruchchirappalli (Matthew 1981).

Ficus angladei Fischer in Kew Bull. 1925 : 332. 1925 & in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.).

A tree.

Distrib.: Madurai (Fischer 1957). O. R.

Ficus arnotiana (Miq.) Miq. in Ann. Mus. Bot. Lugduno-Batavum 3 : 287. 1867; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 56, tt. 68 & 84 V. 1887 & in Hook. f. Fl. Brit. India 5 : 513. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.). *Urostigma arnotiana* Miq. in London J. Bot. 6 : 564. 1847.

Tamil: *Kal-arasu, Kagoli, Kodi arasu*.

A small tree or large shrub, in rocky places of hills.

Distrib.: Almost all districts. E.

Ficus beddomes King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 26, tt. 24 & 81M. 1887 & in Hook. f. Fl. Brit. India 5 : 502. 1888; Fischer in Gamble, Fl. Pres. Madras 2 : 954. 1957 (repr. ed.).

A large tree, often epiphytic when young, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Salem (FRC), Tirunelveli (Fischer 1957).

Ficus benghalensis L. Sp. Pl. 1059. 1753, var. *benghalensis*; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 18, tt. 13 & 81 C. 1887 & in Hook. f. Fl. Brit. India 5 : 499. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 952. 1957 (repr. ed.). *Urostigma benghalense* (L.) Gasp. Nov. Gen. Fici 7. 1844; Wight, Ic. t. 1989. 1853.

Tamil: *Aal, Per-al, Ichchi*.

A huge tree, in deciduous and semi-evergreen forests; also cultivated; the banyan tree.

Distrib.: All districts. E.

Ficus benghalensis L. var. *krishnae* C. DC. in Bull. Herb. Boissier 760. 1902; Curtis, Bot. Mag. t. 8092. 1906; Biswas in Curr. Sci. 3 : 424, ff. 1-3. 1935.

A small tree; the side of the leaf-lamina in its lower half reflexed and connate to form a cup; "Krishna's cup", cultivated. E.

Ficus benjamina L. Mant. Pl. 129. 1767, var. *benjamina*; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 43, t. 52. 1987 & in Hook. f. Fl. Brit. India 5 : 508. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 956. 1957 (repr. ed.).

Tamil: *Malai-ichchi, Ponichchi*.

A large tree, often planted in avenues; the Java Fig.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore (Fischer 1921), Dharmapuri, Nilgiri (CAL), Tiruchchirappalli (RHT).

Ficus benjamina L. var. *nuda* (Miq.) Barrett in Amer. Midl. Naturalist 45 : 127. 1951. *Urostigma nudum* Miq. in London J. Bot. 6 : 584. 1847. *U. benjamineum* (L.) Miq. var. *nudum* (Miq.) Miq. Pl. Jungh. 50. 1851. *Ficus comosa* Roxb. Pl. Cor. t. 125. 1799; Wight, Ic. t. 658. 1840; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.). *F. benjaming*

L. var. comosa (Roxb.) Kurz, For. Fl. Burma 2 : 446. 1877; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 44. t. 52 B. 1887 & in Hook. f. Fl. Brit. India 5 : 508. 1888.

A large tree, cultivated. E.

Ficus callosa Willd. in Mem. Acad. Roy. Sci. Hist. (Berlin) 102. 1798; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 64. tt. 84 V2 & 85. 1887 & in Hook. f. Fl. Brit. India 5 : 516. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.).

Tamil: *Koli-aal*.

A large tree, in evergreen and secondary forests.

Distrib.: Nilgiri, Tirunelveli.

Ficus carica L. Sp. Pl. 1059. 1753.

Tamil: *Simaiyatti*.

A deciduous spreading shrub or small tree; cultivated for edible fruits. E.

Ficus dalhousiae Miq. in London J. Bot. 4 : 571. 1845; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : tt. 11 & 81A. 1887 & in Hook. f. Fl. Brit. India 5 : 499. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.).

Tamil: *Pei-aal*, *Kal-aal*.

A small tree, usually in rocky ravines.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Ficus drupacea Thunb. var. *pubescens* (Roth) Corner in Gard. Bull. Straits Settlement. 17 : 381. 1960 & 21 : 13. 1965. *F. mysorensis* Heyne ex Roth var. *pubescens* Roth in Roem. & Schultes, Syst. 1 : 508. 1817. *F. mysorensis* Heyne ex Roth in Roem. & Schultes, Syst. 1 : 508. 1817; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 19. tt. 14 & 81 D. 1887 &

in Hook. f. Fl. Brit. India 5 : 500. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 952. 1957 (repr. ed.).

Tamil: *Kal-aal*.

A large tree, in moderately wet forests; occasionally epiphytic.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem (FRC), Tiruchchirappalli (RHT). E.

Ficus elastica Roxb. ex Hornem. Hort. Hafn. Suppl. 7. 1819; Wight, Ic. t. 663. 1840; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 45. t. 54. 1887 & in Hook. f. Fl. Brit. India 5 : 508. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 956. 1957 (repr. ed.).

A large evergreen tree, planted; Indian Rubber tree. E.

Ficus exasperata Vahl, Enum. Pl. 2 : 197. 1806. *F. asperrima* Roxb. Fl. Ind. 3 : 554. 1832; Wight, Ic. t. 633. 1840; King in Hook. f. Fl. Brit. India 5 : 522. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.).

Tamil: *Irambarattam*, *Maramthinni-atthi*.

A small or medium-sized tree, in hilly tracts.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Ficus geniculata Kurz in J. Asiat. Soc. Bengal 42 : 105. 1873 & For. Fl. Burma 2 : 447. 1877; King in Hook. f. Fl. Brit. India 5 : 516. 1888; Corner in Gard. Bull. Straits Settlement. 21 : 8. 1965.

A large tree.

Distrib.: "Madras" (Corner 1965).

Ficus glaberrima Blume var. *bracteata* Corner in Gard. Bull. Straits Settlement.

17 : 388. 1959 (1960). *F. travancorica* King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 28. tt. 26 & 820. 1887 & in Hook. f. Fl. Brit. India 5 : 503. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.).

A straggling or scandent shrub, in evergreen forests.

Distrib.: Coimbatore (Fischer 1957).

Ficus guttata (Wight) Kurz ex King in Ann. Roy. Bot. Gard. (Calcutta) 1 : t. 209. 1888 & in Hook. f. Fl. Brit. India 5 : 534. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.); Govindarajulu & Masilamoney in Proc. Indian Acad. Sci. (Plant Sci.) 91 : 118. 1982. *Covellia guttata* Wight, Ic. t. 1966. 1853.

A tall scandent tree.

Distrib.: Coimbatore, Madurai, Nilgiri.

Ficus heterophylla L. f. Suppl. Pl. 442. 1781; Wight, Ic. t. 659. 1840; King in Ann. Roy. Bot. Gard. (Calcutta) 2 : 75. t. 94. 1888 & in Hook. f. Fl. Brit. India 5 : 518. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.).

Tamil: *Kodi-atthi*.

A weak variable shrub, usually near water courses.

Distrib.: Coimbatore, Dharmapuri, Tiruchchirappalli (RHT), Tirunelveli; "in all districts" (Fischer 1957).

Ficus hispida L. f. Suppl. Pl. 442. 1781; King in Ann. Roy. Bot. Gard. (Calcutta) 2 : 116. tt. 154 & 155. 1888 & in Hook. f. Fl. Brit. India 5 : 522. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 956. 1957 (repr. ed.). *F. oppositifolia* Roxb. Pl. Cor. t. 124. 1799; Wight, Ic. t. 638. 1840.

Tamil: *Peyatthi*, *Chona-atthi*.

A shrub or small tree, in evergreen forests.

Distrib.: All districts. E.

Ficus hookeriana Corner in Gard. Bull. Straits Settlem. 17 : 378. 1959 (1960). *F. hookeri* Miq. in Ann. Mus. Bot. Lugduno Batavum 3 : 215, 286. 1867, non Sweet 1827; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 36. tt. 42 & 82 Z3. 1887 & in Hook. f. Fl. Brit. India 5 : 505. 1888.

A large tree with spreading branches.

Distrib.: Nilgiri (FRC).

Ficus microcarpa L. f. Suppl. Pl. 442. 1781. *F. retusa* auct. non L. 1767; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 50. tt. 61 & 84 P. 1887 & in Hook. f. Fl. Brit. India 5 : 511. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 952. 1957 (repr. ed.). *F. retusa* var. *nitida* auct. non Thunb. 1781-1801; Hook. f. Fl. Brit. India 5 : 511. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 952. 1957 (repr. ed.).

A large evergreen tree.

Distrib.: Almost all districts. E.

Ficus mollis Vahl, Symb. Bot. 1 : 82. 1790. *F. tomentosa* Roxb. ex Willd. Sp. Pl. 4 : 1136. 1806; Wight, Ic. t. 647. 1840; King in Hook. f. Fl. Brit. India 5 : 501. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 952. 1957 (repr. ed.).

Tamil: *Ichchi*, *Kal-ichchi*, *Kaattarasu*.

A fairly large tree, common in dry rocky places, often epiphytic.

Distrib.: All districts.

Ficus nervosa Heyne ex Roth in Roem. & Schultes, Syst. 1 : 513. 1817, var. *nervosa*; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 53. t. 65. 1887 & in Hook. f. Fl. Brit. India 5 : 512. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.). *F. angustifolia* Roxb. Fl. Ind. 3 : 554. 1832; Wight, Ic. t. 660. 1840.

Tamil: *Neer-aal*.

A medium-sized or large tree, common near streams.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981), Tirunelveli.

Ficus nervosa Roth var. **minor** King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 53. 1887 & in Hook. f. Fl. Brit. India 5 : 512. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.).

A medium-sized or large tree.

Distrib.: "Madras" (Corner 1977), Nilgiri (CAL).

Ficus pumila L. Sp. Pl. 1060. 1753; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 124. t. 158. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 956. 1957 (repr. ed.).

An evergreen, polymorphous extensive climber, grown ornamentally on walls. **E**.

Ficus racemosa L. Sp. Pl. 1060. 1753. *F. glomerata* Roxb. Pl. Cor. t. 123. 1799; Wight, Ic. t. 667. 1840; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 173. t. 218 A. 1888 & in Hook. f. Fl. Brit. India 5 : 535. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 954. 1957 (repr. ed.).

Tamil: *Atthi, Vellaiatthi*.

A large deciduous tree.

Distrib.: Almost all districts. **E**.

Ficus religiosa L. Sp. Pl. 1059. 1753; Bedd. Fl. Sylv. t. 314. 1873; King in Hook. f. Fl. Brit. India 5 : 513. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.).

Tamil: *Arasu*.

A large tree, often epiphytic when young; also cultivated; the Pipul tree.

Distrib.: All districts. **E**.

Ficus semicordata Buch.-Ham. ex J. E. Smith in Rees, Cyclop. 14 : n. 71.

1810. *F. cunia* Buch.-Ham. ex Roxb. Fl. Ind. 3 : 561. 1832; Wight, Ic. t. 648. 1840; King in Hook. f. Fl. Brit. India 5 : 523. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 956. 1957 (repr. ed.).

Tamil: *Taragadi*.

A small or medium-sized tree, probably cultivated.

Ficus talbotii King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 51. tt. 63 & 84. 1887 & in Hook. f. Fl. Brit. India 5 : 512. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.).

Tamil: *Itthi, Kal-itthi*.

A large, evergreen tree, usually epiphytic when young.

Distrib.: Madurai, Nilgiri; Dharmapuri and Salem (Matthew 1981).

Ficus tinctoria Forst. f. subsp. **gibbosa** (Blume) Corner var. **cuspidifera** (Miq.) Chithra comb. nov. *F. cuspidifera* Miq. in London J. Bot. 7 : 434. 1848; King in Hook. f. Fl. Brit. India 5 : 497. 1888. *F. gibbosa* Blume var. *cuspidifera* (Miq.) King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 6. t. 2A. 1887; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.).

An erect tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Ficus tinctoria Forst. f. subsp. **parasitica** (Willd.) Corner in Gard. Bull. Straits Settlement. 17 : 476. 1960, var. **parasitica**. *F. parasitica* Koen. ex Willd. in Mem. Acad. Roy. Sci. Hist. (Berlin) 2 : 102. t. 3. 1798; King in Hook. f. Fl. Brit. India 5 : 497. 1888. *F. gibbosa* Blume var. *parasitica* (Koen. ex Willd.) King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 6. t. 2 bA. 1887; Fischer in Gamble, Fl. Pres. Madras 3 : 955. 1957 (repr. ed.).

Tamil: *Kaliatthi*.

A large tree, usually epiphytic when young.

Distrib.: All districts.

Ficus tsjahela Burm. f. Fl. Ind. 227. 1768; King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 57. tt. 70 & 84 X. 1887 & in Hook. f. Fl. Brit. India 5 : 514. 1888, "tjakela"; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.).

Tamil: *Kal-aal*.

A large tree.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Kanniyakumari, Nilgiri, Salem, South Arcot, Tirunelveli. E.

Ficus virens Ait. Hort. Kew. ed. 1. 3 : 451. 1789, var. *virens*. *F. infectoria* sensu Roxb. Fl. Ind. 3 : 551. 1832, non Willd. 1806; Wight, Ic. t. 665. 1840; King in Hook. f. Fl. Brit. India 5 : 515. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.).

Tamil: *Malai-ichehi*, *Kurugatti*.

A large deciduous tree.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem, South Arcot, Tiruchchirappalli (Matthew 1981); "in all districts" (Fischer 1957). E.

Ficus virens Ait. var. *lambertiana* (Miq.) Raizada in Indian Forester 94 : 443. 1968. *Urostigma lambertiana* Miq. in London J. Bot. 6 : 565. 1847. *Ficus infectoria* Roxb. var. *lambertiana* (Miq.) King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 63. t. 76. 1887; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.). *F. lambertiana* (Miq.) Miq. in Ann. Mus. Bot. Lugduno Batavum 3 : 286. 1867; King in Hook. f. Fl. Brit. India 5 : 516. 1888.

A large tree.

Distrib.: Coimbatore, Kanniyakumari (UCT), Madurai, Nilgiri, Tirunelveli. E.

Ficus virens Ait. var. *wightiana* (Miq.) Chithra comb. nov. *Urostigma wightianum* Miq. in London J. Bot. 6 : 566. 1847. *Ficus infectoria* Roxb. var. *wightiana* (Miq.) King in Ann. Roy. Bot. Gard. (Calcutta) 1 : 63. t. 77. 1887; Fischer in Gamble, Fl. Pres. Madras 3 : 953. 1957 (repr. ed.). *F. wightiana* (Miq.) Wall. ex Miq. in Ann. Mus. Bot. Lugduno Batavum 3 : 286. 1867; King in Hook. f. Fl. Brit. India 5 : 516. 1888.

A large tree.

Distrib.: Chengalpatru, Coimbatore, Madurai, Nilgiri, Tirunelveli.

Morus alba L. Sp. Pl. 986. 1753; Hook. f. Fl. Brit. India 5 : 492. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 958. 1957 (repr. ed.).

Tamil: *Musukotta*, *Kamblichedi*.

A shrub or bushy tree, cultivated; mulberry tree. E.

Morus australis Poit. in Lam. Encycl. 4 : 380. 1797. *M. indica* auct. non L. 1753; Hook. f. Fl. Brit. India 5 : 492. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 958. 1957 (repr. ed.).

Tamil: *Kambali chedi*.

A shrub, cultivated. E.

Morus nigra L. Sp. Pl. 986. 1753.

A tree, cultivated.

Plecospermum spinosum Trec. in Ann. Sci. Nat. Bot. ser. 3. 8 : 124. t. 4. ff. 121-126. 1847; Wight, Ic. t. 1963. 1853; Hook. f. Fl. Brit. India 5 : 491. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 947. 1957 (repr. ed.).

A large rambling shrub, often climbing by means of its thorns.

Distrib.: All districts. E.

Streblus asper Lour. Fl. Cochinch. 2 : 615. 1790; Hook. f. Fl. Brit. India 5 :

489. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 947. 1957 (repr. ed.). *Epicarpurus orientalis* Blume, Bijdr. 488. 1825; Wight, Ic. t. 1961. 1853.

Tamil: *Pirasu, Kurripila*.

A lactiferous evergreen tree.

Distrib.: Almost all districts. E.

Streblus taxoides (Heyne ex Roth) Kurz, For. Fl. Burma 2 : 465. 1877. *Trophis taxoides* Heyne ex Roth, Nov. Pl. Sp. 368. 1821. *Phyllochlamys spinosa* (Roxb.) Bureau in DC. Prodr. 17 : 218. 1873; Hook. f. Fl. Brit. India 5 : 488. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 946. 1957 (repr. ed.). *Trophis spinosa* Roxb. Fl. Ind. 3 : 762. 1832.

Tamil: *Kurunthaara chedi, Kattaari*.

A small evergreen tree or large shrub.

Distrib.: Madurai, Tirunelveli; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981). E.

CASUARINACEAE

G.R. KUMARI

Casuarina glauca Sieber. ex A.DC. in DC. Prodr. 16(2) : 334. 1868; Fischer in Gamble, Fl. Pres. Madras 3 : 972. 1957 (repr. ed.).

An erect tall tree, grown in hills.

Casuarina litorea L. Diss. Stickman 12. 1754, "*Casaarina*". *C. equisetifolia* L. Amoen. Acad. 4:143. 1759, "*equisetifolia*"; Hook. f. Fl. Brit. India 5 : 598. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 972. 1957 (repr. ed.).

Tamil: *Chauku, Chavuku, Sivavarsi*.

An erect tall tree, extensively planted on the sea-shore sands and to a certain extent inland. E.

Casuarina stricta Dryand. in Ait. Hort. Kew. ed. 1. 3 : 320. 1789. *C. quadrivalvis*

Labill. Nov. Holl. Pl. 2 : 67. t. 218. 1806; Fischer in Gamble, Fl. Pres. Madras 3 : 972. 1957 (repr. ed.).

A tree with erect branches, grown in hill gardens.

Casuarina suberosa Otto & Dietr. Allg. Gartenz. 155. 1841; Fischer in Gamble, Fl. Pres. Madras 3 : 972. 1957 (repr. ed.).

Tamil: *Kuthiraval chavukku*.

A branched dioecious tree, planted in hills.

Casuarina torulosa Ait. Hort. Kew. ed. 1. 3 : 320. 1789.

A branched, dioecious tree, grown in gardens.

BETULACEAE

G.R. KUMARI

Alnus nepalensis D. Don, Prodr. Fl. Nep. 58. 1825; Wall. Pl. Asiat. Rar. 2 : 27. t. 131. 1830-1831; Hook. f. Fl. Brit. India 5 : 600. 1888.

A deciduous tree, grown in hills. E.

Betula alnoides Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 58. 1825; Brandis, For. Fl. 458. t. 56. 1874; Hook. f. Fl. Brit. India 5 : 599. 1888.

A lofty tree, grown in hills. E.

FAGACEAE

G.R. KUMARI

Castanea crenata Sieb. & Zucc. in Abh. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. 4 : 324. 1846.

A shrub or tree, cultivated in gardens.

Castanea sativa Mill. Gard. Dict. ed. 8. n. 1. 1768. *Fagus castanea* L. Sp. Pl. 997. 1753.

A spreading, monoecious, deciduous tree, cultivated in gardens in hills. E.

Castanopsis indica (Roxb.) DC. in J. Bot. 1 : 182. 1863; Hook. f. Fl. Brit. India 5 : 620. 1888. *Castanea indica* Roxb. Fl. Ind. 3 : 643. 1832; Wight, Ic. t. 417. 1840.

A monoecious, deciduous tree, cultivated in gardens. E.

Castanopsis roxburghiana S.N. Biswas in Bull. Bot. Surv. India 11 : 189. 1969 (1971). *Quercus lanceaefolia* Roxb. Fl. Ind. 3 : 634. 1832, non Schlecht. & Cham. 1830; Wight, Ic. t. 212. 1839; Hook. f. Fl. Brit. India 5 : 616. 1888.

A small or large tree, cultivated in hills.

Fagus sylvatica L. Sp. Pl. 998. 1753, var. *sylvatica*.

A monoecious, deciduous tree with spreading branches; cultivated. E.

Fagus sylvatica L. var. *cuprea* Loud. Arb. Brit. 3 : 1951. 1838.

Cultivated for its coppery foliage. E.

Quercus baloot Griff. Itin. Notes 328. 1848; Menitsky in Rechinger, Fl. Iranica 77 : 15. 1971. *Q. ilex sensu* Hook. f. Fl. Brit. India 5 : 602. 1888, non L. 1753.

A densely leafy, monoecious evergreen tree with rounded crown, cultivated in hills. E.

Quercus coccifera L. Sp. Pl. 995. 1753. Cultivated in hills. E.

Quercus leucotrichophora A. Camus ex Bahadur in Indian Forester 101 : 101. 1975. *Q. incana* Roxb. Fl. Ind. 3 : 642. 1832, non Bartram 1791; Hook. f. Fl. Brit. India 5 : 603. 1888.

A monoecious evergreen tree; young shoots hoary tomentose; bark deeply fissured, grey to greyish brown; cultivated.

Quercus robur L. Sp. Pl. 996. 1753.

A monoecious, deciduous tree with broad crown, grown in gardens. E.

Quercus serrata Thunb. Fl. Jap. 176. 1784; Hook. f. Fl. Brit. India 5 : 601. 1888.

A deciduous tree of moderate size, cultivated. E.

SALICACEAE

G.R. KUMARI

Salix babylonica L. Sp. Pl. 1017. 1753; Brandis, For. Fl. 465. t. 59. 1874; Hook. f. Fl. Brit. India 5 : 629. 1888.

A large tree with weeping branches; cultivated. E.

Salix tetrasperma Roxb. Pl. Cor. t. 97. 1798; Wight, Ic. t. 1954. 1853; Hook. f. Fl. Brit. India 5 : 626. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 973. 1957 (repr. ed.).

Tamil: *Vanji, Nirvanji, Atrupalai*.

A small or fairly large tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli; Dharmapuri, Salem and South Arcot (Matthew 1981).

CERATOPHYLLACEAE

S.R. SRINIVASAN

Ceratophyllum demersum L. Sp. Pl. 992. 1753; Gaertn. Fruct. 1 : t. 44. 1788; Hook. f. Fl. Brit. India 5 : 639. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 973. 1957 (repr. ed.).

A fragile alga-like herb, in still water. Perhaps a very variable species; several infraspecific taxa are recognised (Wilmot-Deer in Kew Bull. 40 : 257. 1985).

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Tirunelveli. E.

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