



Flora of **TAMILNADU** INDIA

SERIES I: ANALYSIS

VOLUME ONE

N.C. NAIR & A.N. HENRY



GOVERNMENT OF INDIA

FLORA OF TAMIL NADU

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Series I: Analysis

(IN THREE VOLUMES)

VOLUME ONE

N. C. NAIR & A. N. HENRY

Assisted By

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(Department of Environment)

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FOREWORD

The Botanical Survey of India has undertaken preparation of the Flora of India under different series such as the *Fascicles of Flora of India* containing revisionary accounts of families on all India basis, *District Floras*, and certain regional floras. It is also preparing *State Flora Analysis*, which will be annotated enumerations of flowering plants of certain selected States which are unexplored, underexplored or otherwise botanically interesting. One such work was undertaken for the State of Tamil Nadu.

This State Flora Analysis of Tamil Nadu, has been prepared at great labour by a number of scientific workers in the Southern Circle of the Botanical Survey of India at Coimbatore, under the leadership of Dr. N. C. Nair, Joint Director. The work covers a large part of the southern region of Peninsular India, having a variety of climatic conditions. The area has a vast coastal line in south and east, and mountain ranges in the west as well as in northwest. It includes some of the botanically very rich and interesting areas of the country including spots which are well-known for endemism and for evolution of new taxa.

No concise account of the plants of this region is available after the publications of early 20th century, like works of Gamble, Fischer and Fyson, and hence the work should prove as a handy reference book for understanding the plants growing in the region, their correct names, synonyms connecting with classical works, general distribution and their rarity or endemism. The latter information should create interest in studies on conservation of such taxa either by conservation of their habitat or by growing them in botanical gardens or other germ-plasm collections.

The nomenclature of all the taxa has been checked with the latest available literature. The taxonomy has also been scrutinized to a reasonably accurate degree. Of course, most of the families and genera covered in this work have not yet been subjected to critical taxonomic revisions in the country and future studies might bring out new taxa or result in certain synonymies, but it is believed that of to-day, the authors have done their best to present the taxonomy as well as the nomenclature quite accurate.

Absence of keys in this work will naturally be felt by all those who would like to identify plants with the help of this work; the work is really not meant for that purpose. It is only a census of plants known to occur in the region and whose occurrence has, as far as possible, been verified in the field, herbarium and from literature.

This work should help the foresters and the agriculturists for reference in several of their research and management programmes in the area. The work shall certainly help in the preparation of a modern flora of the area.

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PREFACE

The *Flora of Tamil Nadu* has been under preparation by the Southern Circle of the Botanical Survey of India since 1978. It is proposed to bring out the Analysis of the vascular flora in 3 volumes under Series I, followed by the Systematic Treatment under Series II.

During the 50 years that have elapsed since the publication of *Flora of the Presidency of Madras* by Gamble (and Fischer), our knowledge of Botany of the area has largely increased. Several botanists have studied the flora of Tamil Nadu and have been able to discover many taxa new to Science and also several new records. The progress of botanical exploration in the unexplored and underexplored areas of this State for floristic studies has been speeded up by the establishment of the Southern Circle of the Botanical Survey of India, at Coimbatore in the year 1955, and many new taxa have been described and several new records for the State have been made. Many rare and endangered species were also discovered from the State after a lapse of several decades; descriptions of many imperfectly known taxa were also provided. The nomenclature of the plants has been brought up-to-date in this Series by strict adherence to the *International Code of Botanical Nomenclature* (1978); further every attempt was made to check the identity of plants, and to evaluate the correct circumscription and taxonomic status of the taxa concerned based on recent revisions/monographs. Some of these aspects will be dealt with in detail in the Systematic Treatment of the Flora.

In the present volume about 2000 angiospermic taxa are analysed. The Plan of the Analysis is given after the Introductory Chapter.

This treatise, we are sure, will provide accurate and adequate data for a revision of the flora of India. Further, to have a detailed knowledge of the plant wealth of the country floras of the States/regions should be prepared. It is hoped that the Analysis, first of its kind for any State in India, under the Flora of India Series, will be of real service to the scientific community as well as to the practical plant users who are getting more and more interested in the flora and plant resources of the country.

N. C. NAIR and A. N. HENRY

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INTRODUCTION

N. C. NAIR and K. VIVEKANANTHAN

LOCATION

Tamil Nadu (the land of Tamils) was carved out of the erstwhile Presidency of Madras so as to include the predominantly Tamil-speaking areas. Until 1969, it was known as Madras State. Madras is the capital of Tamil Nadu. The State lies between $8^{\circ}5'$ and $13^{\circ}35'$ N and $76^{\circ}15'$ and $80^{\circ}20'$ E situated on the eastern part of the southernmost tip of Indian Peninsula. It is bounded on the north by Karnataka and Andhra Pradesh, on the east by the Bay of Bengal, on the south by the Indian Ocean, on the south-west by the Arabian Sea and on the west by Kerala. The union territory of Pondicherry (including Karaikal) is within the geographical region of the State. In India, Tamil Nadu is the eleventh largest State in land area and seventh largest in population. The State occupies 4.08 per cent of the total area of the country and covers an area of 1,30,069 sq km. It has a coast line of 990 km and a land boundary of 1,200 km. There are some islands in the Gulf of Manaar and Palk Strait. These are collectively known as Rameswaram and Krusadai group of islands. The chain of twenty coral islands namely Shingle, Krusadai, Pulliyasal, Pulli, Manali, Musal, Muli, Valai, Talairi, Appa, Balayamunai, Anaipar, Nalla Tanni, Shuli, Uppu Tanni, Kairya, Vilangu, Koswari, Van and Pandyan and several reefs, extend along the northern shore of the Gulf of Manaar. Some islands are separated from one another by short distance of shallow waters. During low tide it appears as if these constitute a single island. The State is now divided into the following 15 districts: Chengalpattu, Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Nilgiri, North Arcot, Periyar, Pudukkottai, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli and Tirunelveli.

Physiography and Topography: Tamil Nadu is bordered by the ramparts of Eastern and Western Ghats on the north-western and western sides, the Bay of Bengal on the eastern and Palk Strait and the Gulf of Manaar on the south-eastern sides. All these four sides will give roughly a rhomboidal appearance to the geographical area of the State, having the longer diagonal of it stretching from Pulicat lake in the north to Cape Comorin in the south, and the shorter diagonal from Gudalur in the west to Point Calimere in the east. The State can be broadly divided into two natural regions: 1. *The Eastern Coastal Plains:* It is a broad strip of plain country running parallel to the coast of Bay of Bengal and gradually rising from it. This can be subdivided into four parts: (a) Coromandel plains comprising Chengalpattu and North and South Arcot Districts; (b) the alluvial plains of Cauvery delta extending over Thanjavur and part of Tiruchchirappalli Districts; (c) the dry southern plains in Pudukkottai, Madurai, Ramanathapuram and Tirunelveli Districts and the area extending little beyond the Western Ghats in Kanniyakumari District; and (d) the inner plains of Dharmapuri, Salem, North Arcot and Madurai Districts. Along the coast, at places like Mahabalipuram, Mandapam and Cape Comorin outcrops of rocky head-lands are present, while there is a narrow belt of sand dunes which rises to about 10 m on the Tuticorin coast. Further south in Tirunelveli, red sand hills, locally known as 'teris' rise to 50 m above mean sea level. Typical coral-reefs occur at Panban islands—at the head of the Gulf of Manaar on the East Coast. 2. *The Hilly Western Parts:* It includes the districts of Coimbatore, Madurai, Nilgiri, Dharmapuri and Salem. The Eastern Ghats from Andhra Pradesh cut across the State in the north to meet the Nilgiri hills in the south while the Western

Ghats also known as Sahyadri hills, extend along the whole length of the state with varying distances (80 to 160 km) from the Arabian Sea. The Western Ghats have a rugged landmass and rolling topography with tropical evergreen, semi-evergreen and deciduous forests as well as savannahs intermixed with cultivated lands and settled areas in the valleys. From Kanniyakumari District towards north, the mountain becomes elevated higher and higher. The average height of this mountain system is 1220 m. It rises to 2,554 at Makurti, and 2,637 m at Doddabatta in Nilgiris. At the meeting place of Eastern and Western Ghats, the land is abruptly raised to 2000 m, thus forming a high plateau known as Nilgiri Plateau. A marked break in the Western Ghats (c. 25 km), the 'Palghat Gap' affords passage between Tamil Nadu and Kerala. The hill range which lies south of this gap is called Anamalais and Cardamom hills. The lofty Pulneys are an offshoot of Anamalais. Other prominent groups of hills are the Javadi, the Shevaroy, the Kalrayans and the Pachamalais. All these form a chain of low, flat-topped hills.

Rivers: The important rivers of the State are the Cauvery, the Ponnaiyar, the Palar, the Vaigai and the Tambaraparni. The non-perennial rivers are the Vellar, the Noyil, the Suruliyar, the Gandar, the Vajpar, the Valparai and the Varshal. All these rivers are rainfed; they originate from the Western Ghats and flow eastwards towards the Bay of Bengal. Cauvery is the biggest river of the State. Rising on Brahmagiri in Coorg (Karnataka State), it travels the entire breadth of Tamil Nadu and forms a large delta at its mouth in Thanjavur District making it the granary of Southern India. Tambaraparni also has deltaic deposits at its mouth. Some of the rivers have developed tidal creeks.

Lakes and lagoons: Along the coast, here and there, there are but a few lakes, lagoons and marshy lands. The Buckingham canal, which connects the river Krishna in Andhra Pradesh with Madras, passes through some of them. While 'the Veeranam lake' in South Arcot is

one of the biggest lakes in the State, Ramanathapuram District is often called 'The lake district'.

CLIMATE

Rainfall: The climate of Tamil Nadu in general is very warm and dry except the hill tops. The average annual rainfall varies from 640 to 1910 mm and is received from both north-east monsoon (Oct.-Dec.) and south-west monsoon (June-Sept.). The former is more active than the latter and the great importance of this monsoon sharply distinguishes the State from many other parts of the country. The districts of Chengalpattu, South Arcot, Thanjavur, Ramanathapuram and parts of Madurai and Tirunelveli depend mainly on north-east monsoon. The normal annual rainfall in the first three districts is between 1020 and 1140 mm whereas in others it is between 760 mm and 890 mm. The districts of North Arcot, Salem, Periyar and Coimbatore receive rains from both the monsoons and the annual rainfall varies between 760 mm and 1020 mm. Nilgiri receives a normal rainfall of 1520 to 1780 mm from both the monsoons with considerable rain from south-west monsoon. The situation in Anamalais is almost similar. The rapid decrease in rainfall from the coast to the interior of the land is striking. This is because the coastal areas are exposed to cyclones and subsequent rains.

Temperature: It is dependent upon latitude, altitude and distance from the sea. Typical of the southern situation, the range of annual temperature is small in the plains. Mostly it ranges from a January average of 22°C to a May average of about 40°C. The interior regions are warmer when compared to the coastal areas. The summer temperature may touch 45°C, and the minimum January temperature may be 18-20°C. The extreme highest value even in the coastal region of Madras sometimes goes up to 45°C and the lowest minimum value may go down to 13°C. The hilly regions of Anamalais, Nilgiri, Pulney and Tirunelveli enjoy a cooler climate. The highest maximum value is about 28°C in Udagamandalam and Kodaikanal,

the lowest minimum being around 2°C at Kodaikanal and -2°C at Udagamandalam. The average duration of dry period in Nilgiri is about one month whereas in Kodaikanal and neighbourhood there is no dry period. However, in most of the years the dry period lasts for 1-4 months at Kodaikanal and for 2-5 months at Udagamandalam.

Humidity: Throughout the year the coastal areas show higher relative humidity, 78 per cent being the average value. The interior plains have high humidity only during the rainy months and in dry months particularly in summer it is as low as 30 per cent at places. Vapour pressure is also low during January and February when winds of land origin prevail.

Wind: In general, the wind speed is maximum during April to August; it may exceed an average of 50 km per hour in the coastal areas. In the interior regions the average may be as low as 5 km per hour as is the case in Salem District. Wind speed is high when the monsoons are active. Occasionally, in November-December, cyclonic storms from the south of Bay of Bengal travel towards the coast bringing in high winds and heavy rainfall.

GEOLOGY AND MINERALS

Tamil Nadu along with other regions of the Deccan is one of the ancient land-masses of the world. The older rocks of the State belong to Precambrian period formed before the origin of life. The hilly regions consist of out-liers of the old crystalline rocks of the plateau with important mineral deposits in places. In many places on the hills, the formation consists of granitic gneiss. Charnokite or Nilgiri gneiss occurs on the Western Ghats. This gneiss is also a major component of Shevaroy, Nilgiri and Pulney hills. There are marine Cretaceous deposits near the coast at Ariyalur, Tiruchchirappalli and Utatur. Neyveli lignite and the Cuddalore sandstone series belong to Tertiary and bear plant and animal fossils. Parts of the Tertiary beds are covered by laterite. A major portion of the plains belongs to Peninsular gneiss complex.

The laterite of Salem is rich in hydrated alumina (bauxite). The largest magnesite deposit in India is on the Chalk hills between Salem and Shevaroy. Gypsum deposits are found in Chengalpattu, Coimbatore, Tiruchchirappalli and Tirunelveli Districts. Kanniyakumari and Tirunelveli Districts have ilmenite. Limestone deposits are met with in Ramanathapuram, Tiruchchirappalli and Tirunelveli Districts. Deposits of iron are seen in Salem.

SOILS

A long stretch of coastal sand forming dunes can be met with chiefly in Ramanathapuram District. Cauvery delta and the riverine beds in the plains have loamy river alluvial soils. In the various islands in the Gulf of Manaar and Palk Strait, the substratum is mostly coralline conglomerate or sandstone. These habitats favour the growth of marine algae. Major portion of the plains in the interior possesses either ferruginous sandy soil or ferruginous loam. The loamy soils are cultivated by applying inorganic and organic fertilizers. Black Cotton Soil is found from Tirunelveli to Coimbatore Districts and also in parts of Tiruchchirappalli, South Arcot, North Arcot and Dharmapuri Districts. It is distinctive for its shrinkage and cracking when dried. Red sterile soils are also common in the interior districts of Tiruchchirappalli and Pudukkottai. Red sandy soil is met with in Tirunelveli, Ramanathapuram and Madurai Districts. Deep red soil occurs from Kanniyakumari to Periyar Districts. The soil of Dharmapuri, Salem and North Arcot Districts is chiefly red loam. Laterite soil occurs in Nilgiris and Anamalais. The foot hills generally have skeletal soil with little humus. The soil on the hills at certain places is not deep and therefore have mostly shrubby vegetation. The Western Ghats have a rich soil, and the vegetation, therefore, is dense comprising moist evergreen, semi-evergreen and deciduous types.

VEGETATION

The vegetation of Tamil Nadu is very varied depending upon the climate, altitude and edaphic factors. It can be

broadly divided into four categories such as: A. Coastal vegetation, B. Island vegetation, C. Vegetation of the interior plains and D. Vegetation of the hills and mountains. The vegetation under each category dealt here is mostly according to Champion and Seth (1968) with the necessary modifications incorporating additional information. Besides, the riparian and aquatic vegetation, weeds and other established alien elements and the past history of the vegetation of the State are also discussed briefly.

A. Coastal Vegetation

T. A. Rao (1971, 1974) and T. A. Rao et al. (1975) have dealt with the coastal vegetation and flora of Tamil Nadu. The entire coast of Tamil Nadu stretching from the Pulicat lake in the north to the southern most point of India, Kanniyakumari, and on the west coast from Kanniyakumari to Poovar is chiefly sandy with outcrops of rocky headlands at Mahabalipuram, Mandapam and Cape Comorin (Kanniyakumari). There are also some tidal creeks and flats at the riverine mouths of which the Vellar and Cauvery complex are significant. At the mouths of the rivers and numerous creeks, extensive mud and saline flats with the formation of proestuarine vegetation is noticeable particularly at Pichavaram, Tuticorin and adjoining areas. Besides, there are coral reefs at Mandapam, Tuticorin and Kanniyakumari areas giving rise to hard substratum with high percentage of calcium carbonate making them a type of special habitat (T. A. Rao et al. 1975). The vegetation of coastal Tamil Nadu can be subdivided into 1. Strand and 2. Estuarine types (T. A. Rao & Sastry 1972, 1974; T. A. Rao et al. 1975), and 3. Coastal tropical dry evergreen forest types.

1. *Strand Vegetation*: Strand vegetation can be further classified into Strand sand, Strand rock and Strand coral types.

Strand sand: Strand sand vegetation has four zones (T. A. Rao et al. 1975). (i) Open pioneer zone in which *Cyperus arenarius*, *Giselia pharnaceoides*, *Glinus oppositifolius*, *Hydrophylax maritima*, *Ipomoea pes-caprae*, *Launaea sarmentosa*, *Polycarpaea corymbosa*, *Rothia indica*,

Sesuvium portulacastrum, *Spinifex littoreus*, *Tribulus terrestris*, etc. are common. (ii) Closed herbaceous zone in which *Alternanthera pungens*, *Atriplex repens*, *Blumea obliqua*, *Boerhavia diffusa*, *Borreria articularis*, *Chloris barbata*, *Croton bonplandianum*, *Euphorbia* spp., *Geniosporum tenuiflorum*, *Glinus oppositifolius*, *Heliotropium curassavicum*, *Leucas* spp., *Mollugo nudicaulis*, *Pennisetum pedicellatum*, *Setaria pumila*, *Trachys muricata*, *Vernonia cinerea*, etc. are commonly found. (iii) Middle mixed or bushy zone in which *Caesalpinia bonduc*, *Calotropis gigantea*, *Carissa spinarum*, *Cassia auriculata*, *Cissus quadrangularis*, *Clerodendrum inerme*, *Indigofera oblongifolia*, *Jatropha glandulifera*, *J. gossypifolia*, etc. are encountered. (iv) Inner woodland zone in which *Borassus flabellifer*, *Calophyllum inophyllum*, *Carissa spinarum*, *Drypetes sepiaria*, *Mimusops elengi*, *Pandanus fascicularis*, *Phoenix pusilla*, *Prosopis cineraria*, *Reissantia indica*, *Scutia myrtina*, *Thespesia populnea*, *Toddalia asiatica*, etc. are met with. At places *Anacardium occidentale*, *Casuarina equisetifolia* and *Cocos nucifera* are cultivated. This woodland zone almost approaches Carnatic umbrella thorn forests of Champion and Seth (1968).

Strand rock: The vegetation of strand rock can be classified into: (i) Exposed rocky low lying reefs: Here red, brown and green marine algae are common. The marine angiosperms present are *Cymodocea rotundata*, *C. serrulata*, *Enhalus acoroides*, *Halophila ovalis*, *H. stipulacea* and *Syringodium isoetifolium*. (ii) Rocky relief mostly with exposed laterite and rocky boulders with thin mantle of sand in crevices or weathered surfaces: This occurs at Kanniyakumari and its neighbourhood. *Atriplex repens*, *Boerhavia diffusa*, *Cenchrus ciliaris*, *Chloris virgata*, *Chlorophytum laxum*, *Cyperus pachyrrhizus*, *Halopyrum mucronatum*, *Indoneesiella echioides*, *Ipomoea asarifolia*, *Phyllanthus maderaspatensis*, *Scilla hyacinthina*, *Tridax procumbens*, etc. are found there. (iii) Less rocky to gravelly or sandy areas: *Aristolochia bracteolata*, *Atriplex repens*, *Cassia nigricans*, *Ipomoea pes-caprae*, *Launaea sarmentosa*, *Polycarpaea corymbosa*, *Portulaca quadrifida*, *P. pilosa*, *Urginea congesta*, etc. are the species

met with and (iv) Inner woodland zone: *Lantana camara* var. *aculeata*, *Lepisanthes terraphylla*, *Sapindus emarginatus*, etc. are common there.

Strand coral: Four zones can be distinguished in this. (i) Pioneer zone in which *Atriplex repens*, *Avicennia officinalis* and *Salicornia brachiata* are the common elements. (ii) Raised coral rocks with crannies in which *Halopyrum mucronatum*, *Polycarpaea spicata* and *Sporobolus tremulus* are the common species. (iii) Closed herbaceous zone in which *Eragrostis riparia*, *Fimbristylis cymosa*, *Scaevola plumieri*, *Sporobolus spicatus* and *S. virginicus* are common. (iv) Inner woodland zone: The plant groups found in this zone are similar to those of inner woodland zone described under 'Strand sand'

2. *Estuarine Vegetation*: Thirumalraj (1957, 1959), Thangam (1961) and Venkatesan (1966) classified this vegetation under the general term 'mangrove' following Schimper (1903). Champion and Seth (1968) designated it as tidal swamp forest, while T. A. Rao & Sastry (1974) described it as proestuarine, under estuarine vegetation. Typical estuarine vegetation, where indicator plants grow on a muddy relief which is under constant influence of tides and freshwater and showing a high degree of fidelity and good sociability within a shallow area under tidal influx or elevated dry niches bordering the estuarine water and land, is absent in Tamil Nadu. What is found in the Cauvery estuarine complex is a composite type of proestuarine vegetation covering an area of nearly 14.897 hectares comprising Chatram and Coleroon, Kille, Muthupet, Pichavarum and Talaignayar. Here, there is a vegetation mosaic responding to the nature of the relief and the ebb and flow of tides. Proestuarine vegetation can be divided into the following subtypes:

(i) Tidal mangroves: This is characterised by the abundantly and luxuriantly growing scrubs and tree species such as *Aegiceras corniculatum*, *Avicennia marina*, *A. officinalis*, *Ceriops decandra*, *Rhizophora apiculata* and *R. mucronata*. The substratum is muddy relief under tidal

influence and the soil is clayey of considerable depth varying from semifluid mud to stiff clay. Soil aeration is very poor and waterlogged condition is prevalent.

(ii) Euhaline: This subtype is distinct by the presence of highly salt tolerant plants which grow under conditions of apparent wetness or dryness. The soils are sandy or silty loam with mild to strong alkalinity and containing fairly high amount of organic matter. The characteristic plants are *Acanthus ilicifolius*, *Aeluropus lagopoides*, *Arthrocnemum indicum*, *Clerodendrum inerine*, *Cressa cretica*, *Salicornia brachiata*, *Sesuvium portulacastrum*, *Suaeda maritima* and *S. monoica*.

(iii) Prohaline: In this subtype there is a mixing of salt water from the sea and freshwater from the rivers resulting in conditions favourable for the growth of salt tolerant fresh water plants such as *Barringtonia racemosa*, *Brugiera cylindrica*, *Cerbera manghas*, *Dalbergia spinosa*, *Derris trifoliata*, *Excoecaria agallochu*, *Scyphiphora hydrophyllaceu* and *Sonneratia apetala*. This substratum is upland relief beyond mangrove area and the soil is of heterogeneous texture varying from loamy sand to sand with high amount of organic matter.

3. *Coastal Tropical Dry Evergreen forest type*: Restricted to the coastal region from Tirunelveli northwards are the *tropical dry evergreen forests* of Champion and Seth (1968). These are low forests with the trees of 9-12 m height forming a complete evergreen canopy. The leaves are coriaceous and the crowns are spreading. The forest may have deciduous elements and without a marked canopy layer. The common woody plants are *Atalantia monophylla*, *Breynia vitisidaea*, *Calophyllum inophyllum*, *Canthium parviflorum*, *Carissa spinarum*, *Diospyros ferraea*, *Drypetes septaria*, *Ehretia aspera*, *E. microphylla*, *Erythroxylum monogynum*, *Lannea coromandelica*, *Manilkara hexandra*, *Mimusops elengi*, *Mundulea sericea*, *Murraya paniculata*, *Pleurostylia opposita*, *Pterolobium hexapetalum*, *Sapindus emarginatus* and *Walsura trifolia*. *Canavalia gladiata*, *C. virosa*, *Mucuna atropurpurea* and

M. pruriens are the large climbers. *Canthium dicoccum*, *Capparis zeylanica*, *Cayratia carnosa*, *Hugonia mystax*, *Leptadenia reticulata*, *Memecylon umbellatum*, *Toddalia asiatica*, *Tylophora indica* and *Xeromphis malabarica* are the other common elements. Parasites like *Cassytha filiformis*, *Dendrophthoe falcata* and *Viscum orientale* are frequently found. The epiphytic orchid *Vanda tessellata* is fairly common. A typical representation of this forest are found in Vedharanyam and Talaigayyar R.F., Thanjavur (J.C. Daniel, 1967; Sebastine & Ellis, 1967; Blasco & Legris, 1974). These types of forests have been degraded resulting in the disappearance of trees leaving the remnants of tropical dry evergreen scrub alone where there is more biotic interference.

B. Island Vegetation

The Islands of Rameswaram, Krusadai, Shingle, Hare and Church exhibit strand flora which is almost similar to that of the coast of Sri Lanka (Srinivasan 1960; Sundararaj and Nagarajan, 1964; T. A. Rao et al. 1963, 1964; T. A. Rao 1971). Pure strand scrub of *Pemphis acidula* (indicator of coral rocks) is characteristic of all islands except Rameswaram. There are also *Cordia subcordata*, *Halopyrum mucronatum*, *Ipomoea pes-caprae*, *Polycarpaea spicata*, *Scaevola sericea*, *Spinifex littoreus* and *Suriana maritima*. *Ipomoea violacea* is possibly a new entrant to Rameswaram Island.

The vegetation of major islands can be divided into (i) Foreshore sandy vegetation in which *Atriplex repens*, *Ipomoea pes-caprae*, *Scaevola plumieri*, *Sesuvium portulacastrum* and *Spinifex littoreus* are common; (ii) Inland sandy vegetation in which *Borassus flabellifer*, *Calotropis procera*, *Clerodendrum inerme*, *Dodonaea viscosa*, species of *Breynia*, *Pandanus* and *Thespesia populnea* are common; (iii) Salty marshy vegetation in which species of *Apluda*, *Arthrocnemum*, *Atriplex*, *Avicennia*, *Eremopogon*, *Fimbristylis*, *Salicornia*, *Sporobolus* and *Suaeda* are common; and (iv) Tidal mangrove vegetation in which the species of *Avicennia*, *Bruguiera*, *Ceriops*, *Lumnitzera*, *Pemphis* and *Rhizophora* are common.

C. Vegetation of the interior plains

The vegetation of the plains at the foot or sometimes on the gently undulating slopes of hills (hardly exceeding 250 m in height) and hillocks in the rocky area bordering the coastal plains comes under Southern tropical thorn forests of Champion and Seth (1968). They are common in Chengalpattu, North and South Arcot, Pudukkottai, Tiruchchirappalli, Tirunelveli and less so in Salem and Coimbatore Districts and these are often called as 'scrub jungles'. Shankaranarayanan and Dabholkar (1959) have listed out the plants of scrub jungles of Tamil Nadu and Ramamurthy (1978) dealt about the physiognomic features and distribution of the scrub jungles of Tamil Nadu. In these scattered forests trees seldom reach 10 m in height and they are hardwooded and often armed with spines or prickles. Most plants including climbers manifest several xeromorphic features such as succulence, stunted growth, thorniness, etc. The common trees are: *Acacia chundra*, *A. ferruginea*, *A. horrida*, *A. leucophloea*, *A. nilotica* subsp. *indica*, *Albizia amara*, *Azadirachta indica*, *Chloroxylon swietenia*, *Dalbergia spinosa*, *Dichrostachys cinerea*, *Limonia acidissima*, *Plecosperrum spinarum*, *Strychnos nux-vomica*, *S. potatorum*, *Wrightia tinctoria*, *Ziziphus mauritiana*, *Z. oenoplia* and *Z. xylopyrus*. The shrubs invariably show straggling habit. They are *Cadaba fruticosa*, *Capparis zeylanica*, *Carissa congesta*, *Cassia auriculata*, *Flacourtia indica*, *Maytenus emarginata*, *Pisonia aculeata*, *Scutia myrtina*, *Securigena leucopyrus* and *Toddalia asiatica*. The common climbers are *Cardiospermum canescens* (in southern districts), *C. halicacabum*, *Ceropegia candelabrum*, *C. juncea*, *Cissus quadrangularis*, *C. repanda*, *Cissampelos pareira* var. *hirsuta*, *Dioscorea* spp., *Leptadenia reticulata*, *Pergularia dactyloides* and *Ventilago madraspatana*. During the rainy season, the lush-green undergrowth bears a variety of herbaceous plants. Some of the common ones are *Achyranthes aspera*, *Allmania nodiflora*, *Apluda mutica*, *Aristida setacea*, *Blumea mollis*, *Cleome angustifolia* and species of *Cymbopogon*, *Glinus*, *Indigofera*, *Leucas*, *Mollugo* and *Oldenlandia*.

The Southern tropical thorn forests of Tamil Nadu are differentiated into

Southern thorn forest, Carnatic umbrella thorn forest, Southern Euphorbia scrub and Southern thorn scrub (Champion and Seth, 1968). In Southern thorn forest, species of *Acacia*, *Mimosa* and *Ziziphus* are predominantly met with. Carnatic umbrella thorn forests are common in the inland, but close to the coast, particularly in the southern districts such as Kanniyakumari, Madurai, Ramanathapuram and Tirunelveli. *Acacia planifrons* with its umbrella-shaped crown and the ascending *Borassus flabellifer* are found inter mixed and dominant. Southern Euphorbia scrub is an open formation full of fleshy Euphorbias. *Barleria buxifolia*, *Calotropis gigantea*, *Cassia auriculata*, *Capparis* spp., *Dodonaea viscosa*, *Euphorbia antiquorum* and *E. tirucalli* are the common plants met with. *Opuntia dilleanii* has become naturalised in this tract. Southern thorny scrubs are encountered in the plain regions like Madras and its environs. They are degraded to a greater extent due to biotic interference. Apart from this, sandal bearing scrubs are also met with in Sirur R. F. of Nilgiris.

D. Vegetation of hills and mountains

1. *Dry deciduous forests* (Southern dry mixed deciduous forests of Champion and Seth 1968): These generally occur at about and above 400 m on shallow soils of well drained hill sides. The canopy is closed though uneven and not dense. Most of the species are deciduous. The undergrowth is usually dense since enough light penetrates through the upper canopy. Epiphytes and ferns are very rare. The common trees are *Albizia amara*, *A. odoratissima*, *Anogeissus latifolia*, *Bauhinia racemosa*, *Butea monosperma*, *Cassia fistula*, *Chloroxylon swietenia*, *Dalbergia* sp., *Emblia officinalis*, *Lannea coromandelica*, *Mangifera indica*, *Pterocarpus marsupium*, *Shorea roxburghii*, *Spondias mangifera*, *Strychnos nux-vomica*, *Terminalia chebula*, *T. paniculata*, etc. The bamboo, *Dendrocalamus strictus* is often found. The common shrubs are *Acaula* spp., *Dodonaea viscosa*, *Ixora arborea*, *Securinega virosa*, *Strobilanthes* spp. s. l., etc. *Bauhinia vahlii*, *Combretum albidum*, *Hiptage benghalensis*, *Toddalia asiatica* and *Ventilago madraspatana* are the few conspicuous climbers. *Cycas*

circinalis is occasionally met with. The ground layer consists of the following genera: *Abutilon*, *Achyranthes*, *Aristida*, *Bulbostylis*, *Cleome*, *Cymbopogon*, *Cyperus*, *Digitaria*, *Glinus*, *Heracleum*, *Heteropogon*, *Oxyris*, *Polygala*, *Themeda*, *Trichodesma*, *Tragus* and *Tribulus*. The grass growth is usually heavy. These forests are often subjected to the interference of man as well as fire.

2. *South Indian moist deciduous forests* (Champion and Seth 1968): This type lies above the zone of dry deciduous forests and below the zone of semi-evergreen and evergreen forests. The trees attain a height of 30-36 m or more and the species are predominantly deciduous. The number of species constituting the upper canopy is small. There may be some evergreen elements dominating the lower storey giving the false impression of evergreen nature to these forests. Bamboos are usually common; where they are absent, the evergreen species show better development. Epiphytes are rare. The common trees are *Bombax celba*, *Dillenia pentagyna*, *Grewia tiliifolia*, *Lagerstroemia microcarpa*, *Mitragyna parvifolia*, *Tectona grandis*, *Terminalia crenulata*, *T. paniculata* and *Vitex* sp. *Emblia officinalis* and *Ziziphus xylopyrus* are frequent. *Bambusa arundinacea* is common. *Cycas circinalis* is occasional. Among the shrubs, *Helicteres isora* is abundant. It is often displaced by *Lantana camara* var. *aculeata*. *Butea parviflora* and *Ziziphus oenoplia* are common. The common grass is *Imperata* species while the common climber is *Ipomoea* species. According to Champion and Seth (1968), this type in part is a preclimax towards evergreen type. These forests are also frequently subjected to fire resulting in the destruction of evergreen undergrowth.

3. *Semi-evergreen forests* (Tirunelveli semi-evergreen forests of Champion and Seth 1968): This type occurs on the slopes of hills and mountains usually up to 1000 m altitude and rarely at higher altitudes with wet evergreen forests above and moist deciduous forests below. The canopy is of 2 or 3 storeys and nearly open during the dry months. Epiphytic orchids are present, but lichens and mosses are not prominent. Climbers

and canes are usually common. *Artocarpus heterophyllus*, *A. hirsutus*, *Dalbergia latifolia*, *Hopea parviflora*, *H. utilis*, etc. occupy the top canopy. The second storey largely consists of species of *Actinodaphne*, *Aglaiia*, *Bischofia*, *Diospyros*, *Drypetes* and *Symplocos*. The shrubby vegetation is predominantly of *Glycosmis*, *Ixora*, *Lasianthus*, *Leea*, *Memecylon*, *Pavetta*, *Strobilanthes s. l.*, etc. *Sarcandra grandifolia* is sometimes met with. *Butea parviflora*, *Cynanchum tunicatum*, *Entada pursaetha*, *Maerua oblongifolia* and species of *Calycopteris*, *Dioscorea*, *Strychnos*, etc. are the common climbers, the bamboo (*Bambusa arundinacea*) and the reed (*Ochlandra travancorica*) are also common.

4. *Wet evergreen forests (Southern hill top tropical evergreen forests and West coast tropical evergreen forests of Champion and Seth 1968)*: This type is considered to be a climatic climax which occurs up to an altitude of nearly 1500 m on the slopes of hills and mountains which receive a heavy rainfall and maintain a high humidity during the period of low rainfall. It is primarily met with in Anamalai, Kanniyakumari and Tirunelveli hills. The arborescent vegetation consists of several species attaining a height of 45 m or more with long, clean boles and smooth bark, frequent plank buttresses and branching only at the top. Cauliflory is frequent. The number of storeys may be three or four. The canopy is very dense. Epiphytic orchids, aroids, ferns, mosses and lichens are common. Climbers are generally very conspicuous and spreading over the tree canopy. In general, the ground vegetation is absent. Sometimes a dense growth of species of *Strobilanthes s. l.* and plants like *Selaginella* occurs depending upon light and moisture. At places, near water courses, the vegetation consists of *Calamus* and *Pandanus* species, palms, etc. Grasses are generally absent but bamboo brakes may be found locally.

The top canopy is formed by *Hopea parviflora* and *H. utilis* (in Tirunelveli) and *Aglaiia eleagnoidea*, *Artocarpus heterophyllus*, *A. hirsutus*, *Calophyllum apetalum*, *C. elatum*, *Canarium strictum*, *Cullenia exarillata*, *Filicium decipiens*, *Lophopetalum wightianum*, *Mangifera*

indica, *Mesua nagassarium*, *Palaquium ellipticum*, *Persea macrantha* and *Tetrameles nudiflora*. The trees of the second storey are *Actinodaphne malabarica*, *Cinnamomum verum*, *Dimorphocalyx* sp., *Diospyros bourdillonii*, *Elaeocarpus serratus*, *Garcinia* spp., *Gomphandra tetrandra*, *Hydnocarpus* spp., *Mallorus philippensis*, *Scolopia crenata*, etc. Species of *Ixora*, *Nothopegia*, *Pavetta* and *Strobilanthes s. l.* are the common shrubs. The common climbers are *Ancistrocladus*, *Calycopteris*, *Dioscorea*, *Entada*, *Erythropalum* and *Pothos*. Herbaceous vegetation which is not abundant consists of *Begonia*, *Disperis*, *Impatiens*, *Ophiorrhiza*, etc. Along water courses and on moist slopes, *Schumannianthus virgatus* is abundant. Epiphytic orchids present belong to the genera *Coelogyne*, *Dendrobium*, *Oberonia*, *Pholidota* and *Vanda*. The common ferns are the species of *Angiopteris*, *Arachniodes*, *Asplenium*, *Bolbitis*, *Leptochilus*, *Microsorium*, *Pteris* and *Trichomanes*. Tree ferns (*Cyathea* spp.) are occasionally found near water courses. *Lycopodium* is an occasional epiphyte while *Selaginella* species are common on rocks and sometimes on trees. In the higher reaches of the mountains, the ligneous species become dwarfened and the herbaceous vegetation, epiphytic mosses and lichens become abundant. Bhadran and Achaya (1960) gave a detailed account of the tropical evergreen forests in the State.

5. *Sholas (Southern montane wet temperate forests of Champion and Seth 1968)*: The montane forests (above 1000 m altitude) mostly confined to moist and sheltered valleys, glens and hollows, as in the Anamalais, Nilgiri and Pulney, are called 'sholas'. The trees found there are evergreen, usually short-boled and of less than 12 m height with dense round crowns, coriaceous leaves and branches covered with epiphytes, mosses and lichens. Woody climbers are also frequent. In the margins of these forests, light demanding trees and shrubs are common and they do not penetrate the shola proper (Meher-Homji, 1967, 1969, 1975, 1979).

The principal trees of the sholas are *Ilex denticulata*, *I. wightiana*, *Michelia nilagirica*, *Microtropis* spp., *Syzygium* spp., *Vaccinium leschenaultii*, *V. neil-*

gherrense and *Viburnum punctatum*. Trees found generally on the fringes of the sholas are *Eurya nitida*, *Photinia integrifolia* var. *sublanceolata*, *Rhododendron nilagiricum*, *Rhodomyrtus tomentosa*, *Symplocos cochinchinensis* subsp. *laurina* and *Ternstroemia japonica*; these are all light-loving species. Other plants found are species of *Berberis*, *Disporum*, *Gaultheria*, *Mahonia*, *Moonia*, *Valeriana* etc. The undergrowth in sholas consists of *Abelmoschus angulosus* and species of *Arundinaria*, *Elatostema*, *Impatiens*, *Lasianthus*, *Psychotria* and *Strobilanthes* s.l. The common pteridophytes are *Asplenium aethiopicum*, *A. laciniatum* and species of *Polystichum* and *Selaginella*. *Osmunda regalis* is rarely seen. Among the climbers may be mentioned *Rubia cordifolia* and *Tylophora pauciflora*. Lithophytic and epiphytic orchids include *Aerides ringens*, *Coelogyne mossiae*, *C. nervosa*, *Dendrobium nanum*, *Eria dalzellii*, *E. pauciflora*, *Oberonia* spp., etc. *Helixanthera* spp. and *Korthalsella japonica* are the parasites frequently seen.

The shola forests are considered as climatic climax type by many workers. Bor (1938) regarded it to be the relict of an evergreen forest climax which has been pushed back to its last stronghold by fire and grazing. Theagarajan (1964) also considers the shola as a relict vegetation and as a post climax since it cannot re-establish itself if destroyed. According to him, in the past, the climatic conditions over Nilgiri plateau were such that an extensive tropical evergreen forest existed, but due to climatic changes these forests became gradually restricted to the favourable conditions where they are present now. Meher-Homji (1979) considers the sholas to be stunted evergreen elements. He does not agree with Champion and Seth (1968) in considering the vegetation of Nilgiri and Pulney sholas to be temperate forests due to relatively low temperature of winter months. Meher-Homji (1967) has shown that there are many differences between the climate of these places and that of true temperate regions. The diurnal variation in temperature here during winter months is also very wide. Therefore, he described these regions as belonging to tropical montane type.

6. *Grasslands*: The grasslands can be divided into two categories.

(i) *Lowland grasslands*: These lie up to 1000 m altitude and are very scattered and intermixed with the local forests. These grasslands are exposed to considerable biotic interference. Fire is common during the dry months. The dominant populations of grasses found here are *Arundinella ciliata*, *A. mesophylla*, *Chrysopogon orientalis*, *C. zeylanicus*, *Cymbopogon coloratus*, *C. flexuosus*, *Digitaria ciliaris*, *Eragrostis tenuifolia*, *Eulalia trispicata*, *Ischaemum timorense* and *Themeda cymbaria*. Scattered among these are common trees *Mundulea sericea*, *Phoenix humilis* var. *pedunculata* (a fire resistant species) and *Terminalia chebula*. The common shrubs are *Hedyotis purpurascens* and *Uvaria rufescens*, the herbaceous elements seen are species of *Biophytum*, *Crotalaria*, *Cyanotis*, *Fimbristylis*, *Leucas*, *Phyllanthus*, *Rhynchosia*, *Striga* and *Vernonia*. The common orchids found are *Habenaria perrottetiana* and *Pecteilis gigantea*. *Didymocarpus tomentosus*, *Eriocaulon cinereum*, *E. melaleucum*, etc., are found on mossy rocks. Where the substratum is very moist, *Burmattia pusilla* and *Utricularia striatula* are frequent.

(ii) *High level grasslands* (*Southern montane wet grasslands* of Champion and Seth 1968; *Shrub-Savanna* of Meher-Homji 1967, 1969): This type of vegetation is composed of grasses, herbs and shrubs mixed in varying proportions; it covers large areas on the mountain tops. The grasses found in general are *Agrostis peninsularis*, *Arundinella purpurea*, *A. vaginata*, *Bromus ramosus*, *Chrysopogon zeylanicus*, *Dichanthium polyptycum*, *Indochloa oligantha*, *Isachne bourneorum* and *Tripogon bromoides*. In Nilgiris, Kundah has *Cymbopogon Themeda cymbaria* type of grassland (Shankaranarayan, 1958). When the grassland is in an overgrazed condition, as in the Wenlock down, the dominant species is *Chrysopogon zeylanicus*. Agarwal et al. (1961) Gupte and Rege (1965) and Gupte et al. (1967) show that there are two types of grasslands in the Nilgiri plateau, one dominated by *Chrysopogon zeylanicus*.

The grasses are associated with a number of other species such as *Anaphalis bournei*, *A. meeboldii*, *A. subdecurrens*, *Arisaema wightii*, *Blumea hieracifolia*, *B. mollis*, *Burmanna pusilla*, *Clinopodium umbrosum*, *Campanula alphonsii*, *Cirsium wallichii* var. *wightii*, *Curculigo orchioides*, *Drosera peltata*, *Fimbristylis kingii*, *Lactuca hastata*, *Micromeria biflora*, *Osbeckia parvifolia*, *Parnassia mysorensis*, *Pedicularis zeylanica*, *Scirpus fluitans*, *Spiranthes sinensis*, *Swertia corymbosa*, *Utricularia graminifolia*, *U. uliginosa*, *Valeriana beddomei*, *Vernonia peninsularis* and *Viola betonicifolia* subsp. *nepalensis*. *Pteridium aquilinum* is one of the aggressive ferns which makes inroads into grasslands. It is also one of the pioneers in forest clearings and is fire resistant due to its deep rooted rhizomes which put forth fresh leaves vigorously after fire.

A factor of great ecological significance is that, in many places, the high level grasslands lie in close juxtaposition with sholas. Consequently, the ecological status of shola-grassland formation has always been a subject of debate. Ranganathan (1938) opined that both shola and grassland which surrounds it are climatic climax types. The distribution of these two climax types, according to him, is chiefly due to physiological drought caused by frost which damages the young sprouts (the young saplings being unable to absorb water from the frozen soil during night to counterbalance the transpiration rate with the rise of day temperature). The sholas although within the frost zone, on the other hand, are protected from sun whereby the transpiration rate is reduced. Further, they receive moving soil water in abundance. According to Bor (1938), Ranganathan's dual concept of climax is untenable as it is against Clement's concept of climax. Puri (1960) also supports the monoclimate theory. Bor (1938) considers these grasslands as a biotic complex made stable by fire and grazing. According to him, in several parts of the world, including tropical hill tops, the forests destroyed are replaced by grasslands which can be retained indefinitely by fire. Champion (1936) had also earlier expressed that nowhere is the grassland a climax and the past clearings followed by periodic fire are responsible for its expansion with

the result that the forests are shrunk to damper areas. Champion and Seth (1968) slightly deviated and concluded that grasslands represent a stable degradation stage, though over restricted areas they can be given edaphic or physiographic climax status. This view has been accepted by R.K. Nair (1957), Shankaranarayan (1958), Legris (1960), Gupta (1960, 1962a), Gupta and Shankaranarayan (1962) and Noble (1967). Theagarajan (1964) distinguishes grasslands into climax, pre-climax and sub-climax types. Jayadev (1957) is of the view that the grassland reigned over extensive areas on the Nilgiri plateau for centuries, and it is that of a pre-climax, mainly conditioned by a set of natural factors like the extent of moisture, exposure and wind which do not admit the easy passage towards the final climax. He believes that fire and grazing can degrade a climax forest only to an inferior scrub in view of the high rainfall and cannot establish large tracts of grasslands. He seems to have overlooked the fact that fire and grazing can degrade a scrub to grassland, the succession being in the sequence: climax forest → degraded forest → scrub → grassland. The reverse does not appear to be true. In this connection, it is worth mentioning the status of grasslands in Sri Lanka which have many similarities with those in Tamil Nadu. Stomps (1925) believed that the grasslands of Sri Lanka are due to special climatic conditions. Pearson (1899), Gleason (1916), Rosayro (1945, 1946, 1955) and Holmes (1951) are of the opinion that the grasslands in Sri Lanka are of anthropogenic origin, a view held also by Van Steenis (1961) who later on (1968) pointed out how deforestation leads to potential occurrence of frost.

Riparian Vegetation

Along the courses of rivers and streams in the plains, where alluvial soil is deposited, there are many plants predominantly exclusive to these areas. This riparian vegetation is maintained by the interaction of constant erosion and redeposition of the soil going on the banks of rivers. It generally forms a very narrow belt along the banks; sometimes it may

extend to the higher elevations. The riparian trees may be evergreen or deciduous depending upon the region. *Arundo donax*, *Barringtonia acutangula*, *Combretum albidum*, *Derris scandens*, *Homonoia riparia*, *Phragmites karka*, *Polygonum* spp., *Pongamia pinnata*, *Saccharum spontaneum*, *Syzygium cumini*, *Terminalia arjuna*, *Typha angustata* and *Vitex leucoxyton* are some of the representative riparian elements one will come across.

Aquatic and Semiaquatic Vegetation

In lakes, ponds, puddles, marshy places, etc. aquatic and semiaquatic vegetation is met with. *Aponogeton natans*, *Ceratophyllum demersum*, *Eichhornia crassipes*, *Hydrilla verticillata*, *Lemna perpusilla*, *Limnophyton obtusifolium*, *Monochoria vaginalis*, *Najas graminea*, *Nelumbo nucifera*, *Nymphaea nouchali*, *N. pubescens*, *Ottelia alismoides*, *Utricularia* spp. and *Vallisneria spiralis* are common. *Hydrobryum olivaceum*, *Polypleurum* spp. and *Willisia selaginoides* are found on rocks in rivers whereas *Aeschynomene aspera*, *Alternanthera* sp., *Bacopa monnieri*, *Coldenia procumbens*, *Cyperus* spp., *Eclipta prostrata*, *Enicostemma hyssopifolia*, *Fimbristylis* spp., *Heliotropium indicum*, *Hygrophila angustifolia*, *Ludwigia perennis*, *Nesaea lanceolata*, *Panicum repens*, *Phyla nodiflora*, *Polygonum barbatum*, *P. glabrum*, *Rotula aquatica* and *Typha angustata* are found along the water margins. The aquatic pteridophytes include *Azolla pinnata*, *Ceratopteris thalictroides*, *Isoetes coromandeliana* and *Marsilea minuta*.

Established Alien elements and Weeds

The introduced tree *Prosopis chilensis* has become naturalized in many parts of the State and shows rapid progression. *Lantana camara* var. *aculeata* and *Parkinsonia aculeata* are also naturalised at many places. *Chromolaena odorata* and *Parthenium hysterophorus* have spread rapidly during recent years. *Mikania micrantha* is gradually getting established on the hills. *Sarothamnus scoparius*, *Ulex europaeus* etc. are common on Nilgiri and Pulney hills. The weeds of the region were described by Tadulinga

Mudaliar and Venkatanarayana (1932), Mayuranathan (1926), Rajasekhara Mudaliar and Sakharan Rao (1955), Arachi (1978) and N. C. Nair et al. (1980). Matthew (1969) gave an account of the exotic flora of Kodaikanal.

Past history of vegetation

The wet evergreen vegetation of Peninsular India is now confined to the west coast of Southern India. But, there are evidences to prove that several wet evergreen species were widespread in the entire Indian Peninsula (Meher-Homji, 1978, 1980) particularly during the Tertiary. The east coastal regions as well as the interior plains of Tamil Nadu presently harbour dry forests. But, a number of angiosperm fossils of rain forest genera are known from the Cuddalore sandstone series and extending up to Neyveli lignite area near Madras. These include *Anisopteroxylon*, *Dipterocarpxylon*, *Hopeoxylon* (Navale, 1962a, b; Awasthi, 1975) *Cynometroxylon* (Navale, 1958; Ramanujam and Raghurama, 1966), *Dryobalanoxylon*, *Glutoxylon* (Awasthi, 1965, 1969), *Mesuoxyton* (Lakhanpal and Awasthi, 1963), *Milletioxylon* (Awasthi, 1967, 1973), *Shoreoxylon* (Ramanujam, 1953) etc. Among the genera indicative of cool humid climate, fossil pollen grains of *Ranunculus* or *Anemone*, *Swertia*, *Viburnum*, (Navale, 1961) *Engelhardtia*, *Haloragis*, *Ligustrum*, *Symplocos* and *Wikstroemia* (Ramanujam, 1966) have been reported.

The gymnospermous fossil of the Cuddalore series is very significant. Large petrified Podocarpaceous woods of the area are some of the best ever obtained from India (Lakhanpal, 1973; Ramanujam, 1968). It is important that the only living native conifer of Southern India at present is *Decussocarpus wallichiana* occurring in the wet evergreen forests of Western Ghats from Nilgiri southwards (900-1500 m altitude). According to Meher-Homji (1980), this species could have extended in the past, along Biligirirangan-Shevaroy-Kalrayan-Javadi axis and further northwards along the Eastern Ghats. All these evidences indicate that Tamil Nadu had a humid tropical vegetation as is found presently in the Southern Western Ghats, and the

present day dry vegetation of the State is the degradation product of wet evergreen vegetation linked to the climatic changes through the ages (Meher-Homji, 1980).

WILD LIFE SANCTUARIES AND PARKS

Wild Life Sanctuaries and Parks are dedicated to the preservation of wild life and to represent ecological units in Tamil Nadu. Seven sanctuaries and a national park have been established in the State covering an area of nearly 2,090 sq km (Sahria 1981). They are:

1. *Mudumalai Wild Life Sanctuary*: It is situated on the north-western corner in Nilgiri District and is the best known sanctuary in Tamil Nadu. The altitude of the sanctuary varies between 915-1158 m. The forests vary from dry deciduous to moist deciduous. Account on the vegetation and flora of this sanctuary has been dealt with by Sharma et al. (1979) and the list of animals is provided by Spillett (1968).
2. *Vedanthangal Water-bird Sanctuary*: Situated at an altitude of 122 m in Chengalpattu District, this is probably one of the oldest bird sanctuaries in India. Vascular flora of this area has been studied by Henry and Swaminathan (1981) and a list of birds is given by Spillett (1968).
3. *Anamalai Wild Life Sanctuary*: It covers 958 sq km and is situated in Coimbatore District. It is known for chital, elephants, gaur, panther, sambar, sloth bear, tiger, wild dog, etc. C.E.C. Fischer (1921), Sebastine and Ramamurthy (1967) and Vajravelu and Joseph (1974) have studied the Flora of Anamalais.
4. *Mundanthurai Tiger Sanctuary*: It is situated in Tirunelveli District covering an area of 567 sq km.
5. *Point Calimere Sanctuary*: It is situated in Thanjavur District and covers an area of nearly 18 sq km. Sebastine and Ellis (1967) and Blasco and Legris (1974) have dealt with the plants of the region.
6. *Kalakad Wild Life Sanctuary*: Situated in Tirunelveli District covering 223.58 sq km and is known for its sizeable population of lion-tailed macaque, etc. There are also several endemic plants in this area.
7. *Vettangudi Bird Sanctuary*: It is situated in Ramanathapuram District and covers 0.38 sq km, and
8. *Guindy National Park*: Among the principal

cities of India, Madras is unique in having an extensive natural park within its limits. This park with an area of 2.71 sq km also has live snake collections.

MAN AND ETHNOBOTANY

Tamil Nadu has a very ancient ethnic history. There are evidences that early Palaeozoic and upper Palaeozoic men having lived here and the first indication of early Palaeozoic man in India came forth in 1863 from Pallavaram - a place near the present day city of Madras. It is believed that these early inhabitants belonged to the Negrito group whose present representatives can be seen in Parambikulam and Anamalai areas. Descendants of Proto-Australoid group who lived here before Harappan civilization can also be found in Tamil Nadu. Malayar (Malayal), Karumbar, Eruvar, etc. are regarded to belong to this category. People belonging to the Proto-Mediterranean group can be met with and the discoveries from Adichanellur bear testimony to this. This group cultivated Paddy (husk from earthen pots and rice in bronze vessels have been obtained from this area). It is established that Alpine-Arminoid group too lived here, but, at the time of Aryan invasion they got mixed up. Narikuravars are also believed to be of Indo-Aryan origin as is evident from their dialect.

The tribal population (hill tribes) of the State will be about 0.75 per cent of the total. Irular, Kaanikkar, Karumbar, Kattunaicker, Kothar, Malayal, Palliyan, Paniyar, Sholagar, Thodar and others who belong to the early groups mainly inhabit the Western Ghats. Some of them live in small nomadic or seminomadic bands. They gather wild leaves, roots and fruits, make ropes from wild creepers and barks, collect honey and beeswax for their use or for exchanging with agricultural produces. Such tribes are neither isolated nor independent, their economic pursuits being governed by the reciprocal relationship with their neighbours.

Comprehensive ethnobotanical data on the tribal inhabitants of Tamil Nadu are lacking. Only recently some preliminary studies have been conducted on

Irulars, Todars, etc. Among the tribals, Todars are pure vegetarians.

Mention about the rulers of Tamil Nadu could be seen in the epics, Ramayana and Mahabharatha. Subsequently, Kathayan (4th century B.C.) refers to the successful kings and the mode of life of the people. The reference given by Megasthenes indicates that Tamil Nadu was famous even outside India as early as 4th century B.C. Subsequent periods are referred to in several epigraphics, Sangam literature and other records. The chief cereals used in early historical times were rice, millets, pulses (chiefly *Cajanus cajan*, *Dolichos biflorus*), etc. There is also record of sugarcane having been grown here in plenty. There is a clear indication that forests and trees were worshipped during early times and not much damage was done to the vegetation although shifting cultivation was practised around tribal villages, at least at certain places. Now shifting cultivation is abandoned as permanent cultivable lands have been given to the tribal people by the Government.

While the tribals, in general, lived in harmony with nature in the past, their attitude has been gradually changing due to those engaged in large scale timber extraction and collection of wild animal produces from the not so easily accessible forests. As the tribal population is gradually adopting modern ways of life, their heritage of traditional knowledge in plants will soon be lost for ever. It is, therefore, imperative that intensive ethnobotanical studies are to be conducted in the State which will be helpful in tracing human and plant migration, in discovering new medicinal and economic plants, in archaeological work and linguistic studies (particularly etymology), in linking archaeo-ethnobotany with present day conditions, in improving the economic status of ethnic groups by establishing plantbased cottage industries and organised collection of herbal drugs, oil seeds, gums, fibres, dyestuff and incense, cordage, basketry crafts, etc., in conservation of plants used by tribals for various purposes with particular reference to primitive cultivars and wild relatives of crop plants and in discovering new and underutilized plants as source of

starch, proteins, fats, alkaloids, tannins and other materials.

The average density of population in the State at present is about 300 per sq km. The increase in population reflects on the vegetation. Firewood is a dear commodity in Tamil Nadu. It is because of this that dung of livestock, which could otherwise be used to a large extent in increasing the fertility of the cultivated lands, are made into cakes, sundried and used as fuel.

AGRICULTURAL CROPS AND PLANTATIONS

About 7.6 million hectares comprise the area sown. Cereal production dominates the agricultural sector. Paddy is the principal cereal, followed by *Sorghum vulgare* (Cholam). Among millets grown, mention may be made of *Eleusine coracana*, *Panicum miliaceum* (Varagu) *P. miliare* (Chama), *Pennisetum typhoides*, *Setaria italica* (Tenai). *Zea mays* introduced into India by the Portuguese during the 17th century, is also sometimes grown. Pulses are grown usually as a second crop. *Triticum aestivum* (Wheat) is also cultivated here and there. Among cash crops, groundnut, sugarcane and cotton are important. Tobacco is grown on a small scale as is also the case with Onion. *Ricinus communis* is frequently grown for the seeds (Castor). Sweet potato (*Ipomoea batatas*) and *Manihot esculenta* (Tapioca) are now-a-days cultivated to a considerable extent. *Solanum tuberosum* (Potato) and *Amorphophallus* (Yam) are grown on the hills and plains respectively.

Tea and Coffee are the principal plantations and they are grown on the hills (above 1500 m) of Coimbatore, Madurai, Nilgiri and Salem Districts. Twenty two per cent of Coffee in India is from the State. Cardamom and Rubber are grown on a small scale. Plantations of *Eucalyptus* are found on the hills as well as in the plains. *Casuarina* plantations are raised along the coastal region. Wattle (*Acacia* spp.) are grown in Nilgiri and Pulneys. Recently, Cocoa (*Theobroma cocoa*) is being cultivated chiefly in Tirunelveli and Kanniyakumari Districts. Grape cultivation is also found here and there, but chiefly in Madurai District.

The common fibre plants in cultivation is cotton (*Gossypium* spp.). Other important fibre is sunhemp. Jute is also recently introduced.

The important fruit trees are coconut, mango, jack, banana and tamarind. In coconut cultivation, Tamil Nadu ranks first in India. Cashew is grown in some parts of the State, particularly near the coastal tract. Pear is grown in Kodaikanal.

A number of cucurbits are grown as garden vegetables which include *Citrulus lanatus* (Thannir-mathanga), *Cucumis melo* (Mulampuzham), *C. sativus* (Vellarikkai), *Cucurbita pepo*, *Luffa acutangula* (Pichinga), *L. cylindrica*, *Momordica charantia* (Pavakkai), *Trichosanthes cucumerina*, etc. Other common vegetables grown are tomato, pea, beans, lady's finger, brinjal, etc.

FORESTS AND FOREST PRODUCTS

The total area under control of the forest department is 20,844 sq km of which 17,300 sq km are reserved forests and the remaining is reserved land. According to forest records, the percentage of land under reserved forest in the State is 16 per cent which represents less than half of the minimum percentage of forest area laid down in the National Forest Policy of India.

The forests in Tamil Nadu, like many other parts of India, suffer from human interference due to population pressure, denudation for agricultural and plantations purposes, disturbance due to plantation of bluegum, wattle and other aliens use of insecticides, excessive grazing, etc.

Major forest products are timber, sandal wood, firewood, bamboos, cane, grasses, resins, etc. Timber is largely obtained from the eastern slope of the Western Ghats, Nilgiri District, etc. Teak is a major source of timber. Others are ebony (*Diospyros*), rosewood (*Dalbergia*) and red wood (*Pterocarpus*). Minor forest products are honey, beeswax, barks, lichens (in higher hills), soap nuts (*Sapindus emarginatus*), gall nuts, Belleric myrobalam (*Terminalia bellirica*), Chebulic myrobalam (*Terminalia chebula*), etc.

PLANT-BASED INDUSTRIES

Cotton and safety matches industries are the most important plant-based industries in the State followed by oil (which includes the production of oils from bran, groundnut, sesame, castor, coconut, safflower, sunflower, neem, etc.) paper, rayon, hard board, tobacco, sugar, coir and starch industries. Plant-based cottage industries are abundant. Mats made of grasses and sedges in Tirunelveli and Kanniyakumari Districts are famous. From grasses are also made several decorative and fancy goods. Many attractive articles like fans, bags, baskets, etc. are made from the leaves of the palmyra palm in Chengalpattu, Ramanathapuram, Kanniyakumari and Tirunelveli Districts. Jaggery production is an important cottage industry. It is produced from sugarcane as well as from the sap of palms (particularly in southern districts). Sidha system of indigenous medicine holds sway in the region. Ayurvedic system and local medicines also prevail. In these systems, several plants and plant products are used. Dealings in crude drugs are considerable.

EARLY BOTANICAL HISTORY

Pre-Linnaean Period: As with other parts of India, plants have been studied in Tamil Nadu from ancient times mainly from medicinal, agricultural, ritualistic and other utilitarian points of view. The fertile soil, textile and other cottage industries and trade with various parts of the world crowned Tamil Nadu as a sea of wealth and power several centuries even before the birth of Christ. The Phoenicians are believed to have visited the southern parts of the State about 1000 B.C. (Menon, 1962). Arabs and Turks followed. The anonymous author of the *Periplus of the Erythrean Sea*, a work written in the first century A.D., gives a fine description of Komar (Cape Comorin) and makes reference to several plant products of Paralia (country around Cape Comorin). The Roman emperor Augustus had sent his emissary to the Pandya king, who ruled over Tinneveli (Tirunelveli), Madurai and closeby regions, for various plant products. The plant wealth of the State had also attracted the Chinese from early times. The Portu

guesse, the Dutch and the French arrived later. They were followed by the British who played a very significant role in shaping the botanical studies in the country and put it on a sound footing (Burkill, 1965).

The Europeans played a major role in the annals of botanical history of Tamil Nadu. Their collections from Tamil Nadu, unearthed from some of the foreign herbaria, and their publications made even before Linnæus stand as landmarks in the history of botany. Most of the early accounts are in the form of traveller's accounts (e.g. Linschoten, 1596; Bontius, 1658).

While Van Rhee (1637-1691), Governor of the Dutch possessions at Cochin, with the assistance of several people from all walks of life of Malabar as well as of Europe, was organising the preparation of *Hortus Indicus Malabaricus*, some of the British (mostly medical men and captains of ships) were also undertaking preliminary botanical studies on the Madras Coast. Between 1663 and 1669 Van Rhee also travelled over most of the coastal regions from Goa to Tuticoria and made notes on vegetation (cf. Preface iv of *Hortus Indicus Malabaricus* Vol. III, 1682; Heniger, 1980). He stayed in Nagapattinam on the Coromandel Coast in 1686 (Fournier, 1980) and made observations.

Contemporaneously, due to the impetus given by James Petiver (c. 1658-1718) and Charles Du Bois (1656-1740), Samuel Browne has collected plants from the neighbourhood of St. George Fort (c. 1688) and sent *Hortus siccus* to London along with notes on their uses. Like Browne, another official of the East India Company, Edward Bulkley (c. 1651-1714) also sent packages of dried plants to London.

Wagenitz (1978) unearthed a treasure of 12 volumes of herbarium specimens from India kept under the title "Plantae Malabaricae" in the herbarium of the Systematisch-Geobotanisches Institut der Universität Göttingen. These were principally of Ch. Th. Walther (1699-1744) who collected them from the surroundings of Tranquebar (Tarangambadi).

The specimens were annotated with Tamil names and notes on their uses. As pointed out by Wagenitz (1978) the term Malabar in those days meant not only the Kerala Coast but also other parts of Southern India.

In 1697, Leonard Plukenet began publishing copper plate illustrations entitled *Phytographia*. Almost simultaneously, Petiver (1699) also reported on plants. The observations of both Plukenet and Petiver were based on the collections of Browne. The pre-Linnaean enquiry into plants of Tamil Nadu ended with Petiver.

Post-Linnaean Period: Linnaeus' *Species Plantarum* (1753) and *Genera Plantarum* (1754, 5th ed.) marked a new era in the botanical history. Tarangambadi (Tranquebar) had become one of the major centres of modern botanical studies through the works of Johann Gerhard Koenig (1728-1785) (the illustrious student of Linnaeus, missionary surgeon and naturalist), Johann Gottfried Klein (1766-1821), Johann Peter Rottler (1749-1837), Christopher Samuel John (1747-1813), Benjamin Heyne (1770-1819) and others belonging to the Tranquebar Mission (Mueller, 1955; Stansfield, 1957; Burkill, 1965; Matberley, 1980; Stewart, 1982). There was also a botanical garden at Tranquebar in 1768. A society of botanists called "United Brothers" was also formed in Madras around 1775 with a business motto of selling specimens (Chakravarty, 1977). When Koenig arrived at Tarangambadi, he had prepared a catalogue of plants and dedicated it to George Lord Pigot, sometime governor of Madras. He sent specimens to Banks, Linnaeus, Vahl and Retzius. As others have done he also sent seeds and live materials (Rendle, 1933). It must also be mentioned that it was Koenig who introduced the binomial system of botanical nomenclature (in modern sense) in India (Burkill, 1965; Stewart, 1982).

Rottler collected plants chiefly from the coastal region and sent them to London and Germany. Wallich also got a good share of his collections. Rottler and Willdenow (1803) published an account on the vegetation between

Madras and Tarangambadi. Rottler's dictionary, in three volumes, of Tamil names is an important work for local people particularly when trying to fix the identity of plants (tentatively atleast) based on the then existed vernacular names which have changed considerably. Roth collected plants in large numbers from 1792 to 1800 and returned to Europe in 1812 and published his *Novae Plantarum* which is also based on the collections of Heyne, mostly from Coimbatore (although specific localities are not mentioned).

The Pondicherry based French also made extensive plant collections from Tamil Nadu Coast and enriched the herbarium at Paris. Among them mention may be made to Pierre Sonnerat (c. 1745-1814) who collected around Pondicherry. Louis Theodore Leschenault (1773-1826) travelled widely and made large collections from Gingee and Nilgiri hills, Alphonse Delessert also made collections from there in 1834.

Roxburgh arrived at Madras in 1776 and along with Koenig he studied the flora. Roxburgh's *Plants of the Coast of Coromandel* (in three volumes, 1795-1820) include plants from Tamil Nadu also. Bernhard Schmid (1787-1857), a member of Madras based missionary began collecting plants about 1817 for a Tamil-English dictionary which he completed in 1835.

The call of the Nilgiris was very tempting to the Europeans and many visited the high hills. Wallich already had a collection of plants from Nilgiris in 1828 obtained through Leschenault who worked back from the coast to the Nilgiri hills. Perrottet (1793-1870) also collected extensively from the region. Another important collector was Bernhard Schmid who collected from Tirunelveli and Nilgiri. Yet another was Adam who was the Governor of Madras from 1823 to 1837. Contemporaneously, two missionaries Thomas Foulkes and Weigle were also studying plants of the Nilgiris. Von Huegel enriched Vienna Museum with collections from Nilgiri hills in 1831. Baikie (1834) prepared a guide book entitled *Observations on the Neilgherries*. In this Von Huegel assisted

him by supplying notes on climate and vegetation while Schmid provided list of 471 species in the appendix. On his return to Europe in 1837, Schmid presented his materials to Zenker (1799-1837) who published in 1835 a decade of *Plantae indicae (Quas in montibus coimbatouricis coeruleis. Nilagiri seu Neilgherries dictis collegit Bernhardus Schmid)* followed by a second decade in 1836 (Stafleu, 1967) and preceded by another publication (1832). Schmid again visited Nilgiris in 1845 and sent nearly 1000 specimens to W.J. Hooker at Kew. He also sent some specimens to Calcutta. Frederick J. Hutchinson collected ferns of Nilgiri hills towards the middle of the last century.

In addition to the missionaries attached to the Tranquebar Mission, Roxburgh and others mentioned above, another indefatigable zealous worker Robert Wight (1796-1872) came to the scene. He is considered as the greatest worker of his time. His collections and publications are very important for anyone dealing with the flora of Tamil Nadu. A lithographed catalogue of plants distributed from Wight's herbarium was produced by Wight in the handwriting of Walker Arnott. The first parts of this untitled work appeared before their *Prodromus Florae Peninsulae Indiae Orientalis* (1834) such that many of their new names were anticipated by valid publication in this *Catalogue* (Mabberley, 1980). Many names in this catalogue, according to Mabberley (1980), are validly published although two are apparently superfluous new names. During his 35 years of stay in India, Wight has described about 38 genera and more than 3000 species. His contributions include 28 publications of which *Illustrations of Indian Botany* (1831), *Icones Plantarum Indiae Orientalis* (1838-1853) and *Spicilegium Neilgherrense* (1846-1851) are important. By 1838, Madras had a botanic garden and Wight looked after it for a while. Hugh Francis Clarke Cleghorn (1820-1895) who became Professor of Botany and Materia Medica at Madras in 1851, Conservator of Forests in 1857 and Inspector General of Forests in 1867 made collections in Tamil Nadu. His collections enriched

the herbaria at Edinburgh and Calcutta. He has written papers on ecology and established a herbarium around 1853 in Madras Museum, Madras city. His herbarium specimens along with those of Dr. Drew and Sir W. Elliot bearing the year 1853 under the Madras Museum Herbarium labels appear to have formed the nucleus of the present Madras Herbarium located at Coimbatore under the Botanical Survey of India, Southern Circle (see also, *The Madras Herbarium, 125th Anniversary Souvenir*, 1978). Cleghorn's main interest appears to have been towards the preparation of a catalogue of indigenous and naturalised plants in the Agri-Horticultural Society Garden, Madras (1853); the sand-binding plants of Madras beach (1856), Memorandum on the Government Garden, Ootacamund (1857), and *The Forests and Gardens of South India* (1861).

During the same period, several others were also botanizing Tamil Nadu. The works of Allardyce (1836) on the vegetation of Nilgiris, Ward (1837) on the survey of Pulney hills and Gardner (1845) on the botanical visit to Madras, Coimbatore and Nilgiri mountains are worth mentioning. Bentham (1851a, b) furnished a list of plants belonging to the families Leguminosae and Acanthaceae obtained through Hohenacker from Nilgiris from the collections of J.F. Metz, (1819-1886) etc. Kunze (1851) published an account of the ferns of Nilgiris. Some workers devoted attention to the useful plants. Drury's (1858) work belongs to this category. J.D. Hooker and Thomson's *Flora Indica* (1855) is a prelude towards the preparation of a complete flora of the country. Robert N. Brown (1862) published a handbook of 968 trees and shrubs and herbaceous plants growing at the Madras Agri-Horticultural Society Garden. A brief account of the non-flowering vascular plants are also included. This book went into a second edition edited by John Joseph Wood (1828-1867). Jamieson (1869) published a list of timber trees of Nilgiris and Bidie (1874) dealt with the Loranthaceous parasites. Nilgiri being a favourite place for botanizing the need for a garden was greatly felt and in 1848 a garden was laid by William Graham Mc Ivor.

Col. Richard Henry Beddome (1830-1911) entered the forest service of Madras in 1856. He extensively and intensively collected particularly from Nilgiris, Pulneys and Tirunelveli. He followed the path of Wight in illustrating the plants by the use of lithography. He had an insatiable appetite for the study of ferns as he had for flowering plants. His prolific writing started in 1858 with the flora and vegetable products of Pulney hills followed by the flora of Nilgiris (1876, 1880) and the flora of Tirunelveli (1877). In addition to these, his illustrations with descriptions like *The Flora Sylvatica for Southern India* (1869-1874) and *Icones Plantarum Indiae Orientalis* (1868-1874) are the significant contributions. His other works include the genus *Impatiens* (1858a), synopsis of the peninsular species of the genus *Impatiens* (1858b), Contributions to the Botany of Southern India (1861-1862), *Trees of the Madras Presidency* (1863), etc. He made remarkable contributions to the study of ferns through a series of illustrated publications spread over 60 years. *The Ferns of Southern India* (1863-1864), *Ferns of British India* (1865-1870), *Supplement to the Ferns of Southern India and British India* (1876), *Handbook to the Ferns of British India, Ceylon and Malay Peninsula* (1883) and its supplement (1892) are still very valuable standard references for any taxonomic study on ferns.

Cotton visited the Anamalai range in 1857 for examining the teak plantations and his publication gives a vivid picture of the hill tops. In 1868, C.B. Clarke made collections while he was in charge of Nilgiri plantations. Nelson's (1868) account on the flora of Madura (in the *Madura Country Manual*) has a list of plant names supplied by Turnbull. Bidie gave a list of useful plants of the Nilgiris in *Grigg's Manual of Nilgiri District* (1880). Gleason (1884) catalogued the indigenous and naturalised plants in Horticultural Society's Garden at Madras. M.A. Lawson (1876) botanized, Nagarcoil Kanniyakumari and Thadikarakonam. Later, when he became the Government Botanist and the first Director of Botanical Survey of India at Madras, he enriched the Madras Herbarium. He started

cataloguing the plants growing in the Presidency of Madras which included 3,295 species. The catalogue was later completed by A.G. Bourne in 1897. Hunter's (1886) account on the botany and zoology of Madras in the Imperial Gazetteer of India throws light on the flora of the State. In 1881, J.S. Gamble published the *Manual of Indian Timbers*. Towards the close of the last century J.D. Hooker et al. (1872-1897) published, in seven volumes, *The Flora of British India* which to some extent served the needs of plant lovers. It also focused the urgent need for intensive exploration of underexplored and unexplored regions as well as the publication of regional floras. The history of early taxonomic work in any part of the country must mention the establishment of Botanical Survey of India and Indian (Royal) Botanic Garden at Sibpur, Howrah. Robert Kyd started the Calcutta Garden. Botanical Survey of India was established in 1890 under the directorship of Sir George King with its headquarters at Calcutta and three regional offices at Madras, Bombay and Sahranpur. Excellent work was done at these centres and several regional floras, numerous floristic lists and monographic works were published. Burkill (1965) has dealt with the history of botany in India up to the year 1900 in his *Chapters in the History of Botany in India*.

In the beginning of this century, P.M. Lushington (1900) brought out his work on the Sandal Trees of South India. A.W. Lushington published Vernacular List of Trees, Shrubs and Woody climbers of the Madras Presidency (1915). He brought out the flora of North Coimbatore District (1902). Another valuable contribution by him is *Nature and Uses of Madras Timbers* (1919). J.D. Hooker (1904) in his *Sketch on the Flora of British India* gave an account of the vegetation of Nilgiris and other parts of Tamil Nadu. Bonnier (1905a, b) compared the environment of Nilgiri with that of Paris and also published a list of plants from the Nilgiris. Brandis (1906) dealt with the Indian trees. Barber (1908) published about the Botany of Madras. Some of the other significant contributions are those of C.E.C. Fischer (1906) and Blatter (1908) on Coimbatore north,

Butterworth (1911 *Some Madras Trees*), Thurston (1913 *Flora and Forests of Madras*), Tadulinga Mudaliar (1915 *Madras Flora*) and Fyson (1918 *Botany of Madras; 1918-1922 Madras Flowers*). In Bourdillon's (1908) *Forest Trees of Travancore* and Rama Rao's (1914) *Flowering Plants of Travancore*, appreciable number of collection from Kanniyakumari and Tirunelveli Districts are mentioned. Tadulinga Mudaliar (1908) gave an account of the weeds of Coimbatore. Mackay (1910) made a popular account of the wild flowers of Kodaikanal mountains. Sauliere (1914) published a list of plants of Pulney mountains. He made extensive collections at Pulney along with the other staff of Sacred Heart College, Shembaganur, Kodaikanal. A. Anglade, E. Bombert, G. Foreau, S. Muench, C. Montaud and R. Rodriguez are the principal collectors attached to this institution. Their specimens have been largely sent to Kew and elsewhere. Anglade painted over 8000 water-coloured sketches of plants with useful notes. Ramaswami (1914) gave an account of the flora and vegetation of Tirunelveli District which is often quoted as an "epitome of the whole of the Tamil Nadu". Fyson's (1915, 1921) *Flora of Nilgiri and Pulney Hill Tops and Flora of South Indian Hill Stations* (1932) gave a vivid account of the flora of Tamil Nadu hill stations.

The first part of J.S. Gamble's *Flora of the Presidency of Madras* appeared in 1915, and its next six parts were published by 1925. After Gamble's death, C.E.C. Fischer completed the remaining parts by 1936. This flora is acclaimed as the best among the regional floras of India. Dunn's (1916) and J.S. Gamble's (1918a, b, 1920, 1921, 1924) notes on the flora of Madras and C.E.C. Fischer's (1928, 1931, 1932, 1935, 1940) notes on new and little known plants from South India are of considerable importance in the study of plants of the State. C.E.C. Fischer (1924) earlier published the flora of Anamalais.

High wavy mountains of Madurai District was botanized by Blatter and Hallberg (1917). Based on their large collections D'Almeida (1926) published an account of the ferns of the region

and Blatter (1928) listed out the orchids of the area. The publications of Rangachari (1919) brought to light the rich floristic wealth of Tirunelveli District. Mayuranathan (1926) also recorded some weeds introduced into Madras city. Iyengar's (1927) work underlines the significance of the flora of Krusadai group of islands in the Gulf of Manaar. Rangachari and Tadulinga Mudaliar's (1921) *A Handbook of Some South Indian Grasses*, Mayuranathan's (1929) *Flowering Plants of Madras City and its Immediate Neighbourhood*, G. Viswanathan's (1931) *Handbook of Systematic Forest Botany for Madras*, Tadulinga Mudaliar and Venkatanarayana's (1932) *A Handbook of Some South Indian Weeds* are the noteworthy contributions. Bowen's (1932) publication on Kodaikanal and Barnes' (1938) list of flowering plants of Madras and its neighbourhood are the other accounts. The vegetation of Nilgiris, particularly the ecological status of sholas and grasslands, was studied by Bor (1938) and Ranganathan (1938). Jacob (1940) enumerated the grass flora of North and South Arcot Districts with special reference to fodder grasses. The flora of Annamalainagar received the attention of Pillai (1941) and Venkatesh (1951). S. N. Chandrasekharan et al. (1946) studied the flora and ecological aspects of the vegetation of Krusadai group of islands. The trees in and around Coimbatore town was enumerated by S.N. Chandrasekharan and Lakshman (1950). S. N. Chandrasekharan et al. (1951) brought out the wild flora of Nilgiri and its bearing on humanity. Information on Kodaikanal was furnished by Krishnaswami (1950) and Wyckoff (1951). The ecological adaptation of the mangrove vegetation at Pichavaram of South Arcot District was studied by Rajagopalan (1952). Lakshmanan's work on the hydrophytes of South India and on the hydrophytes of Annamalainagar and its environs (1953a, b) are significant. Krishnamurthy (1953) dealt with the horticultural and economic plants of Nilgiris while Rajasekhara Mudaliar and Sundararaj (1954) threw light on the floristic wealth of Tirunelveli District. Rajasekhara Mudaliar and Saktharam Rao (1955) revised the 'Handbook of some South Indian Weeds'.

The bibliographic works of Blatter (1911), Santapau (1958) and Narayanaswami (1961, 1965) also provide a wealth of information as regards the flora of Tamil Nadu.

RECENT BOTANICAL STUDIES

Contributions from Botanical Survey of India: With the reorganization of Botanical Survey of India and the establishment of Southern Circle at Coimbatore on 10th October, 1955, the taxonomic and floristic studies in Tamil Nadu began a new phase. The circle assessed the work already done and carefully demarcated unexplored and underexplored regions in the area. Intensive exploration in these areas resulted in the collection of a large number of plants and accumulation of a large quantity of data hitherto unknown. Three new genera and 38 other taxa new to science were discovered and described between 1960 and 1982. Records of several plants new to India and Peninsular India have been made. Many plants known only from type collections were relocated and collected. Rare, vulnerable and endangered plants have also been engaging the attention of the circle. Introduction and acclimatisation of indigenous but rare plants has been another aspect. Economic botany has not also been lost sight of. As an adjunct to the Southern Circle, an Experimental garden and Orchidarium was started at Sanyasimalai, Yercaud, Salem District in the year 1963. Many orchids and other rare and endangered plants were introduced, established and propagated in the garden. N.C. Nair et al. (1983) have highlighted some of the significant contributions from Southern circle on the above aspects.

Maruthamalai and Vellingiri hills of Coimbatore District was botanized by Sebastine (1959). Observations on the Boluvampatti forest by Subramanyam (1959) is another notable contribution. Nayar (1959) and Subramanyam and Henry (1959) studied the flora of Kanniyakumari and Algar hills respectively. Studies on the Flora of Pakasura hills, Nilgiris, by Sebastine, Singampatti R.F., Tirunelveli, by Sebastine and Henry, the fern flora of Shevaroy hills, Salem

District, by Subramanyam et al. are the main contributions in 1960. In 1961, Sebastine and Henry enumerated the vascular plants of Pachamalai hills of Tiruchchirappalli District. The pteridophytic flora of Cumbum valley and Pachakumatchi was studied by Subramanyam et al. (1961). Ramamurthy (1963) furnished an account of the vegetation in Kudiraimoli Teri of Tirunelveli District. An ecological account of the vegetation of Krusadai group of islands was provided by T. A. Rao et al. (1963a, b). Studies on the vegetation and flora of Siruvani (Henry, 1963), Boluvampatti (Sreemadhavan, 1965) and Parambikulam and Aliyar (Sebastine and Ramamurthy, 1966) added further information on the plant wealth of Coimbatore District. Sebastine and Ellis (1967) studied the vascular flora of Vedharanyam and Talaigaynar R.F. of Thanjavur. The flora of Dharmapuri District was studied by Vajravelu and Rathakrishnan (1967) while Subramanyam and Henry (1967) covered Javadi hills of North Arcot District. Additional information to the flora of Anamalai hills was given by Vajravelu and Joseph (1971). The coastal flora was studied by T. A. Rao (1971). A report on the flora of Boluvampatti was given by M.V. Viswanathan (1972). Agastyamalai floristically remained relatively unknown. This gap was filled up to a certain extent by Subramanyam and Henry (1973) and Henry and Subramanyam (1981). The work of Sharma et al. (1973) on Mahendragiri and surrounding areas gave additional information on the vegetation and flora of Kanniyakumari and Tirunelveli Districts.

A detailed checklist of plants of the Nilgiri was provided by Sharma et al. (1977). Rathakrishnan (1978) dealt with the rare and little known orchids from the former Presidency of Madras. Karthikeyan (1978) gave an account on the grasses of Shevaroy hills. Contributions to the district flora of Kanniyakumari and South Arcot were made by Henry and Swaminathan (1978) and Ramamurthy (1978a) respectively. Vajravelu and R. Chandrasekaran (1978) gave an account of the Flora of Parali forests and Sharma et al. (1978) of Mudumalai Wild Life Sanctuary of Nilgiri. Shetty

and Vivekananthan (1978) gave an account of endemic, primitive temperate and relict vegetation of Kundah range of Nilgiris. N.C. Nair and Bhargavan (1978) have reviewed the studies on the ferns of Peninsular India. A list of plants found in Vedanthangal waterbird sanctuary and Karkil water-fowl refuge of Chengalpattu District was provided by Henry and Swaminathan (1981). Chandrabose (1981) added information to the flora of Coimbatore city and its environs. N.C. Nair and S.R. Srinivasan (1981) made observations on the botany of Ramanathapuram District. V. J. Nair and N.C. Nair (1981) gave a review of the studies on the grass flora of the erstwhile Madras Presidency. Joseph (1982) brought out the orchid wealth of Nilgiris. K.K.N. Nair and Nayar (1982) and K.K.N. Nair (1982) described the forests of Courtallam. Ethnobotany of Tamil Nadu has received little attention. An attempt in this direction was made by Ramachandran and N.C. Nair (1981).

Karthikeyan et al. (1981) gave a bibliographical account of the floristic studies carried out in Indian Peninsula from 1959 to June 1978 while Basak (1983) reviewed the contributions of Botanical Survey of India *in toto*. Both these works refer to the floristic studies in Tamil Nadu.

Contributions from other Institutions: Knowledge on the flora of Tamil Nadu was also enriched by personnel other than that of the Botanical Survey of India. Studies on the vegetation of freshwater swamp of Uthangal, South Arcot District, was carried out by Kasinathan (1956, 1957). The works of Swamy and Govindarajulu (1956) on Courtallam and Govindarajulu and Swamy (1956, 1958) on Mundanthurai are significant contributions. Thirumalraj (1957) dealt with the mangrove forests of Thanjavur District. Saktharam Rao (1957a, b) gave accounts of the flora of Adayar (Madras) and the grass flora of Coimbatore District with special reference to fodder grasses.

Pallithanam (1957) made observations on the flora of Kodaikanal. The vegetation of Kodaikanal was also studied by Gupta (1960a, b; 1962a, b, c). In addition to plant ecology, he has also

provided a systematic enumeration. The vegetation of the districts of Nilgiri and Tirunelveli (Shankaranarayana, 1953, 1960), Salem (Shankaranarayana and Dobholkar, 1959) and Coimbatore (Shankaranarayana and Gupta, 1959) have been dealt with. Rege et al. (1959) furnished some more data on Nilgiris. Andiappan (1960) discussed the features of protection of tropical moist evergreen forests in the Madras State while Bhadrán and Achaya (1960) dealt with the tropical evergreen forests of the State. Matthew's (1959, 1962) work on the flora of Kodaikanal, exotic flora of Kodaikanal (1965, 1969), and flora of Nanthamalai and Pachamalai (1970, 1975) are the other important accounts. Matthew et al. (1975) gave another account of Kodaikanal, which deals with successional aspect of the vegetation and biological changes brought about during recent years. Information on the pine plantations at Kodaikanal was furnished earlier by Bhadrán (1962).

A brief account on the flora of Maruduvamalai (Kanniyakumari District) was given by Lawrence (1959) who later (1960) also described the vegetation of Kanniyakumari. The Hare and Church islands were explored by Sundararaj and Nagarajan (1964). This area was earlier explored by K. S. Srinivasan (1960) of Botanical Survey of India. The vegetation of Ramanathapuram and the soil erosion problems of Rameswaram in relation to forest types have been dealt with by Wilson (1960, 1965). Maps on the natural vegetation of South and North Arcot Districts were published by Dabholkar (1962a, b). Ghatak (1964) studied the fern flora of Shevaroy hills, Subramanian (1966) and Subramanian and Kalyani (1977) made further contributions to the flora of Boluvampatti and Dhimbam ghats of Coimbatore District, respectively. Venkatesan (1966) gave a floristic account of the mangroves of Madras State. A pictorial flora of

Courtallam was published by Arachi (1968).

Meher-Homji (1969, 1975) studied the successional and montane aspects of the vegetation of Kodaikanal. Biasco (1970, 1971) dealt with the flora and ecology of South Indian hills who later (1976) also described the mangroves of Tamil Nadu. Bir and Vasudeva (1971) also made a contribution to the pteridophytes of Kodaikanal. Chandrasekhar (1972) gave an account of the wild ferns of Madras city and its immediate neighbourhood. Balasubramanian (1972) reported the noteworthy plants from Nilgiris and Pulneys. Manickam and Ninan (1976, 1980) enumerated the ferns of Pulney hills and provided ecological notes on them. Samraj (1977) has dealt with the Nilgiri trees. The account of V. Krishnamurthy et al. (1978) on Theerthamalai near Harur gives further information on Dharmapuri District. L. Krishnamurthy et al. (1978) studied the halophytes with special reference to the mouth of Vellar. Matthew's (1981) *Materials for a Flora of the Tamil Nadu Carnatic* gives an enumeration of the plants of Salem, Dharmapuri, Tiruchchirappalli and South Arcot Districts. He also published (1982) *Illustrations on the Flora of the Tamil Nadu Carnatic*.

Various District Gazetteers and District Manuals of the erstwhile Madras Presidency, the Forest Working Plans of different regions prepared and released from time to time by Forest Department and the vegetation maps published by French Institute, Pondicherry, contain valuable data on the flora of Tamil Nadu.

In addition to the above floristic studies, several interesting plants, new records and new taxa have been described by workers both from the Botanical Survey of India and outside agencies. These are recorded at appropriate places in the enumeration.

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 first volume deals with about 2000 taxa, from Ranunculaceae to Sambucaceae. 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 district of Coimbatore as treated in the Analysis includes the newly formed district of Periyar. 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:

- : 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

RANUNCULACEAE

K. RAMAMURTHY

Anemone rivularis Buch.-Ham. ex DC. Syst. 1 : 211. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 9. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 3. 1957 (repr. ed.). *A. wightiana* Wight & Arn. Prodr. 3. 1834; Wight, Ic. t. 936. 1845.

A perennial herb with rootstock sheathed in fibres.

Distrib.: Coimbatore, Madurai, Nilgiri.

Clematis gouriana Roxb. ex DC. Syst. 1 : 139. 1817; Wight, Ic. tt. 933 & 934. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 4. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 2. 1957 (repr. ed.).

A climbing shrub in hilly regions.

Distrib.: Coimbatore, Dharmapuri, (Matthew 1981), Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli.

Clematis munroiana Wight, Ill. 1 : 5. t. 1. 1840; Dunn in Gamble, Fl. Pres. Madras 1 : 2. 1957 (repr. ed.), "*munroana*". *C. smilacifolia* sensu Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 3. 1872 p.p., non Wall. 1820.

A climbing shrub in hilly ranges.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Clematis smilacifolia Wall. Asiat. Res. 13 : 402. 1820; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 3. 1872 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 2. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Coimbatore, Madurai, Nilgiri and Tirunelveli (Dunn 1957).

Clematis theobromina Dunn in Kew Bull. 1914: 181. 1914 & in Gamble, Fl. Pres. Madras 1 : 2. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Nilgiri, O.

Clematis wightiana Wall. ex Wight & Arn. Prodr. 2. 1834; Wight, Ic. t. 935. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 5. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 2. 1957 (repr. ed.).

A large woody climber.

Distrib.: Madurai, Nilgiri.

Naravelia zeylanica (L.) DC. Syst. 1 : 167. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 7. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 3. 1957 (repr. ed.). *Atragene zeylanica* L. Sp. Pl. 542. 1753; Roxb. Pl. Cor. t. 188. 1805.

A climbing shrub; leaves 3-foliolate, the terminal leaflet transformed into a tendril.

Distrib.: Almost all districts.

Ranunculus diffusus DC. Prodr. 1 : 38. 1824; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 19. 1872. *R. subpinnatus* Wight & Arn. Prodr. 4. 1834; Wight, Ic. t. 49. 1838; Dunn in Gamble, Fl. Pres. Madras 1 : 4. 1957 (repr. ed.).

A perennial herb in high altitudes.

Distrib.: Madurai, Nilgiri.

Ranunculus muricatus L. Sp. Pl. 555. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 20. 1872; Fyson, Fl. South Indian Hill St. 2 : t. 17. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 4. 1957 (repr. ed.).

An annual herb.

Distrib.: Nilgiri.

Ranunculus reniformis Wall. ex Wight & Arn. Prodr. 3. 1834; Wight, Ic. t. 75. 1838; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 16. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 4. 1957 (repr. ed.).

An erect herb in high elevations.

Distrib.: Coimbatore, Madurai, Nilgiri.

Ranunculus wallichianus Wight & Arn. Prodr. 4. 1834; Wight, Ic. t. 937. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit.

India 1: 20. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 4. 1957 (repr. ed.).

A perennial, prostrate herb in high altitudes.

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

Thalictrum foliolosum DC. Syst. 1: 175. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 14. 1872; Subba Rao & Kumari in Bull. Bot. Surv. India 12: 208. 1970.

A herb in high ranges.

Distrib.: Nilgiri.

Thalictrum javanicum Blume, Bijdr. 2. 1825; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 13. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 3. 1957 (repr. ed.). *T. glyphocarpum* Wight & Arn. Prodr. 2. 1834; Wight, Ic. t. 48. 1838.

A perennial herb in high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Thalictrum saniculaeforme DC. Prodr. 1: 12. 1824; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 13. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 3. 1957 (repr. ed.).

An erect herb in high ranges.

Distrib.: Nilgiri.

DILLENiaceae

K. RAMAMURTHY

Acrotrema arnotianum Wight, Ill. 1: 1. 3. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 32. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 5. 1957 (repr. ed.).

A herb with woody rhizomes.

Distrib.: Kanniyakumari, Tirunelveli.

Dillenia bracteata Wight, Ic. t. 358. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 37. 1872 p.p.; Dunn in Gamble, Fl. Pres. Madras 1: 5. 1957 (repr. ed.).

A tree with silky pubescent tender branches.

Distrib.: Chengalpattu (CAL), Coimbatore (Fischer 1921), Nilgiri, North Arcot. E.

Dillenia indica L. Sp. Pl. 535. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 36. 1872 p.p.; Dunn in Gamble, Fl. Pres. Madras 1: 5. 1957 (repr. ed.). *D. speciosa* Thunb. in Trans. Linn. Soc. London 1: 200. 1791; Wight, Ic. t. 823. 1845.

A tree with tomentose branchlets.

Distrib.: Chengalpattu, Nilgiri. E.

Dillenia pentagyna Roxb. Pl. Cor. t. 20. 1795; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 38. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 6. 1957 (repr. ed.).

Tamil: *Naitekku*.

A deciduous tree in dry forests.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli. E.

Dillenia retusa Thunb. in Trans. Linn. Soc. London 1: 200. t. 19. 1791; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 37. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 5. 1957 (repr. ed.). *Wormia bracteata* sensu Bedd. Fl. Sylv. t. 115. 1871, non (Wight) Hook. f. & Thoms. 1855.

A large ornamental tree.

Distrib.: Coimbatore. E.R.

Tetracera akara (Burm. f.) Merr. in Philipp. J. Sci. 19: 366. 1921. *Calophyllum akara* Burm. f. Fl. Ind. 121. 1768. *Tetracera laevis* auct. non Vahl 1794; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 31. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 5. 1957 (repr. ed.). *T. rheedii* DC. Syst. 1: 402. 1817; Wight, Ic. t. 70. 1838.

A climbing shrub common in evergreen forests.

Distrib.: Kanniyakumari.

MAGNOLIACEAE

K. RAMAMURTHY

Magnolia campbellii Hook. f. & Thoms. Fl. Ind. 77. 1855 & in Hook. f. Fl. Brit. India 1: 41. 1872; Matthew in Rec. Bot. Surv. India 20 (1): 38. 1969.

A lofty tree, cultivated in hills.

Magnolia grandiflora L. Syst. Nat. 2 : 1082. 1759; Matthew in Rec. Bot. Surv. India 20(1) : 37. 1969.

An evergreen tree under cultivation.

Magnolia biliflora Desr. in Lam. Encycl. 3: 675. 1791; Matthew in Rec. Bot. Surv. India 20(1) : 39. 1969.

A large shrub with woody base, cultivated in hills.

Michelia champaca L. Sp. Pl. 536. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 42. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 6. 1957 (repr. ed.).

Tamil: *Chembagam*.

A tall evergreen tree.

Distrib.: Almost all districts, often cultivated. E.

Michelia nilagirica Zenk. Pl. Ind. 21.t. 20. 1835; Wight, Ic. t. 938. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 44. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 7. 1957 (repr. ed.).

A handsome tree in shola forests.

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

ANNONACEAE

K. RAMAMURTHY

Alphonsea lutea (Roxb.) Hook. f. & Thoms. Fl. Ind. 153. 1855 & in Hook. f. Fl. Brit. India 1 : 89. 1872; Bedd. Ic. t. 91. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 17. 1957 (repr. ed.). *Uvaria lutea* Roxb. Pl. Cor. t. 36. 1795.

A tree, leaves tomentose beneath.

Distrib.: Nilgiri, Tirunelveli.

Alphonsea madraspatana Bedd. Ic. t. 92. 1868-1874; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 89. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 16. 1957 (repr. ed.).

A handsome tree with ovate leaves.

Distrib.: North Arcot (Dunn 1957).

Alphonsea sclerocarpa Thw. Enum. Pl. Zeyl. II. 1858; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 89. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 16. 1957 (repr. ed.).

A tree with glabrous branchlets.

Distrib.: Almost all districts.

Alphonsea zeylanica Hook. f. & Thoms. Fl. Ind. 153. 1855 & in Hook. f. Fl. Brit. India 1 : 89. 1872; Bedd. Ic. t. 90. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 16. 1957 (repr. ed.).

A tree in evergreen forests.

Distrib.: Tirunelveli.

Annona cherimola Mill. Gard. Dict. ed. 8. n. 5. 1768; Sharma et al. in Biol. Mem. 2 (1 & 2): 11. 1977.

A small tree, cultivated for its edible fruits. E.

Annona muricata L. Sp. Pl. 536. 1753.

A small tree, cultivated for its fruits. E.

Annona reticulata L. Sp. Pl. 537. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 78. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 14. 1957 (repr. ed.).

A small tree, cultivated for its fruits. E.

Annona squamosa L. Sp. Pl. 537. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 78. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 14. 1957 (repr. ed.).

Tamil: *Sita*.

A small tree, cultivated for its fruits. E.

Artabotrys hexapetalus (L. f.) Bhandari in Baileya 12(4) : 149. 1964. *Annona hexapetala* L. f. Suppl. Pl. 270. 1781. *A. odoratissimus* R. Br. in Edward's Bot. Reg. 423. 1820; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 54. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 10. 1957 (repr. ed.).

A straggler, often cultivated for its flowers. E.

Artabotrys zeylanicus Hook. f. & Thoms. Fl. Ind. 128. 1855 & in Hook. f. Fl. Brit. India 1 : 54. 1872; Bedd. Ic. t. 48. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 10. 1957 (repr. ed.).

A woody climber in evergreen forests.

Distrib.: Nilgiri.

Cananga odorata (Lam.) Hook. f. & Thoms. Fl. Ind. 130. 1855 & in Hook. f. Fl. Brit. India 1: 56. 1872. *Uvaria odorata* Lam. Encycl. 1: 595. 1785.

A cultivated tree. E.

Cyathocalyx zeylanicus Champ. ex Hook. f. & Thoms. Fl. Ind. 127. 1855 & in Hook. f. Fl. Brit. India 1: 53. 1872; Bedd. Ic. t. 47. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 9. 1957 (repr. ed.).

An evergreen tree, common in moist forests.

Distrib.: Coimbatore. E.

Desmos lawii (Hook. f. & Thoms.) Safford in Bull. Torrey Bot. Club 39: 506. 1912. *Unona lawii* Hook. f. & Thoms. Fl. Ind. 132. 1855 & in Hook. f. Fl. Brit. India 1: 59. 1872; Bedd. Ic. t. 73. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 10. 1957 (repr. ed.).

A large shrub, common in slopes of hills at low elevations.

Distrib.: Coimbatore, Tirunelveli (HIFP).

Desmos viridiflorus (Bedd.) Safford in Bull. Torrey Bot. Club 39: 506. 1912. *Unona viridiflora* Bedd. Ic. t. 158. 1868-1874; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 60. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 10. 1957 (repr. ed.).

A large climber; young shoots rufous.

Distrib.: Coimbatore. R. +.

Goniothalamus cardiopetalus (Dalz.) Hook. f. & Thoms. Fl. Ind. 107. 1855 & in Hook. f. Fl. Brit. India 1: 75. 1872; Bedd. Ic. t. 62. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 13. 1957 (repr. ed.). *Polyalthia cardiopetala* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2: 39. 1850.

A small tree with hooded petals.

Distrib.: Coimbatore, Salem.

Goniothalamus rhynchantherus Dunn in Kew Bull. 1914: 182. 1914 & in Gamble, Fl. Pres. Madras 1: 13. 1957 (repr. ed.).

A small tree in high ranges.

Distrib.: Tirunelveli.

Goniothalamus thwaitesii Hook. f. & Thoms. Fl. Ind. 106. 1855 & in Hook. f. Fl. Brit. India 1: 72. 1872; Bedd. Ic. t. 58. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 13. 1957 (repr. ed.).

A small tree in moist forests.

Distrib.: Tirunelveli.

Goniothalamus wightii Hook. f. & Thoms. Fl. Ind. 106. 1855 & in Hook. f. Fl. Brit. India 1: 76. 1872; Bedd. Ic. t. 63. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 13. 1957 (repr. ed.).

A small tree in evergreen forests.

Distrib.: Coimbatore, Tirunelveli. E.

Goniothalamus wynadensis (Bedd.) Bedd. Ic. t. 61. 1868-1874; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 74. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 13. 1957 (repr. ed.). *Atrutegia wynadensis* Bedd. in Madras J. Lit. & Sci. ser. 3. 1: 37. f. 1. 1864.

An erect shrub in moist forests.

Distrib.: Nilgiri.

Meiogyne pannosa (Dalz.) Sinclair in Sarawak Mus. J. 5: 604. 1951. *Unona pannosa* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 207. 1851; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1: 58. 1872; Bedd. Ic. t. 52. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1: 10. 1957 (repr. ed.).

A small tree in moist forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Meiogyne ramarowii (Dunn) Gandhi in Saldanha & Nicolson, Fl. Hassan Dist. 38. 1976. *Unona ramarowii* Dunn in Kew Bull. 1914: 183. 1914 & in Gamble, Fl. Pres. Madras 1: 10. 1957 (repr. ed.). *Desmos ramarowii* (Dunn) Das in Bull. Bot. Surv. India 5: 42. 1963.

A small tree in high ranges.

Distrib.: Nilgiri.

Milium eriocarpa Dunn in Gamble, Fl. Pres. Madras 21. 1915 & 1: 15. 1957 (repr. ed.). *M. indica* Lesch. var. *tomentosa*

Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 86. 1872; Bedd. Ic. t. 85. 1868-1874.

A shrub with pubescent twigs, in hilly regions.

Distrib.: Almost all districts.

Milium montana Gard. ex Hook. f. & Thoms. Fl. Ind. 148. 1855; Bedd. Ic. t. 84. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 15. 1957 (repr. ed.). *M. indica* Lesch. var. *montana* (Gard. ex Hook. f. & Thoms.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 86. 1872.

A shrub with fragrant white flowers, in high altitudes.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Milium nilagirica Bedd. Ic. t. 88. 1868-1874; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 87. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 15. 1957 (repr. ed.).

A large shrub in high ranges.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Milium tomentosum (Roxb.) Sinclair in Gard. Bull. Straits Settlements, 14 : 378. 1955. *Uvaria tomentosa* Roxb. Pl. Cor. t. 35. 1795. *Saccopetalum tomentosum* (Roxb.) Hook. f. & Thoms. Fl. Ind. 152. 1855 & in Hook. f. Fl. Brit. India 1 : 88. 1872; Bedd. Ic. t. 49. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 16. 1957 (repr. ed.).

A large tree in deciduous forests.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Tirunelveli; Salem and South Arcot (Matthew 1981).

Milium wightiana Hook. f. & Thoms. Fl. Ind. 149. 1855 & in Hook. f. Fl. Brit. India 1 : 87. 1872; Bedd. Ic. t. 86. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 15. 1957 (repr. ed.).

A small evergreen tree.

Distrib.: Chengalpattu (PCM), Coimbatore (Dunn 1957), Kanniyakumari, Nilgiri, Tirunelveli.

Mitrephora heyneana (Hook. f. & Thoms.) Thw. Enum. Pl. Zeyl. 8. 1858;

Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 77. 1872; Bedd. Ic. t. 77. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 14. 1957 (repr. ed.). *Orophea heyneana* Hook. f. & Thoms. Fl. Ind. 110. 1855.

A small tree in hilly regions.

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

Orophea erythrocarpa Bedd. in Trans. Linn. Soc. London 20 : 5. 1846; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 91. 1872; Bedd. Ic. t. 68. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 17. 1957 (repr. ed.).

A middle sized tree in hilly regions.

Distrib.: Coimbatore.

Orophea thomsonii Bedd. in Trans. Linn. Soc. London 20 : 5. 1846; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 91. 1872; Bedd. Ic. t. 67. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 17. 1957 (repr. ed.).

A small tree in high elevations.

Distrib.: Coimbatore, Tirunelveli.

Orophea uniflora Hook. f. & Thoms. Fl. Ind. 111. 1855 & in Hook. f. Fl. Brit. India 1 : 90. 1872; Bedd. Ic. t. 69. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 17. 1957 (repr. ed.).

A small tree in high elevations.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Polyalthia cerasoides (Roxb.) Bedd. Fl. Sylv. t. 1. 1869; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 63. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 12. 1957 (repr. ed.). *Uvaria cerasoides* Roxb. Pl. Cor. t. 33. 1795.

Tamil: *Nakulsi*.

A tree in dry forests.

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

Polyalthia coffeoides (Hook. f. & Thoms.) Benth. & Hook. f. ex Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 62. 1872; Bedd. Ic. t. 53. 1868-1874;

Dunn in Gamble, Fl. Pres. Madras 1 : 11, 1957 (repr. ed.). *Guatteria coffeoides* Hook. f. & Thoms. Fl. Ind. 141, 1855.

Tamil : *Nedunarai*.

A tree in high elevations.

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

Polyalthia fragrans (Dalz.) Bedd. Fl. Sylv. t. 74, 1871; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 63, 1872; Bedd. Ic. t. 54, 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 16, 1957 (repr. ed.). *Guatteria fragrans* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 206, 1851.

Tamil : *Nedumar*.

A tall, straight, handsome tree in low elevations of hills.

Distrib.: Coimbatore. E.

Polyalthia korintii (Dunal) Thw. Enum. Pl. Zeyl. 398, 1864; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 64, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 11, 1957 (repr. ed.). *Guatteria korintii* Dunal, Monog. Anon. 133, 1817; Wight, Ic. t. 398, 1840.

A spreading shrub in hilly regions.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Polyalthia longifolia (Sonner.) Thw. Enum. Pl. Zeyl. 398, 1864; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 62, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 11, 1957 (repr. ed.). *Uvaria longifolia* Sonner. Voy. Aux. Indes 2 : 233, pl. 131, 1782; Bedd. Ic. t. 38, 1868-1874.

Tamil : *Assothi*.

A handsome cultivated tree.

Distrib.: Almost all districts.

Polyalthia rufescens Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 66, 1872; King in Ann. Roy. Bot. Gard. (Calcutta) 4 : 83, t. 116, 1894; Dunn in Gamble, Fl. Pres. Madras 1 : 12, 1957 (repr. ed.).

A tree with tomentose branches.

Distrib.: Tirunelveli. R.

Polyalthia suberosa (Roxb.) Thw. Enum. Pl. Zeyl. 398, 1864; Hook. f. & Thoms.

in Hook. f. Fl. Brit. India 1 : 66, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 12, 1957 (repr. ed.). *Uvaria suberosa* Roxb. Pl. Cor. t. 34, 1795.

A small evergreen tree.

Distrib.: Almost all districts.

Popowia beddomeana Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 68, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 12, 1957 (repr. ed.). *P. ramosissima* sensu Bedd. Ic. t. 75, 1868-1874, non Hook. f. & Thoms. 1855.

A much branched tree.

Distrib.: Tirunelveli. R. +.

Sageraea dalzellii Bedd. Ic. t. 42, 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 8, 1957 (repr. ed.). *Bocagea dalzellii* Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 92, 1872 p.p.

An evergreen tree.

Distrib.: Coimbatore (Fischer 1921), Tirunelveli.

Uvaria macropoda Hook. f. & Thoms. Fl. Ind. 101, 1855 & in Hook. f. Fl. Brit. India 1 : 50, 1872; Bedd. Ic. t. 79, 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 9, 1957 (repr. ed.).

A large woody climber in hilly regions.

Distrib.: South Arcot.

Uvaria narum (Dunal) Wall. ex Wight & Ara. Prodr. 9, 1834; Wight, Ill. 1 : t. 6, 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 50, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 9, 1957 (repr. ed.). *Unona narum* Dunal, Monog. Anon. 99, 1817.

A large woody climber.

Distrib.: Almost all districts.

Uvaria zeylanica L. Sp. Pl. 536, 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 51, 1872; Bedd. Ic. t. 78, 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 9, 1957 (repr. ed.).

A large woody climber.

Distrib.: Coimbatore, Madurai.

Xylopia parvifolia (Wight) Hook. f. & Thoms. Fl. Ind. 125. 1855 & in Hook. f. Fl. Brit. India 1 : 84. 1872; Bedd. Ic. t. 43. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 15. 1957 (repr. ed.). *Patonia parvifolia* Wight, Ill. 1:19. 1840.

A lofty buttressed tree with brown flowers.

Distrib.: Madurai.

MENISPERMACEAE

V. CHITHRA

Anamirta cocculus (L.) Wight & Arn. Prodr. 446. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 98. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 19. 1957 (repr. ed.). *Menispermum cocculus* L. Sp. Pl. 340. 1753.

A large climbing shrub or huge liana with long panicles drooping from nodes of the old wood; bark thick, corky.

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

Cissampelos pareira L. var. *hirsuta* (Buch.-Ham. ex DC.) Forman in Kew Bull. 22: 356. 1968. *C. hirsuta* Buch.-Ham. ex DC. Syst. 1 : 535. 1817. *C. pareira* L. Sp. Pl. 1031. 1753 p.p.; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 103. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 21. 1957 (repr. ed.).

Tamil: *Appatta*, *Urikkakodi*.

A twining dioecious perennial shrub with more or less pubescent branches.

Distrib.: Almost all districts. E.

Cocculus hirsutus (L.) Diels in Engler, Pflanzenr. 46 : 236. 1910; Dunn in Gamble, Fl. Pres. Madras 1 : 21. 1957 (repr. ed.). *Menispermum hirsutum* L. Sp. Pl. 341. 1753. *Cocculus villosus* (Lam.) DC. Syst. 1 : 525. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 101. 1872. *Menispermum villosum* Lam. Encycl. 4: 97. 1797.

Tamil: *Kattukodi*.

A straggling or climbing hirsute evergreen shrub with pale yellow flowers and reddish-purple drupelets, in rather dry localities.

Distrib.: Almost all districts. E.

Cocculus laurifolius DC. Syst. 1 : 530. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 101. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 21. 1957 (repr. ed.).

An erect evergreen shrub or small tree with pale yellow flowers.

Distrib.: Coimbatore, Nilgiri, Ramnathapuram. E.

Cocculus pendulus (Forst.) Diels in Engler, Pflanzenr. 46 : 237. 1910; Dunn in Gamble, Fl. Pres. Madras 1 : 21. 1957 (repr. ed.). *Epibaterium pendulum* Forst. Char. Gen. 108. t. 54. 1776. *Cocculus laeaba* (Del.) DC. Syst. 1:529. 1817; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 102. 1872. *Menispermum laeaba* Del. in Fl. Aegypt 140. t. 51. ff. 2&3. 1813.

Tamil: *Villumbi*.

A woody climber with greenish-yellow flowers, in dry regions.

Distrib.: Coimbatore, Madurai, Tirunelveli (Dunn 1957). E.

Coccinium fenestratum (Gaertn.) Coleb. in Trans. Linn. Soc. London 13: 65. 1822; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 99. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 19. 1957 (repr. ed.). *Menispermum fenestratum* Gaertn. Fruct. 1 : 219. t. 45. f. 5. 1788.

Tamil: *Maramanjai*.

A climbing shrub with greenish flowers.

Distrib.: Nilgiri. E.R.

Cyclea arnottii Miers in Ann. Mag. Nat. Hist. ser. 3. 18 : 19. 1866; Dunn in Gamble, Fl. Pres. Madras 1 : 22. 1957 (repr. ed.). *C. peltata* sensu Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 104. 1872 p.p.

A climbing shrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Cyclea peltata (Lam.) Hook. f. & Thoms. Fl. Ind. 201. 1855 & in Hook. f. Fl. Brit. India 1 : 104. 1872 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 22. 1957 (repr. ed.). *Menispermum peltatum* Lam. Encycl. 4 : 96. 1797. *Cyclea burmannii* Hook. f. & Thoms. Fl. Ind. 201. 1855 & in Hook. f. Fl. Brit. India 1 : 104. 1872.

Tamil: *Para*.

A climbing shrub; drupes white, pilose.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, North Arcot (Dunn 1957), Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Diploclisia glaucescens (Blume) Diels in Engler, Pflanzenr. 46: 225. t. 77. 1910; Dunn in Gamble, Fl. Pres. Madras 1 : 20. 1957 (repr. ed.). *Cocculus glaucescens* Blume, Bijdr. 25. 1825. *C. macrocarpus* Wight & Arn. Prodr. 13. 1834; Wight, Ill. 1 : 22. t. 7. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 101. 1872.

Tamil: *Kottaiyachachi*.

A leafy, deciduous climber with yellow flowers in long drooping panicles from the old wood.

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

Pachygone ovata (Poir.) Miers ex Hook. f. & Thoms. Fl. Ind. 203. 1855 & in Hook. f. Fl. Brit. India 1 : 105. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 22. 1957 (repr. ed.). *Cissampelos ovata* Poir. in Lam. Encycl. 5 : 10. 1804. *Cocculus plukenetii* DC. Syst. 1 : 520. 1817; Wight, Ic. tt. 824 & 825. 1844 - 1845.

Tamil: *Kadukkodi*.

A large, climbing, evergreen shrub with minute, white, sweet-scented flowers.

Distrib.: Almost all districts. E.

Stephania japonica (Thunb.) Miers in Ann. Mag. Nat. Hist. ser. 3. 18 : 14. 1866 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 21. 1957 (repr. ed.). *Menispermum japonicum* Thunb. Fl. Japan 193. 1784. *Stephania hernandifolia* sensu Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 103. 1872 p.p., non Walp. 1842. *Clypea hernandifolia* Wight & Arn. Prodr. 14. 1834; Wight, Ic. t. 939. 1845, excl. descr.

A climbing shrub; drupes red.

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

Stephania wightii (Arn.) Dunn in Gamble, Fl. Pres. Madras 30. 1915 & 1 : 21. 1957 (repr. ed.). *Clypea wightii* Arn. in Wight, Ill. 1 : 22. 1840. *Stephania rotunda* sensu Hook. f. & Thoms. Fl. Ind. 197. 1855 & in Hook. f. Fl. Brit. India 1 : 103. 1872 p.p., non Lour. 1790.

A climbing shrub.

Distrib.: Kanniyakumari, Nilgiri (PCM), Tirunelveli. E.

Tiliacora acuminata (Lam.) Hook. f. & Thoms. Fl. Ind. 187. 1855; Dunn in Gamble, Fl. Pres. Madras 1 : 20. 1957 (repr. ed.). *Menispermum acuminatum* Lam. Encycl. 4: 101. 1797. *Tiliacora racemosa* Coleb. in Trans. Linn. Soc. London 13: 67. 1822; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 99. 1872.

A large, climbing, evergreen shrub with yellow flowers, common in hedges and among bushes.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Salem (Matthew 1981), South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli; "all districts" (Dunn 1957). E.

Tinospora cordifolia (Willd.) Miers ex Hook. f. & Thoms. Fl. Ind. 184. 1855 & in Hook. f. Fl. Brit. India 1 : 97. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 19. 1957 (repr. ed.). *Menispermum cordifolium* Willd. Sp. Pl. 4 : 826. 1806. *Cocculus cordifolius* (Willd.) DC. Syst. 1 : 517. 1817; Wight, Ic. tt. 485 & 486. 1841.

Tamil: *Chintil*.

An extensive climber with succulent stems and yellow flowers at the nodes of the old wood; common in forests and among bushes.

Distrib.: Chengalpattu, Coimbatore (FRC), Dharmapuri, Nilgiri, Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT); "in almost all districts" (Dunn 1957).

BERBERIDACEAE

V. CHITHRA

Berberis lycium Royle in Trans. Linn. Soc. London 17 : 94. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 110. 1872.

An erect rigid herb with white bark; cultivated in gardens. E.

Berberis nilghiriensis Ahrendt in J. Asiat. Soc. Bengal 11 : 1. 1945.

An erect shrub.

Distrib.: Nilgiri (Ahrendt 1961). O.

Berberis tinctoria Lesch. in Mem. Mus. Natl. Hist. Nat. 9 : 306. 1822; Fyson, Fl. South Indian Hill St. 2 : t. 10. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 23. 1957 (repr. ed.).

An erect evergreen shrub.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Salem (Dunn 1957).

Berberis wightiana Schneid. in Bull. Herb. Boissier. ser. 2. 5 : 452. 1905.

An erect shrub.

Distrib.: Nilgiri (Ahrendt 1961).

Mahonia leschenaultii (Wall. ex Wight & Arn.) Takeda in Notes Roy. Bot. Gard. Edinburgh 6 : 223. 1917; Dunn in Gamble, Fl. Pres. Madras 1 : 23. 1957 (repr. ed.). *Berberis leschenaultii* Wall. ex Wight & Arn. Prodr. 16. 1834; Wight, Ic. t. 940. 1845. *B. nepalensis* Spreng. var. *leschenaultii* (Wall. ex Wight & Arn.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 109. 1872.

A shrub with stiff, erect, corky-barked stem; leaves spinous serrate, more or less falcate, coriaceous with recurved margins; in shola forests.

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

NELUMBONACEAE

S.R. SRINIVASAN

Nelumbo nucifera Gaertn. Fruct. 1 : 73. 1788. *Nymphaea nelumbo* L. Sp. Pl. 51. 1753. *Nelumbium speciosum* Willd. Sp. Pl. 2 : 1258. 1799; Wight, Ill. 1 : t. 9. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 116. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 24. 1957 (repr. ed.).

Tamil: *Tamaray, Ambal*.

A large erect herb in shallow waters and ponds.

Distrib.: Coimbatore, Madurai, Ramnathapuram, South Arcot (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli. E.

NYMPHAEACEAE

S.R. SRINIVASAN

Nymphaea nouchali Burm. f. Fl. Ind. 120. 1768. *N. stellata* Willd. Sp. Pl. 2 : 1153. 1799; Wight, Ic. t. 178. 1839; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 114. 1872 incl. vars.; Dunn in Gamble, Fl. Pres. Madras 1 : 24. 1957 (repr. ed.).

Tamil: *Karuneythal, Nilotpalam*.

An aquatic herb commonly grown in back waters, tanks and ponds.

Distrib.: Almost all districts. E.

Nymphaea pubescens Willd. Sp. Pl. 2 : 1154. 1799; Dunn in Gamble, Fl. Pres. Madras 1 : 24. 1957 (repr. ed.). *N. lotus* auct. non L. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 114. 1872 p.p. *N. lotus* L. var. *pubescens* (Willd.) Hook. f. & Thoms. Fl. Ind. 241. 1855 & in Hook. f. Fl. Brit. India 1 : 114. 1872.

Tamil: *Allitamarai, Vellambal*.

An aquatic herb in ditches and water tanks.

Distrib.: Almost all districts. E.

PAPAVERACEAE

S.R. SRINIVASAN

Argemone mexicana L. Sp. Pl. 508. 1753; Wight, Ill. 1 : t. 11. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 117. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 25. 1957 (repr. ed.).

Tamil: *Bramadand*.

A prickly annual herb in waste places and fallow fields.

Distrib.: Almost all districts. E.

Eschscholzia californica Cham. in Nees, Hor. Phys. Berol. 74. 1820.

An erect or diffuse herb, \pm 0.5 m high; cultivated in gardens. E.

Mecanopsis wallichii Hook. in Bot. Mag. t. 4668. 1849.

Cultivated in gardens as an ornamental. E.

Papaver fugax Poir. in Lam. Encycl. 5 : 118. 1804.

A biennial, more or less setose herb, planted in gardens.

Distrib.: Nilgiri. E.

Papaver somniferum L. Sp. Pl. 508. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 117. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 25. 1957 (repr. ed.).

Tamil: *Postaka*.

An erect unbranched annual herb in temperate and warm regions.

Distrib.: Nilgiri. E.

Romneya coulteri Harv. in London J. Bot. 4 : 74. t. 31. 1845; Matthew in Rec. Bot. Surv. India 20(1) : 39. 1969.

An erect, glabrous, branched, perennial herb; introduced in the gardens. E.

FUMARIACEAE

K. RAMAMURTHY

Corydalis lutea (L.) DC. Fl. Fr. 4 : 658. 1812; Fyson, Fl. South Indian Hill St. 1 : 19. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 40. 1969. *Fumaria lutea* L. Mant. Pl. 2 : 258. 1771.

A slender perennial herb with numerous stems from rootstock.

Distrib.: Madurai (PCM), Nilgiri (Fyson 1932).

Dicentra scandens (D. Don) Walp. Rep. 1 : 118. 1842. *Dietlytra scandens* D. Don, Prodr. Fl. Nep. 198. 1825. *Dicentra thalictrifolia* (Wall.) Hook. f. & Thoms. Fl. Ind. 273. 1855 & in Hook. f. Fl. Brit. India 1 : 121. 1872. *Dactylicapnos thalictrifolia* Wall. Tent. Fl. Nep. 51. t. 39. 1826.

Cultivated in gardens as an ornamental. E.

Fumaria indica (Hassk.) Pugsley in J. Linn. Soc. Bot. 44: 313. 1919. *F. vaillantii* Loisel. var. *indica* Hassk. in Flora 56 : 443. 1873. *F. parviflora* Lam. subsp. *vaillantii* sensu Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 128. 1872.

A weed of cultivation and along roadsides at hill stations.

Fumaria officinalis L. Sp. Pl. 700. 1753; Sharma et al. in Biol. Mem. 2 (1 & 2): 13. 1977.

A herbaceous weed with white flowers shaded pinkish, in high altitudes.

Distrib.: Nilgiri, Salem.

Fumaria parviflora Lam. Encycl. 2 : 567. 1788; Dunn in Gamble, Fl. Pres. Madras 1 : 26. 1957 (repr. ed.).

A diffuse herb with segmented leaves in high elevations.

Distrib.: Nilgiri, Salem (Matthew 1981).

CRUCIFERAE

(nom. alter. BRASSICACEAE)

V. CHITHRA

Barbarea intermedia Boreau, Fl. Cent. Fr. 2 : 48. 1840. *B. vulgaris* R. Br. var. *sicula* sensu Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 134. 1872, non *B. sicula* Presl 1822.

A herb.

Distrib.: "Nilghiri Mts" (Hook. f. & T. And. 1872).

Barbarea praecox R. Br. in Ait. Hort. Kew. ed. 2. 4: 109. 1812; Dunn in Gamble, Fl. Pres. Madras 1: 28. 1957 (repr. ed.).

A branching herb; an escape from cultivation in hill stations; "Winter Cress". E.

Barbarea vulgaris R. Br. in Ait. Hort. Kew. ed. 2. 4 : 109. 1812; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 134. 1872. *Erysinum barbarea* L. Sp. Pl. 660. 1753.

A glabrous, erect, perennial herb, introduced in the hills. E.

Brassica juncea (L.) Czern. & Coss. in Czern. Consp. Pl. Chark. 8. n. 5. 1859; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 157. 1872; Fyson, Fl. South Indian Hill St. 2 : t. 14. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 28. 1957 (repr. ed.). *Sinapis juncea* L. Sp. Pl. 668. 1753.

A tall, erect, branching herb; cultivated and sometimes runs wild. The Indian Mustard. E.

Brassica nigra (L.) Koch in Rochl. Deutschl. Fl. ed. 3. 4: 713. 1833; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 156. 1872. *Sinapis nigra* L. Sp. Pl. 668. 1753.

Tamil: *Kadugu*.

A rigid, branched, hispid annual herb; cultivated, sometimes runs wild; the Black Mustard or True Mustard. E.

Brassica oleracea L. var. *botrytis* L. Sp. Pl. 667. 1753.

A herb; the rachis of young inflorescences and pedicels are thickened into a dense fleshy yellowish white mass; cultivated; the Cauli flower. E.

Brassica oleracea L. var. *capitata* L. Sp. Pl. 667. 1753.

A thick, short-stemmed herb, cultivated for its fleshy terminal leafy bud; the Cabbage. E.

Brassica oleracea L. var. *gemmifera* Zenk. Fl. Thueringen 15: 2. 1836.

A herb; the stem bears a large number of little heads or 'sprouts' in the axils, crowded along its length in the upper portion; "the Brussels Sprouts"; cultivated in hill stations. E.

Brassica oleracea L. var. *gongylodes* L. Sp. Pl. 667. 1753.

A herb with tuberous stem, cultivated in hill stations. The Knol-Khol. E.

Brassica rapa L. Sp. Pl. 666. 1753. *B. campestris* L. subsp. *rapa* (L.) Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 156. 1872.

Tamil: *Karuppukkadugu*.

A tall, branching herb; cultivated; the Common Turnip. E.

Capsella bursa-pastoris (L.) Medicus, Pflanzeng. 85. 1792; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 159. 1872; Fyson, Fl. South Indian Hill St. 2 : t. 15. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.). *Thlaspi bursa-pastoris* L. Sp. Pl. 647. 1753.

A small herb at high elevations.

Distrib.: Madurai, Nilgiri. E.

Cardamine africana L. Sp. Pl. 655. 1753; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 137. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.). *C. borbonica* Pers. Syn. 2 : 195. 1806; Wight, Ic. t. 941. 1845.

A small, perennial herb.

Distrib.: Madurai, Nilgiri, Pudukkottai (RHT), Tirunelveli (Dunn 1957).

Cardamine hirsuta L. Sp. Pl. 655. 1753; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 138. 1872 incl. var. *sylvatica*; Fyson, Fl. South Indian Hill St. 2 : t. 13. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.).

A small herb.

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

Cardamine trichocarpa Hochst. ex A. Rich. Tent. Fl. Abyss. 1 : 18. 1847; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.). *C. subumbellata* Hook. ex Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 138. 1872.

A slender, diffuse, perennial herb.

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

Cheiranthus cheiri L. Sp. Pl. 661. 1753; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 132. 1872.

A herb, cultivated in gardens. E.

Coronopus didymus (L.) Sm. Fl. Brit. 2 : 691. 1800. *Lepidium didymum* L. Syst. Nat. 2: 433. 1759. *Senebiera didyma* (L.) Pers. Syn. 2 : 185. 1806; Dunn in Gamble, Fl. Pres. Madras 1 : 28. 1957 (repr. ed.).

A branched, spreading, prostrate herb; "Lesser Wart-cress".

Distrib.: Dharmapuri, Madurai, Nilgiri, Salem.

Eruca sativa Mill. Gard. Dict. ed. 8. n. 1. 1768; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 158. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 28. 1957 (repr. ed.). *Brassica eruca* L. Sp. Pl. 667. 1753.

An erect branching herb, escape from cultivation; "Rocket".

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

Iberis amara L. Sp. Pl. 649. 1753.

An erect herb with white flowers in corymbs; cultivated in gardens. E.

Lepidium ruderale L. Sp. Pl. 645. 1753; non sensu Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 160. 1872; Nair & Pandey in Bull. Bot. Surv. India 14 : 157. 1972.

A herb with minute flowers.

Distrib.: Dharmapuri (Matthew 1981), Salem.

Lepidium sativum L. Sp. Pl. 644. 1753; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 159. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 28. 1957 (repr. ed.).

Tamil: *Aliverai*.

An erect annual, cultivated in hill stations; "the Garden Cress" E.

Lepidium virginicum L. Sp. Pl. 645. 1753; Nair & Pandey in Bull. Bot. Surv. India 14 : 157. 1972.

A herb.

Distrib.: Salem.

Lobularia maritima (L.) Desv. in J. Bot. 3 : 169. 1814. *Clypeola maritima* L. Sp. Pl. 652. 1753.

A diffuse herb with numerous white fragrant flowers in lengthening racemes; cultivated in gardens.

Raphanus sativus L. Sp. Pl. 669. 1753; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 166. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 28. 1957 (repr. ed.).

Tamil: *Mullangi*.

A herb, cultivated for its fleshy roots; the Radish. E.

Rorippa indica (L.) Hiern, Cat. Afr. Pl. Welw. 26. 1896. *Sisymbrium indicum* L. Mant. Pl. 93. 1767. *Nasturtium indicum* (L.) DC. Prodr. 1 : 139. 1824; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 134. 1872 p.p. excl. var. *benghalense*; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.). *N. madagascariense* sensu Wight & Arn. Prodr. 19. 1834, non DC. 1821; Wight, Ill. 1 : t. 13. 1840.

Tamil: *Kattukadugu*.

An erect herb in wet places in hilly areas.

Distrib.: Coimbatore, Nilgiri (Dunn 1957), North Arcot, Tiruchchirappalli (RHT). E.

Rorippa madagascariensis (DC.) Hara in J. Jap. Bot. 30 : 198. 1955. *Nasturtium madagascariense* DC. Syst. 2 : 192. 1821; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.).

A herb at low elevations.

Distrib.: Dharmapuri, Madurai, North Arcot, Salem.

Rorippa nasturtium aquaticum (L.) Hayek in Sched. Fl. Stir. Exs. 22. 1905. *Sisymbrium nasturtium aquaticum* L. Sp. Pl. 657. 1753. *Nasturtium officinale* R. Br. in Ait. Hort. Kew. ed. 2, 4 : 111. 1812; Hook. f. & T. And. in Hook. f. Fl. Brit. India 1 : 133. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 27. 1957 (repr. ed.).

A branched perennial aquatic herb, probably introduced in the hills. E.

Sisymbrium volgense Ledeb. ex Shmal. Fl. Yuz. Ross. 1 : 66. 1895.

A branched herb with showy yellow flowers, introduced in the hills.

CAPPARACEAE

S. R. SRINIVASAN

Cadaba fruticosa (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3 : 415.

1914. *Cleome fruticosa* L. Sp. Pl. 671. 1753. *Cadaba indica* Lam. Encycl. 1 : 544. 1785; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 172. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 31. 1957 (repr. ed.).

Tamil: *Katagatti*.

A straggling shrub, in waste places, on old walls and trees.

Distrib.: In most of the districts. E.

Cadaba trifoliata (Roxb.) Wight & Arn. in Wight, Cat. 7. 1833 & Prodr. 24. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 172. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 31. 1957 (repr. ed.). *Stremia trifoliata* Roxb. Fl. Ind. 2 : 79. 1824.

Tamil: *Manudukkurundu, Viluti*.

A large shrub.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Pudukottai, Ramanathapuram, Salem, South Arcot (Matthew 1981), Tiruchchirappalli, Tirunelveli. E.

Capparis brevispina DC. Prodr. 1 : 246. 1824; Wight, Ic. t. 126. 1837; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.). *C. zeylanica* sensu Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 174. 1872 p.p., non L. 1762.

A dense shrub or slender tree in dry forest tracts.

Distrib.: Chengalpattu, Pudukkottai, Ramanathapuram, South Arcot, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Capparis decidua (Forsk.) Edgew. in J. Linn. Soc. Bot. 6: 184. 1862. *Sodada decidua* Forsk. Fl. Aeg. Arab. 81. 1775. *Capparis aphylla* Roth, Nov. Pl. Sp. 238. 1821; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 174. 1872; Brandis, For. Fl. 14. t. 3. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.).

Tamil: *Sengam*.

Low shrubs to small trees.

Distrib.: Tirunelveli. E.

Capparis divaricata Lam. Encycl. 1: 606. 1785; Wight, Ic. t. 889. 1844-1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 174. 1872. *C. stylosa*

DC. Prodr. 1 : 246. 1824; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.).

Tamil: *Toaratti*.

A shrub or small tree in dry forests on stony land and on black cotton soil.

Distrib.: Coimbatore, Dharmapuri, Madurai, Salem (Matthew 1981), South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Capparis diversifolia Wight & Arn. Prodr. 27. 1834; Wight in Hooker's Icon. Pl. t. 181. 1837; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 175. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.).

A shrub, 1.5 - 2 m tall.

Distrib.: Coimbatore, Tirunelveli.

Capparis fusifera Dunn in Kew Bull. 1914: 377. 1914 & in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.). *C. tomentella* Dunn in Gamble, Fl. Pres. Madras 46. 1915 & 1 : 33. 1957 (repr. ed.). *C. parviflora* sensu Bedd. Ic. t. 276. 1868 1874, non Hook. f. & Thoms. 1872.

A shrub, ± 2 m tall.

Distrib.: Coimbatore, Tirunelveli (Dunn 1957).

Capparis grandiflora Wall. ex Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 174. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.). *C. pyrifolia* Wight & Arn. Prodr. 25. 1834, non Lam. 1785; Wight, Ic. t. 1047. 1846.

A shrub with spreading branches.

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

Capparis grandis L. f. Suppl. Pl. 263. 1781; Wight, Ic. t. 21. 1838; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 176. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.).

Tamil: *Mudkondai, Nakkulijan, Turatta*.

A small tree with white durable wood, in hilly forests.

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

Thanjavur, Tiruchchirappalli (RHT), Tirunelveli. E.

Capparis moonii Wight, Ill. 1 : 35. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 175. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.).

A very large woody climber.

Distrib.: Coimbatore, Nilgiri (Jacobs 1965), Tirunelveli. E.

Capparis olacifolia Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 178. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957. (repr. ed.).

A thorny erect shrub, ± 2 m tall in the hilly regions.

Distrib.: Tirunelveli. E.

Capparis parviflora Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 176. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.).

A spreading irregularly branched shrub.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli.

Capparis rheedii DC. Prodr. 1 : 246. 1824; Nicolson in Bull. Bot. Surv. India 17 : 161. 1975. *C. heyneana* Wall. ex Wight & Arn. Prodr. 25. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 174. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 32. 1957 (repr. ed.). *C. badueca* auct. non L. 1753.

A large, much branched shrub or tree 5 - 6 m high.

Distrib.: Tirunelveli. E.

Capparis rotundifolia Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 185. 1803; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.). *C. pedunculosa* Wall. ex Wight & Arn. Prodr. 27. 1834; Wight in Hooker's Icon. Pl. t. 128. 1837; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 176. 1872; Bedd. Ic. t. 227. 1868 - 1874.

A dense shrub, 3 - 5 m tall in coastal regions.

Distrib.: "Point Calimere in Tanjore" (Dunn 1957).

Capparis roxburghii DC. Prodr. 1 : 247. 1824; Wight, Ic. t. 1048. 1846; Hook. f.

& Thoms. in Hook. f. Fl. Brit. India 1 : 175. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.).

A large woody climber.

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

Capparis sepiaria L. Syst. Nat. ed. 10. 2 : 1071. 1759; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 177. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.). *C. incanescens* DC. Prodr. 1 : 247. 1824; Hooker's Icon. Pl. t. 123. 1837.

Tamil: *Karunjurai*.

A much branched shrub, sometimes climbing, very thorny, in dry forests and in hedges.

Distrib.: Almost all districts. E.

Capparis spinosa L. Sp. Pl. 503. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 173. 1872.

A small prostrate shrub on the hilly regions.

Distrib.: Madurai (FRC). E.

Capparis zeylanica L. Sp. Pl. ed. 2. 720. 1762; Dunn in Gamble, Fl. Pres. Madras 1 : 33. 1957 (repr. ed.). *C. horrida* L. f. Suppl. Pl. 264. 1781; Wight, Ic. t. 173. 1839; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 178. 1872.

Tamil: *Atanday, Adondai, Tondai*.

A large climbing, very thorny shrub in dry forests.

Distrib.: Almost all districts. E.

Crataeva adansonii DC. subsp. *odora* (Buch. Ham.) Jacobs in Blumea 12: 198. 1964. *C. odora* Buch. Ham. in Trans. Linn. Soc. London 15 : 118. 1827. *C. religiosa* Forst. f. var. *roxburghii* (R. Br.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 172. 1872. *C. roxburghii* R. Br. in Denh. & Clapp. Narr. Trav. Disc. Afri. App. 224. 1826; Wight in Hooker's Icon. Pl. t. 137. 1837. *C. religiosa* sensu Dunn in Gamble, Fl. Pres. Madras 1 : 34. 1957 (repr. ed.) p.p., non Forst. f. 1786.

A small tree 6 - 10 m tall, in the hills.

Distrib.: Nilgiri. E.R.

Crataeva magna (Lour.) DC. Prodr. 1 : 243. 1824; Jacobs in Steenis, Fl. Males. ser. 1. 7 : 822. 1976 in *Adendum. Capparis magna* Lour. Fl. Cochinch. 1 : 331. 1790. *Crataeva nurvala* Buch. Ham. in Trans. Linn. Soc. London 15 : 121. 1827, "nurvala". *C. religiosa* Forst. f. var. *nurvala* (Buch.-Ham.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 172. 1872. *C. religiosa* sensu Dunn in Gamble, Fl. Pres. Madras 47 1915 & 1 : 34. 1957 (repr. ed.) p.p., non Forst. f. 1786.

Tamil: *Maralingam*.

A medium-sized tree along river banks.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, North Arcot, Ramanathapuram, South Arcot, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981). E.

Maerua apetala (Roth) Jacobs in Blumea 12 : 207. 1964. *Capparis apetala* Roth, Nov. Pl. Sp. 238. 1821. *Niebuhria linearis* DC. Prodr. 1 : 244. 1824; Wight, Ic. t. 174. 1839; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 171. 1872. *N. apetala* Dunn in Gamble, Fl. Pres. Madras 41. 1915 & 1 : 30. 1957 (repr. ed.).

Tamil: *Iruvalli*.

A small unarmed tree in dry forest tracts.

Distrib.: Kanniyakumari, Madurai, Ramanathapuram, Tiruchchirappalli (FRC), Tirunelveli.

Maerua oblongifolia (Forsk.) A. Rich. in Guill. & Perr. Fl. Seneg. Tent. 1 : 32. t. 5. 1831. *Capparis oblongifolia* Forsk. Fl. Aeg. Arab. 99. 1775. *Maerua arenaria* (DC.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 171. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 30. 1957 (repr. ed.). *Niebuhria arenaria* DC. Prodr. 1 : 244. 1824.

Tamil: *Mulmurandai*, *Bhummichakkarai*,

A large woody climber.

Distrib.: Almost all districts.

Steriphoma cleomoides Spreng. Syst. 4. Curr. Post. 139. 1827.

A climbing shrub; introduced in gardens. E.

CLEOMACHAE

S.R. SRINIVASAN

Cleome angustifolia Forsk. Fl. Aeg. Arab. 120. 1775. *C. tenella* L. f. Suppl. Pl. 300. 1781; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 169. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

An annual herb in dry sandy places.

Distrib.: Kanniyakumari, Ramanathapuram, Salem, South Arcot (Matthew 1981), Tirunelveli.

Cleome aspera Koen. ex DC. Prodr. 1 : 241. 1824; Wight, Ic. t. 287. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 169. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

A prickly, much branched herb in sandy fields and waste lands.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, North Arcot, Pudukkottai (RHT), Ramanathapuram, Thanjavur, Tiruchchirappalli (RHT); Salem and South Arcot (Matthew 1981).

Cleome burmannii Wight & Arn. Prodr. 22. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 170. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

An annual herb in cultivated lands and in dry places.

Distrib.: Thanjavur, Tirunelveli.

Cleome chelidonii L. f. Suppl. Pl. 300. 1781; Wight, Ic. t. 319. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 170. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

An erect, much branched herb in cultivated fields.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT). E.

Cleome felina L. f. Suppl. Pl. 300. 1781; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 170. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

An erect, much branched herb, in dry places and on black cotton soil.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Salem, South Arcot, Tiruchchitappalli (RHT). E.

Cleome gynandra L. Sp. Pl. 671. 1753. *Gynandropsis pentaphylla* (L.) DC. Prodr. 1 : 238. 1824; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 171. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.). *Cleome pentaphylla* L. Sp. Pl. ed. 2. 983. 1762.

A tall annual herb in waste places.

Distrib.: Almost all districts. E.

Cleome monophylla L. Sp. Pl. 672. 1753; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 168. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

A weed of cultivated fields and waste places.

Distrib.: In most of the districts.

Cleome speciosa Rafin. Fl. Ludovic. 86. 1817. *Gynandropsis speciosa* (Rafin.) DC. Prodr. 1 : 238. 1824.

Cultivated in gardens as an ornamental. E.

Cleome viscosa L. Sp. Pl. 672. 1753; Wight, Ic. t. 2. 1838; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 170. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 29. 1957 (repr. ed.).

An erect annual herb in fields and waste places.

Distrib.: In most of the districts. E.

RESEDACEAE

K. RAMAMURTHY

Reseda alba L. Sp. Pl. 449. 1753; Sharma et al. in Biol. Mem. 2 (1 & 2): 14. 1977.

A herbaceous alien weed, in hill stations.

Reseda luteola L. Sp. Pl. 448. 1753; Dunn in Gamble, Fl. Pres. Madras 1 : 34. 1957 (repr. ed.).

A weed in high ranges.

Distrib.: Madurai (UCT), Nilgiri (Dunn 1957). E.

VIOLACEAE

V. CHITHRA

Hybanthus enneaspermus (L.) F. v. Muell. Fragm. Phyt. Austr. 10 : 81. 1876. *Viola enneasperma* L. Sp. Pl. 937. 1753. *Ionidium suffruticosum* (L.) Ging. in DC. Prodr. 1 : 311. 1824; Wight, Ic. t. 308. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 185. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 35. 1957 (repr. ed.). *Viola suffruticosa* L. Sp. Pl. 937. 1753.

Tamil: *Orilaittamarai*, *Purusharatnam*.

A herb or undershrub in grassy places, fields, roadsides and open forest lands.

Distrib.: Almost all districts. E.

Hybanthus travancoricus (Bedd.) Melch. in Engler & Prantl, Pflanzenf. ed. 2. 21 : 360. 1925. *Ionidium travancoricum* Bedd. Ic. t. 230. 1868-1874; Dunn in Gamble, Fl. Pres. Madras 1 : 35. 1957 (repr. ed.).

A herb or shrub in forest undergrowth.

Distrib.: Tirunelveli. E.+.

Viola arcuata Blume, Bijdr. 58. 1825. *V. distans* Wall. in Trans. Med. Soc. Calcutta 7 : 227. 1835; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 183. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 35. 1957 (repr. ed.).

A small herb.

Distrib.: Madurai, Nilgiri.

Viola betonicifolia J.E. Smith in Rees, Cyclop. 37 : n. 7. 1817, subsp. *nepalensis* (Ging.) Becker in Bot. Jahrb. 54 : Beibl. 120, 166. 1917. *V. patrinii* var. *nepalensis* Ging. in DC. Prodr. 1 : 293. 1824. *V. patrinii* auct. non Ging. 1824; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 183. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 35. 1957 (repr. ed.). *V. walkeri* Wight, Ill. 1 : 42. t. 18. 1840.

A small, stemless herb.

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

Viola canescens Wall. ex Roxb. Fl. Ind. 2 : 450. 1824; Fyson, Fl. South Indian Hill St. 1 : 27. 1932. *V. serpens* Wall. ex Ging. var. *canescens* (Wall. ex

Roxb.) Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 184. 1872.

Closely tufted, stemless herb; leaves densely hispid - pubescent; stipules fringed.

Distrib.: Madurai (PCM).

Viola pilosa Blume. Cat. Gew. Buitenz. 57. 1823. *V. serpens* Wall. ex Ging. in DC. Prodr. 1 : 296. 1824; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 184. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 35. 1957 (repr. ed.). *V. wightiana* Wall. ex Wight, Ic. t. 943. 1845.

A small herb with leafy stem.

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

BIXACEAE

S.R. SRINIVASAN

Bixa orellana L. Sp. Pl. 512. 1753; Bedd. Fl. Sylv. t. 79. 1871; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 190. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 37. 1957 (repr. ed.).

Tamil: *Japhara*.

A small evergreen tree; cultivated and found run wild. E.

COCHLOSPERMACEAE

S.R. SRINIVASAN

Cochlospermum religiosum (L.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 14. 1931. *Bombax religiosum* L. Sp. Pl. 512. 1753. *Cochlospermum gossypium* DC. Prodr. 1 : 527. 1824 ; Bedd. Fl. Sylv. t. 171. 1872; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 190. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 36. 1957 (repr. ed.).

Tamil: *Tanaku, Kongillam*.

A deciduous tree, in dry forests on stony hills.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, South Arcot (Matthew 1981), Tiruchchirappalli (RHT). E.

FLACOURTIACEAE (incl. SAMYDACEAE)

S.R. SRINIVASAN

Aphloia mauritiana Baker. Fl. Maurit. 12. 1877; Matthew in Rec. Bot. Surv. India 20(1) : 43. 1969.

A glabrous, branched, erect shrub up to 3 m tall, mostly cultivated. E.

Casearia bourdillonii Mukherjee in Bull. Bot. Soc. Bengal 19 : 109. 1965 (1967). *C. varians* Bedd. Fl. Sylv. t. 208. 1872, non Thw. 1864; Gamble, Fl. Pres. Madras 1 : 368. 1957 (repr. ed.).

A small glabrous apparently evergreen tree in the hills.

Distrib.: Madurai.

Casearia coriacea Thw. Enum. Pl. Zeyl. 20. 1858; Clarke in Hook. f. Fl. Brit. India 2 : 592. 1879; Gamble, Fl. Pres. Madras 1 : 368. 1957 (repr. ed.).

An evergreen tree with yellowish-white smooth bark, growing in shola forests.

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

Casearia elliptica Willd. Sp. Pl. 2 : 628. 1799; Wight, Ic. t. 1849. 1852. *C. tomentosa* Roxb. Fl. Ind. 2 : 421. 1832; Clarke in Hook. f. Fl. Brit. India 2 : 593. 1879; Gamble, Fl. Pres. Madras 1 : 368. 1957 (repr. ed.).

Tamil: *Kadichai*.

A bushy shrub or small tree, in all plain forests and very common in open and much grazed lands.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT). E.

Casearia esculenta Roxb. Fl. Ind. 2 : 422. 1832; Clarke in Hook. f. Fl. Brit. India 2 : 592. 1879; Gamble, Fl. Pres. Madras 1 : 368. 1957 (repr. ed.).

Tamil: *Kottargovai*.

A small tree in the forests and in the coastal regions.

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

Thanjavur, Tiruchchirappalli (RHT), Tirunelveli. E.

Casearia graveolens Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4 : 107. 1852; Clarke in Hook. f. Fl. Brit. India 2 : 592. 1879; Gamble, Fl. Pres. Madras 1 : 367. 1957 (repr. ed.).

A small deciduous tree.

Distrib.: Coimbatore (Fischer 1921).

Casearia rubescens Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4 : 108. 1852; Clarke in Hook. f. Fl. Brit. India 2 : 593. 1879; Gamble, Fl. Pres. Madras 1 : 367. 1957 (repr. ed.).

A large shrub apparently seen in evergreen forests.

Distrib.: Madurai, Ramanathapuram, Tirunelveli.

Casearia wynadensis Bedd. Ic. t. 160. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 594. 1879; Gamble, Fl. Pres. Madras 1 : 368. 1957 (repr. ed.).

A small villous tree with slender branchlets in the forests of hilly regions.

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

Flacourtia indica (Burm. f.) Merr. Interpr. Rumph. Herb. Amb. 377. 1917. *Gmelina indica* Burm. f. Fl. Ind. 132. t. 39. f. 5. 1768. *Flacourtia ramontchi* L' Herit. Strip. Nov. 3 : 59. tt. 30 & 30 B. 1786; Wight, Ic. t. 85. 1838; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 193. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 39. 1957 (repr. ed.). *F. sepiaria* Roxb. Pl. Cor. t. 68. 1795; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 194. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 39. 1957 (repr. ed.).

Tamil: *Katukalai, Sottaikalai, Kodumundi.*

A shrub in scrub forests and on rocky hills.

Distrib.: Almost all districts. E.

Flacourtia jangomas (Lour.) Raeusch. Nomencl. Bot. ed. 3. 290. 1797. *Stigmaraota jangomas* Lour. Fl. Cochinch. 2 : 634. 1790; Hook. f. & Thoms. in

Hook. f. Fl. Brit. India 1 : 193. 1872. *Flacourtia cataphracta* Roxb. ex Willd. Sp. Pl. 4 : 830. 1806; Roxb. Pl. Cor. t. 222. 1811; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 193. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 39. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore.

Flacourtia montana Graham, Cat. Pl. Bombay 10. 1839; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 192. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 39. 1957 (repr. ed.).

A very thorny tree in the forests of Ghats.

Distrib.: Coimbatore.

Homalium jainii Henry & Swamin. in J. Bombay Nat. Hist. Soc. 78: 570. 1981.

A tree up to 30 m tall; in dense evergreen forests, also noticed along streams and river beds in rocky places.

Distrib.: Kanniyakumari.

Homalium travancoricum Bedd. Fl. Sylv. t. 211. 1872; Clarke in Hook. f. Fl. Brit. India 2 : 598. 1879; Gamble, Fl. Pres. Madras 1 : 369. 1957 (repr. ed.).

A medium-sized ornamental tree in evergreen forests at low levels.

Distrib.: Ramanathapuram, Tirunelveli.

Homalium zeylanicum (Gard.) Benth. in J. Linn. Soc. Bot. 4 : 35. 1860; Bedd. Fl. Sylv. t. 210. 1872; Clarke in Hook. f. Fl. Brit. India 2 : 596. 1879; Gamble, Fl. Pres. Madras 1 : 369. 1957 (repr. ed.). *Blackwellia zeylanica* Gard. in Calcutta J. Nat. Hist. 7 : 452. 1847.

A large evergreen tree.

Distrib.: Nilgiri, North Arcot. E.

Hydnocarpus alpina Wight, Ic. t. 942. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 197. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 37. 1957 (repr. ed.).

Tamil: *Attuchankalai.*

A large evergreen tree.

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

Hydnocarpus laurifolia (Dennst.) Sleumer in Bot. Jahrb. Syst. 69 : 33. 1938. *Munnicksia laurifolia* Dennst. Schluss. Hort. Ind. Malab. 27. 1818. *Hydnocarpus inebrians* Vahl, Symb. Bot. 3 : 100. 1794; Wight, Ill. 1 : t. 16. 1840. *H. wightiana* Blume in Rumph. 4 : 22. 1848; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 196. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 37. 1957 (repr. ed.).

Tamil: *Maravetti, Maravuttai.*

A large evergreen tree.

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

Oncoba spinosa Forsk. Fl. Aeg. - Arab. 103. 1775.

A shrub, cultivated in gardens. E.

Scelopia crenata (Wight & Arn.) Clos in Ann. Sci. Nat. Bot. ser. 4. 8 : 250. 1857, var. *crenata*; Bedd. Fl. Sylv. t. 78. 1871; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 191. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 38. 1957 (repr. ed.). *Phoberos crenatus* Wight & Arn. Prodr. 29. 1834.

Tamil: *Charalu.*

A medium-sized tree in hilly regions.

Distrib.: Almost all districts. E.

Scelopia crenata (Wight & Arn.) Clos var. *brevifolia* Mukherjee in J. Bombay Nat. Hist. Soc. 69 : 394. 1972 (1973).

A tree.

Distrib.: Tiruchchirappalli and Tirunelveli (Mukherjee 1972).

Xylosma latifolium Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 194. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 38. 1957 (repr. ed.).

A large thorny tree in the hill forests.

Distrib.: Nilgiri.

Xylosma longifolium Clos in Ann. Sci. Nat. Bot. ser. 4. 8 : 231. 1857; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 194. 1872; Brandis, For. Fl. t. 4. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 38. 1957 (repr. ed.).

A small tree, unarmed or with a few very long straight spines.

Distrib.: Nilgiri.

PITTOSPORACEAE

R. CHANDRASEKARAN

Hymenosporum flavum (Hook.) F. v. Muell. Fragm. Phyt. Austr. 2 : 77. 1860. *Pittosporum flavum* Hook. in Bot. Mag. t. 4799. 1854.

A small tree; cultivated. E.

Pittosporum anamallayense Nayar & Giri in Fas. Fl. India 6 : 4. ff. 1 - 5. 1980.

A shrub.

Distrib.: Coimbatore. O.

Pittosporum bicolor Hook. in J. Bot. (Hooker) 1 : 249. 1834.

Cultivated. E.

Pittosporum ceylanicum Wight, Ill. 1 : 173. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 199. 1872; Nayar & Giri in Fas. Fl. India 6 : 4. 1980.

A shrub or small tree.

Distrib.: Nilgiri (Nayar & Giri 1980). R.

Pittosporum crassifolium Soland. ex Putterl. Syn. Pittosp. 12. 1839.

An erect evergreen shrub or small tree; cultivated. E.

Pittosporum dasycaulon Miq. Anal. Bot. Ind. 3 : 5. 1850; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 199. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 40. 1957 (repr. ed.).

A shrub or small tree with densely tomentose branchlets.

Distrib.: Nilgiri, Salem (Fyson 1932); "W. Ghats in Shola Forests above 3000 ft., from Mysore to Travancore" (Dunn 1957). E.R.

Pittosporum eugeniolides A. Cunn. in Ann. Nat. Hist. ser. 1. 5 : 106. 1840.

A tall shrub or small tree; cultivated. E.

Pittosporum napanulense (DC.) Rehder & Wilson, Pl. Wilson. 3 : 326. 1916. *Senecia napanulensis* DC. Prodr. 1 : 347.

1824. *Pittosporum floribundum* Wight & Arn. Prodr. 154. 1834; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 199. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 40. 1957 (repr. ed.).

Tamil: *Kattu sampangi*, *Nangundai*.

A shrub or small tree with variable size and shape of leaves and inflorescence.

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

Pittosporum neelgherrense Wight & Arn. Prodr. 154. 1834; Wight, Ill. 1 : t. 70. 1840; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 198. 1872, "*nilgherrense*"; Dunn in Gamble, Fl. Pres. Madras 1 : 40. 1957 (repr. ed.).

A tree in shola forests.

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

Pittosporum tetraspermum Wight & Arn. Prodr. 154. 1834; Wight, Ic. t. 971. 1845; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 198. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 40. 1957 (repr. ed.).

A large shrub or tree in shola forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Fyson 1932), Tirunelveli. E.

Pittosporum tobira (Thunb.) Ait. Hort. Kew. ed. 2. 2 : 27. 1811. *Euonymus tobira* Thunb. Fl. Japan 99. 1784.

A shrub; cultivated. E.

Pittosporum umbellatum Gaertn. Fruct. 1 : 286. 1788.

Cultivated. E.

Pittosporum undulatum Vent. Descr. Pl. Jard. Cels. t. 76. 1802.

A shrub or small tree; cultivated. E.

Pittosporum viridulum Nayar, Giri & Chandrasekaran in Fas. Fl. India 6 : 11. ff. 1-4. 1980.

A small tree; leaves remaining greenish on drying.

Distrib.: Nilgiri.

Sollya heterophylla Lindl. in Edward's Bot. Reg. t. 1466. 1832.

A small shrub; cultivated. E.

POLYGALACEAE

M. CHANDRABOSE

Muraltia juniperifolia DC. Prodr. 1 : 336. 1824.

An introduced shrub, cultivated in the hills.

Polygala arillata Buch. Ham. ex D. Don, Prodr. Fl. Nep. 199. 1825; Wall. Pl. Asiat. Rar. t. 100. 1830; Bennett in Hook. f. Fl. Brit. India 1 : 200. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 41. 1957 (repr. ed.); Mukherjee in Cent. Souv. Madras Herb. 50. 1954 incl. formae *chartacea*, *meeboldii* & *revoluta*; Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90 : 110. 1981.

A large erect shrub in the hilly tracts.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (Sebastine 1960), Salem, Tirunelveli. E.

Polygala arvensis Willd. Sp. Pl. 3 : 876. 1802; Burt in Notes Roy. Bot. Gard. Edinburgh 32 : 404. 1973; Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90 : 110. 1981. *P. chinensis* auct. non L. 1753; Bennett in Hook. f. Fl. Brit. India 1 : 204. 1872 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 42. 1957 (repr. ed.); Mukherjee in Bull. Bot. Soc. Bengal 12 : 38. 1958 p.p. *P. chinensis* var. *linarifolia* sensu Mukherjee in Bull. Bot. Soc. Bengal 12 : 40. 1958, non (Willd.) Chodat 1893.

An erect or ascending annual herb in the plains and low hills.

Distrib.: All districts. E.

Polygala bolbothrix Dunn in Gamble, Fl. Pres. Madras 58. 1915 & 1 : 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90 : 120. 1981. *P. ramaswamiana* Mukherjee in J. Bombay Nat. Hist. Soc. 53 : 55. 1955 incl. vars. *devicolamensis* & *palniensis*, & in Bull. Bot. Soc. Bengal 12 : 38. 1958.

A diffuse annual herb in open grasslands of the hills.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Salem, Tirunelveli.

Polygala chinensis L. Sp. Pl. 704. 1753; Mukherjee in Bull. Bot. Soc. Bengal 12: 38. 1958 p.p.; Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 118. 1981. *P. glomerata* Lour. Fl. Cochinch. 426. 1790; Bennett in Hook. f. Fl. Brit. India 1: 206. 1872; Sundararaj in J. Bombay Nat. Hist. Soc. 53: 523. 1956; Burt in Notes Roy. Bot. Gard. Edinburgh 32: 404. 1973.

An erect or ascending perennial herb in open grasslands.

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

Polygala elongata Klein ex Willd. Sp. Pl. 3: 879. 1802; Bennett in Hook. f. Fl. Brit. India 1: 203. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 125. 1981.

An erect annual herb in open lands and low hills.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Polygala erioptera DC. Prodr. 1: 326. 1824; Bennett in Hook. f. Fl. Brit. India 1: 203. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 121. 1981. *P. erioptera* DC. var. *vahlia* (DC.) Chodat in Mem. Soc. Phys. Geneve 31 (2): 281. 1893; Mukherjee in Bull. Bot. Soc. Bengal 12: 47. 1958. *P. vahlia* DC. Prodr. 1: 326. 1824.

A diffuse annual herb in open lands.

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

Polygala jacobii Chandrabose in Bull. Bot. Surv. India 9: 288. ff. 1-7. 1967; Chandrabose & Nair in Proc. Indian

Acad. Sci. (Plant Sci.) 90: 114. 1981. *P. chinensis* sensu Mudaliar & Rao, Handb. South Indian Weeds 85. t. 32. 1955, non L. 1753. *P. dumii* Panigrahi in Kew Bull. 29: 655. 1974.

An ascending or decumbent annual herb in the plains.

Distrib.: Coimbatore, South Arcot (Matthew 1981), Tiruchchirappalli.

Polygala javana DC. Prodr. 1: 327. 1824; Bennett in Hook. f. Fl. Brit. India 1: 201. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 42. 1957 (repr. ed.); Mukherjee in Bull. Bot. Soc. Bengal 12: 45. 1958 incl. var. *angustifolia* Thw.; Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 112. 1981. *P. raoi* R. N. Ban. & L. K. Ban. in Proc. Indian Acad. Sci. 82B: 218. 1975.

A perennial undershrub in the hills.

Distrib.: Almost all districts. E.

Polygala longifolia Poir. in Lam. Encycl. 5: 501. 1804; Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 116. 1981. *P. leptalea* DC. Prodr. 1: 325. 1824; Bennett in Hook. f. Fl. Brit. India 1: 202. 1872; Dunn in Gamble, Fl. Pres. Madras 1: 42. 1957 (repr. ed.).

An erect annual herb in the hills.

Distrib.: Coimbatore (CAL), Nilgiri (Dunn 1957). E.

Polygala myrtifolia L. Sp. Pl. 703. 1753; Sharma et al. in Biol. Mem. 2 (1 & 2): 16. 1977.

An introduced ornamental shrub.

Polygala persicariifolia DC. Prodr. 1: 326. 1824; Bennett in Hook. f. Fl. Brit. India 1: 202. 1872, "*persicariifolia*"; Dunn in Gamble, Fl. Pres. Madras 1: 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 115. 1981.

An erect annual herb especially in grasslands and open places in the hills.

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

Polygala rosmarinifolia Wight & Arn. Prodr. 37. 1834; Bennett in Hook. f. Fl. Brit. India 1: 204. 1872; Dunn in Gamble,

Fl. Pres. Madras 1 : 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 122. 1981.

A suffrutescent annual herb in the hills.

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

Polygala sibirica L. Sp. Pl. 702. 1753; Bennett in Hook. f. Fl. Brit. India 1 : 205. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90 : 113. 1981. *P. sibirica* L. var. *heyneana* (Wall. ex Wight & Arn.) Bennett in Hook. f. Fl. Brit. India 1 : 205. 1872. *P. heyneana* Wall. ex Wight & Arn. Prodr. 38, 1834.

A perennial herb in the hills.

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

Polygala telephioides Willd. Sp. Pl. 3: 876. 1803; Bennett in Hook. f. Fl. Brit. India 1 : 205. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90: 117. 1981. *P. brachystachya* DC. Prodr. 1 : 326. 1824; Mukherjee in Bull. Bot. Soc. Bengal 12 : 43. 1958. *P. chinensis* sensu Adema in Blumea 14: 269. 1966, non L. 1753.

A diffuse herb in open lands.

Distrib.: Chengalpattu (Dunn 1957), Dharmapuri (Matthew 1981), Kanniyakumari, Ramanathapuram, Tirunelveli. E.

Polygala virgata Thunb. Prodr. Pl. Cap. 120. 1794; Sharma et al. in Biol. Mem. 2 (1 & 2): 16. 1977.

An introduced shrub, grown in the hills.

Polygala wightiana Wall. ex Wight & Arn. Prodr. 38. 1834; Dunn in Gamble, Fl. Pres. Madras 1 : 42. 1957 (repr. ed.); Chandrabose & Nair in Proc. Indian Acad. Sci. (Plant Sci.) 90 : 121. 1981.

An erect or ascending herb.

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

Securidaca bracteata Bennett in Hook. f. Fl. Brit. India 1 : 208. 1872.

Grown as an ornamental shrub.

XANTHOPHYLLACEAE

M. CHANDRABOSE

Xanthophyllum flavescens Roxb. Pl. Cor. t. 248. 1815; Bennett in Hook. f. Fl. Brit. India 1 : 209. 1874 incl. var. *angustifolium* Wight & var. *virens* Roxb.; Dunn in Gamble, Fl. Pres. Madras 1 : 42. 1957 (repr. ed.).

Tamil: *Muttai, Karungali.*

A large tree in the hill forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

CARYOPHYLLACEAE

K. RAMAMURTHY

Arenaria neelgerrensis Wight & Arn. Prodr. 43. 1834; Wight, Ic. t. 949. 1845; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 239. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 45. 1957 (repr. ed.).

A procumbent herb in high elevations.

Distrib.: Nilgiri.

Arenaria serpyllifolia L. Sp. Pl. 423. 1753; Dunn in Gamble, Fl. Pres. Madras 1 : 45. 1957 (repr. ed.).

An annual, decumbent herb.

Distrib.: "Formerly found near Madras" (Dunn 1957).

Cerastium glomeratum Thuill. Fl. Par. ed. 2. 226. 1799; Dunn in Gamble, Fl. Pres. Madras 1 : 44. 1957 (repr. ed.). *C. vulgatum* L. Fl. Suess. ed. 2 : 158. 1755 p.p.; Wight, Ic. t. 948. 1845; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 228. 1874.

A pubescent herb in high ranges.

Distrib.: Madurai, Nilgiri.

Cerastium indicum Wight & Arn. Prodr. 43. 1834; Wight, Ill. 1 : t. 26. 1840; Edgew. & Hook. f. in Hook. f.

Fl. Brit. India 1 : 227. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 44. 1957 (repr. ed.).

A straggling herb with white flowers found abundant in sholas.

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

Drymaria cordata (L.) Willd. ex Roem. & Schultes subsp. *diandra* (Blume) Duke in Ann. Missouri Bot. Gard. 48: 253. 1961. *D. diandra* Blume, Bijdr. 62. 1825. *D. cordata* sensu Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 244. 1874 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 46. 1957 (repr. ed.).

A diffuse glabrous herb.

Distrib.: In most of the districts.

Drymaria villosa Cham. & Schlecht. in Linnaea 5 : 232. 1830; Sharma et al. in Biol. Mem. 2 (1 & 2): 16. 1977.

An annual herb in low altitudes of hills.

Distrib.: Coimbatore, Nilgiri.

Polycarpaea aurea Wight & Arn. in Ann. Nat. Hist. ser. 1. 3: 91. 1839; Dunn in Gamble, Fl. Pres. Madras 1 : 47. 1957 (repr. ed.). *P. corymbosa* Lam. var. *aurea* (Wight & Arn.) Wight, Ill. 2 : 44. t. 110. 1850; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 245. 1874.

An erect herb.

Distrib.: Chengalpattu (PCM), Coimbatore, Madurai (FRC), North Arcot, Tirunelveli.

Polycarpaea corymbosa (L.) Lam. Tabl. Encycl. 2: 129. 1797; Wight, Ic. t. 712. 1843; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 245. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 46. 1957 (repr. ed.). *Achyranthes corymbosa* L. Sp. Pl. 205. 1753.

Tamil: *Nilaisedachi*.

A common erect herb.

Distrib.: In all districts.

Polycarpaea diffusa Wight & Arn. in Ann. Nat. Hist. ser. 1. 3: 91. 1839; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 245. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 47. 1957 (repr. ed.).

An undershrub growing in sandy area.

Distrib.: "Near Tuticorin in Tinnevely" (Dunn 1957).

Polycarpaea spicata Wight & Arn. in Ann. Nat. Hist. ser. 1. 3: 91. 1839; Wight, Ic. t. 510. 1841; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 246. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 46. 1957 (repr. ed.).

An erect herb.

Distrib.: Ramanathapuram, Tirunelveli.

Polycarpon prostratum (Forsk.) Asch. & Schweinf. in Oesterr. Bot. Z. 39: 128. 1889. *Alsine prostrata* Forsk. Fl. Aeg. Arab. 207. 1775. *Polycarpon loeflingiae* (Wall. ex Wight & Arn.) Benth. ex Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 245. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 46. 1957 (repr. ed.). *Hapalosa loeflingiae* Wall. ex Wight & Arn. Prodr. 358. 1834.

An alien weed acclimatized well.

Distrib.: Almost all districts.

Polycarpon tetraphyllum (L.) L. Syst. Nat. ed. 10. 881. 1759; Fyson, Fl. South Indian Hill. St. 2: t. 28. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 46. 1957 (repr. ed.). *Mollugo tetraphylla* L. Sp. Pl. 89. 1753.

An introduced weed with white flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Sagina saginoides (L.) Karsten, Deutsch. Fl. 539. 1882. *Spergula saginoides* L. Sp. Pl. 441. 1753. *S. procumbens* L. Sp. Pl. 128. 1753; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 242. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 45. 1957 (repr. ed.).

An annual herb with white flowers, in high elevations.

Distrib.: Nilgiri.

Scleranthus annuus L. Sp. Pl. 406. 1753; Subba Rao & Kumari in Bull. Bot. Surv. India 13: 347. 1971.

A herb in high altitudes.

Distrib.: Nilgiri.

Silene armeria L. Sp. Pl. 420. 1753.
A herb cultivated for ornament. E.

Silene gallica L. Sp. Pl. 417. 1753;
Edgew. & Hook. f. in Hook. f. Fl. Brit.
India 1 : 218. 1874; Fyson, Fl. South
Indian Hill St. 2 : t. 24. 1932; Dunn in
Gamble, Fl. Pres. Madras 1 : 44. 1957
(repr. ed.).

An erect annual herb with bluish
flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Spergula arvensis L. Sp. Pl. 440. 1753;
Edgew. & Hook. f. in Hook. f. Fl. Brit.
India 1 : 243. 1874; Fyson, Fl. South
Indian Hill St. 2 : t. 27. 1932; Dunn in
Gamble, Fl. Pres. Madras 1 : 45. 1957
(repr. ed.).

A loosely branched herb in high alti-
tudes.

Distrib.: Madurai, Nilgiri.

Stellaria media (L.) Vill. Cyr. Ess.
Pl. Char. 36. 1784; Wight, Ic. t. 947.
1845; Edgew. & Hook. f. in Hook. f.
Fl. Brit. India 1 : 230. 1874; Dunn in
Gamble, Fl. Pres. Madras 1 : 45. 1957
(repr. ed.). *Aisne media* L. Sp. Pl. 272.
1753.

A hairy herb in high ranges.

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

Stellaria monosperma Buch. Ham.
ex D. Don var. *paniculata* (Edgew.)
Majumdar in J. Indian Bot. Soc. 44 :
142. 1965. *S. paniculata* Edgew. in Trans.
Linn. Soc. London 20 : 35. 1846; Edgew. &
Hook. f. in Hook. f. Fl. Brit. India 1 : 229.
1874; Dunn in Gamble, Fl. Pres. Madras
1 : 45. 1957 (repr. ed.).

A herb common in high elevations.

Distrib.: Nilgiri.

Stellaria vestita Kurz in J. Bot. 11:
194. 1873. *S. saxatilis* Buch. - Ham.
ex D. Don, Prodr. Fl. Nep. 215. 1825,
non Scop. 1772; Edgew. & Hook. f.
in Hook. f. Fl. Brit. India 1 : 232. 1874;
Dunn in Gamble, Fl. Pres. Madras
1 : 45. 1957 (repr. ed.). *S. hamiltoniana*
Majumdar in J. Indian Bot. Soc. 44:
142. 1965.

A herb with stellate tomentum in high
altitudes.

Distrib.: Nilgiri.

Vaccaria pyramidata Medicus, Phil.
Bot. 1 : 96. 1789. *Saponaria vaccaria*
L. Sp. Pl. 407. 1753; Edgew. & Hook. f.
in Hook. f. Fl. Brit. India 1 : 217. 1874;
Dunn in Gamble, Fl. Pres. Madras 1 : 44
1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore. E.

PORTULACACEAE

R. CHANDRASEKARAN

Portulaca oleracea L. Sp. Pl. 445.
1753, var. *oleracea*; Dyer in Hook. f.
Fl. Brit. India 1 : 246. 1874; Dunn in
Gamble, Fl. Pres. Madras 1 : 47. 1957
(repr. ed.).

Tamil: *Karikkirai*, *Parupukkirai*,
Pulikkirai.

A prostrate annual herb.

Distrib.: All districts. E.

Portulaca oleracea L. var. *linearifolia*
Sivarajan & Manilal in New Botanist
4 : 30. 1977 & J. Bombay Nat. Hist. Soc.
78 : 258. 1981.

A prostrate annual herb.

Distrib.: Coimbatore, Ramanatha-
puram.

Portulaca pilosa L. Sp. Pl. 445. 1753,
subsp. *pilosa*. *P. tuberosa* Roxb. Fl. Ind.
2 : 464. 1832; Dyer in Hook. f. Fl. Brit.
India 1 : 247. 1874; Dunn in Gamble,
Fl. Pres. Madras 1 : 47. 1957 (repr. ed.).

A perennial succulent herb.

Distrib.: Chengalpattu, Coimbatore,
North Arcot, Ramanathapuram, South
Arcot, Thanjavur, Tirunelveli. E.

Portulaca pilosa L. subsp. *grandiflora*
(Hook.) Geesink in Blumea 17 : 297.
1969. *P. grandiflora* Hook. in Bot. Mag.
t. 2885. 1829.

An ornamental herb, cultivated. E.

Portulaca quadrifida L. Syst. Nat. ed. 12, 328. 1766 & Mant. Pl. 73. 1767; Wight, Ill. 2 : t. 109. 1850; Dyer in Hook. f. Fl. Brit. India 1 : 247. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 47. 1957 (repr. ed.).

Tamil: *Passalaikkirai*, *Sinnaparupukkirai*.

A small diffuse annual herb.

Distrib.: Almost all districts. E.

Portulaca suffruticosa Wight ex Wight & Arn. Prodr. 356. 1834; Dyer in Hook. f. Fl. Brit. India 1 : 247. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 47. 1957 (repr. ed.).

An undershrub.

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

Portulaca wightiana Wall. ex Wight & Arn. Prodr. 356. 1834; Dyer in Hook. f. Fl. Brit. India 1 : 247. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 47. 1957 (repr. ed.).

A small herb usually on rocks.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli.

Talinum portulacifolium (Forsk.) Asch. & Schweinf. in Bull. Herb. Boissier 4. App. 2 : 172. 1896. *Orygia portulacifolia* Forsk. Fl. Aeg.-Arab. 103. 1775. *Talinum cuneifolium* (Vahl) Willd. Sp. Pl. 2 : 864. 1799; Dyer in Hook. f. Fl. Brit. India 1 : 247. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 48. 1957 (repr. ed.). *Portulaca cuneifolia* Vahl, Symb. Bot. 1 : 33. 1790.

An erect undershrub.

Distrib.: Coimbatore, Madurai, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Talinum triangulare Willd. Sp. Pl. 2 : 862. 1799; Subramaniam & Chandrasekaran in Madras Agri. J. 40 : 51. 1953.

Tamil: *Pasali*.

A perennial, succulent, non fibrous, erect shrub, cultivated as a green vegetable. E.

TAMARICACEAE

K. RAMAMURTHY

Tamarix aphylla (L.) Karsten, Deutsch. Fl. 641. 1880-1883. *Thuja aphylla* L. Cent. Pl. 1 : 32. 1755. *Tamarix orientalis* Forsk. Fl. Aeg.-Arab. 206. 1775.

A tree, cultivated.

Tamarix ericoides Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 214. 1803; Dyer in Hook. f. Fl. Brit. India 1 : 249. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 49. 1957 (repr. ed.). *Trichaurus ericoides* (Rottl.) Wight & Arn. Prodr. 40. 1834; Wight, Ic. t. 22. 1838.

A slender shrub.

Distrib.: Chengalpattu, Tiruchchirappalli.

Tamarix troupii Hole in Indian Forester 14: 248. 1914. *T. gallica* auct. non L. 1753; Dyer in Hook. f. Fl. Brit. India 1 : 248. 1874; Brandis, For. Fl. t. 5. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 48. 1957 (repr. ed.).

Tamil: *Kiri*.

A small tree.

Distrib.: Coimbatore, Thanjavur, Tiruchchirappalli (RHT); "Deccan" (Dunn 1957). E.

ELATINACEAE

S.R. SRINIVASAN

Bergia aestivosa Wight & Arn. Prodr. 41. 1834; Dyer in Hook. f. Fl. Brit. India 1 : 251. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 50. 1957 (repr. ed.). *Elatine aestivosa* (Wight & Arn.) Wight, Ic. t. 222. 1839.

An erect terrestrial herb.

Distrib.: "Carnatic, about Madras" (Dunn 1957).

Bergia ammannioides Roxb. Hort. Beng. 34. 1814, nom. valid., "*ammanoides*"; Wight, Ill. 1 : t. 25A. 1840; Dyer in Hook. f. Fl. Brit. India 1 : 251. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 50. 1957 (repr. ed.).

Annual, erect, ascending or decumbent herb in marshy places.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Thanjavur, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Bergia capensis L. Mant. Pl. 2 : 241. 1771; Dunn in Gamble, Fl. Pres. Madras 1 : 49. 1957 (repr. ed.). *B. verticillata* Willd. Sp. Pl. 2 : 770. 1799, nom. illeg.; Dyer in Hook. f. Fl. Brit. India 1 : 252. 1874. *Bergia aquatica* Roxb. Pl. Cor. t. 142. 1800.

A glabrous succulent herb growing in rice fields and in the margins of tanks.

Distrib.: Chengalpattu, Coimbatore, Madurai, Thanjavur, Tiruchchirappalli (RHT); Salem and South Arcot (Matthew 1981).

Elatine ambigua Wight in Bot. Misc. 2 Suppl.: 103. t. 5. 1831; Wight, Ill. 1 : t. 25B. 1840; Dyer in Hook. f. Fl. Brit. India 1 : 251. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 49. 1957 (repr. ed.).

A prostrate herb growing in patches on mud.

Distrib.: Chengalpattu (CAL & PCM); Salem and Tiruchchirappalli (Matthew 1981).

Elatine triandra Schkuhr, Bot. Handb. 1 : 345. t. 109b. f. 2. 1787. 1791. *E. americana* Arn. in Edinburgh J. Nat. Geogr. Sci. 1 : 431. 1830; Dyer in Hook. f. Fl. Brit. India 1 : 250. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 49. 1957 (repr. ed.).

A prostrate herb growing in patches on mud.

Distrib.: Chengalpattu, Nilgiri, Tirunelveli.

HYPERICACEAE

V. CHITHRA

Hypericum androsaemum L. Sp. Pl. 784. 1753.

A dense, aromatic undershrub, cultivated in gardens.

Hypericum hookerianum Wight & Arn. Prodr. 99. 1834; Wight, Ic. t. 959. 1845; Dyer in Hook. f. Fl. Brit. India 1 : 254. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 50. 1957 (repr. ed.).

A handsome shrub with golden yellow flowers, in shola forests.

Distrib.: Madurai, Nilgiri. E.

Hypericum humifusum L. Sp. Pl. 785. 1753; Dyer in Hook. f. Fl. Brit. India 1 : 255. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 51. 1957 (repr. ed.).

A glabrous perennial herb.

Distrib.: Nilgiri. E. R.

Hypericum japonicum Thunb. ex Murr. Syst. Veg. ed. 14. 702. 1784; Dyer in Hook. f. Fl. Brit. India 1 : 256. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 32. 1932 incl. var. *majus* Fyson, "*major*"; Dunn in Gamble, Fl. Pres. Madras 1 : 51. 1957 (repr. ed.).

An erect or procumbent herb; flowers yellow, in dichotomous cymes.

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

Hypericum mysurense Heyne ex Wight & Arn. Prodr. 99. 1834; Dyer in Hook. f. Fl. Brit. India 1 : 253. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 50. 1957 (repr. ed.). *Norysca mysurenensis* (Heyne ex Wight & Arn.) Wight, Ic. t. 56. 1838.

A large shrub on the open grassy slopes.

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

Hypericum uralum Buch. Ham. ex D. Don in Bot. Mag. t. 2375. 1823. *H. patulum* auct. non Thunb. 1784; Dyer in Hook. f. Fl. Brit. India 1 : 254. 1874.

A handsome, evergreen shrub, cultivated. E.

Hypericum wightianum Wall. ex Wight & Arn. Prodr. 99. 1834; Fyson, Fl. South Indian Hill St. 2 : t. 31. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 50. 1957 (repr. ed.). *H. napaulense* sensu Dyer in Hook. f. Fl. Brit. India 1 : 256. 1874 p.p., non Choisy 1824.

A slender, diffuse or prostrate herb.

Distrib.: Madurai, Nilgiri.

GUTTIFERAE (nom.alt. CLUSIACEAE)
K. RAMAMURTHY

Calophyllum apetalum Willd. in Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamten Naturk. 5 : 79. 1811 p.p. *C. decipiens* Wight, Ic. t. 106. 1839; Dunn in Gamble, Fl. Pres. Madras 1 : 54. 1957 (repr. ed.). *C. wightianum* Wall. ex Planch. & Triana in Ann. Sci. Nat. Bot. ser. 4. 15 : 256. 1862; T. And. in Hook. f. Fl. Brit. India 1 : 274. 1874.

A moderate sized tree.

Distrib.: Coimbatore, Thanjavur, Tirunelveli (HIFP). E.

Calophyllum austroindicum Kosterm. ex Stevens in J. Arnold Arbor. 61 : 250. 1980. *C. trapezifolium* auct. non Thw. 1858; T. And. in Hook. f. Fl. Brit. India 1 : 275. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 55. 1957 (repr. ed.).

A tall tree in evergreen forests.

Distrib.: Kanniyakumari (UCT), Tirunelveli.

Calophyllum inophyllum L. Sp. Pl. 513. 1753; Wight, Ill. 1 : t. 77. 1840; T. And. in Hook. f. Fl. Brit. India 1 : 273. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 55. 1957 (repr. ed.).

Tamil: *Pinnai*.

A moderate sized tree.

Distrib.: Most of the districts. E.

Calophyllum polyanthum Wall. ex Choisy, Descr. Guttif. Ind. 43. 1849.

C. elatum Bedd. Fl. Sylv. t. 2. 1869; Dunn in Gamble, Fl. Pres. Madras 1 : 54. 1957 (repr. ed.). *C. tomentosum* auct. non Wight 1839; T. And. in Hook. f. Fl. Brit. India 1 : 274. 1874 p.p.

Tamil: *Kattu pinnai*.

An evergreen tree.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Garcinia cowa Roxb. ex DC. Prodr. 1 : 561. 1824; T. And. in Hook. f. Fl. Brit. India 1 : 262. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.).

An erect tree in low elevation of hills.

Distrib.: Nilgiri, Tirunelveli. E.

***Garcinia echinocarpa** Thw. in Hooker's J. Bot. Kew Gard. Misc. 6 : 71. 1854. *G. echinocarpa* Thw. var. 2; T. And. in Hook. f. Fl. Brit. India 1 : 264. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 52. 1957 (repr. ed.).

A handsome evergreen tree.

Distrib.: Tirunelveli.

Garcinia gummi-gutta (L.) Robs. in Brittonia 20 : 103. 1968. *Cambogia gummi-gutta* L. Gen. Pl. ed. 5. 522. 1754. *Garcinia cambogia* (Gaertn.) Desr. in Lam. Encycl. 3 : 701. 1792; T. And. in Hook. f. Fl. Brit. India 1 : 261. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.) p.p. *Mangostana cambogia* Gaertn. Fruct. 2 : 106. 1790. *Garcinia cambogia* var. *conicarpa* (Wight) T. And. in Hook. f. Fl. Brit. India 1 : 262. 1874. *G. conicarpa* Wight, Ic. t. 121. 1839.

Tamil: *Kodakkapuli*.

A small evergreen tree.

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

*According to Kostermans (Ceylon J. Sci., Biol. Sci. 12:63. 1976) the Indian tree having red fruits may represent an undescribed species.

Garcinia mangostana L. Sp. Pl. 443. 1753; Hook. in Bot. Mag. t. 4847. 1849; T. And. in Hook. f. Fl. Brit. India 1 : 260. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 52. 1957 (repr. ed.).

A small tree cultivated for its fruits. E.

Garcinia morella (Gaertn.) Desr. in Lam. Encycl. 3 : 701. t. 405. f. 2. 1792; Bedd. Fl. Sylv. t. 86. 1871; T. And. in Hook. f. Fl. Brit. India 1 : 264. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 52. 1957 (repr. ed.). *Mangostana morella* Gaertn. Fruct. 2 : 106. 1790.

Tamil: *Makki*.

A moderate sized tree in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Garcinia papilla Wight, Ic. t. 960. 1839. *G. cambogia* (Gaertn.) Desr. var. *papilla* (Wight) T. And. in Hook. f. Fl. Brit. India 1 : 262. 1874. *G. cambogita* sensu Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 p.p., non (Gaertn.) Desr. 1792.

An erect tree.

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

Garcinia spicata (Wight & Arn.) Hook. f. in J. Linn. Soc. Bot. 14 : 486. 1875; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.). *Xanthochymus spicatus* Wight & Arn. Prodr. 102. 1834. *Garcinia ovalifolia* Hook. f. var. *spicata* (Wight & Arn.) T. And. in Hook. f. Fl. Brit. India 1 : 269. 1874.

Tamil: *Kokottai*.

A middle sized tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Pudukkottai, South Arcot. E.

Garcinia talbotii Raiz. ex Sant. in Rec. Bot. Surv. India 16(1) : 14. 1960 (ed. 2). *G. malabarica* Talbot in J. Bombay Nat. Hist. Soc. 11 : 234. t. 1. 1897, non. Desr. 1789; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.). *G. ovalifolia* Hook. f. var. *macrantha* T. And. in Hook. f. Fl. Brit. India 1 : 269. 1874.

A small tree.

Distrib.: Coimbatore (Dunn 1957).

Garcinia travancorica Bedd. Fl. Sylv. t. 173. 1872; T. And. in Hook. f. Fl. Brit. India 1 : 268. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.).

A medium sized tree in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. E.

Garcinia wightii T. And. in Hook. f. Fl. Brit. India 1 : 265. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 53. 1957 (repr. ed.).

A small tree in low elevation of hills.

Distrib.: Coimbatore. E. R.

Garcinia xanthochymus Hook. f. ex T. And. in Hook. f. Fl. Brit. India 1 : 269. 1874. *Xanthochymus pictorius* Roxb. Pl. Cor. t. 196. 1805 (sphalm. X. *tinctorius* DC. 1824), non *Garcinia pictoria* Roxb. 1824. *G. tinctoria* (DC.) W.F. Wight in U.S.D.A. Bur. Pl. Industr. Bull. 137 : 50. 1909; Dunn in Gamble, Fl. Pres. Madras 74. 1915 & 1 : 53. 1957 (repr. ed.).

A handsome evergreen tree in low elevation of hills.

Distrib.: Coimbatore, Nilgiri. E.

Mammea suriga (Buch. Ham. ex Roxb.) Kosterm. in Commun. Forest Res. Inst. 72 : 23. f. 19. 1961. *Calophyllum suriga* Buch. Ham. ex Roxb. Fl. Ind. 2 : 608. 1832. *Ochrocarpus longifolius* (Wight) Benth. ex T. And. in Hook. f. Fl. Brit. India 1 : 270. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 54. 1957 (repr. ed.). *Calysaccion longifolium* Wight, Ill. 1 : 130. 1840 & Ic. t. 1999. 1853.

A middle sized evergreen tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri. E.

***Mesua ferrea** L. Sp. Pl. 515. 1753, subsp. *ferrea*; Wight, Ic. t. 118. 1839; T. And. in Hook. f. Fl. Brit. India 1 : 277. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 55. 1957 (repr. ed.).

* According to Kostermans, the common Indian "*Naga sample*" is now called *Mesua nagassarium* (Burm. f.) Kosterm. in Ceylon J. Sci., Biol. Sci. 12 : 71. 1976, based on *Calophyllum nagassarium* Burm. f. Fl. Ind. 121. 1768.

Tamil: *Nangu*.

A middle sized tree.

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

Mesua ferrea L. subsp. **pulchella** (Planch. & Triana) Vesque var. **pulchella**; Mahesh. in Bull. Bot. Surv. India 5 : 339. 1963. *M. pulchella* Planch. & Triana in Ann. Sci. Nat. Bot. ser. 4. 15 : 307. 1861.

A large tree in evergreen forests.

Distrib.: Tirunelveli.

Mesua ferrea L. subsp. **pulchella** (Planch. & Triana) Vesque var. **coromandeliana** (Wight) Mahesh. in Bull. Bot. Surv. India 5 : 340. 1963. *M. coromandeliana* Wight, Ic. t. 117. 1839. *M. ferrea* sensu Wight & Arn. Prodr. 102. 1834, non L. 1753.

A handsome tree in low elevations.

Distrib.: Tirunelveli.

Pociloneuron indicum Bedd. in J. Linn. Soc. Bot. 8 : 267. t. 17. 1865; Dyer in Hook. f. Fl. Brit. India 1 : 278. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 56. 1957 (repr. ed.).

Tamil: *Puthengkolli*.

A large evergreen tree.

Distrib.: Coimbatore, Nilgiri. E.

Pociloneuron pauciflorum Bedd. Fl. Sylv. t. 93. 1871; Dyer in Hook. f. Fl. Brit. India 1 : 278. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 56. 1957 (repr. ed.).

Tamil: *Puthengkolli*.

A large evergreen tree.

Distrib.: Tirunelveli.

THEACEAE
V. CHITHRA

Camellia japonica L. Sp. Pl. 698. 1753; Fyson, Fl. South Indian Hill St. 1 : 51. 1932.

An evergreen shrub with rose like flowers, cultivated in gardens. E.

Camellia sinensis (L.) Kuntze, Um die Erde 500. 1881; Bot. Mag. t. 3148. 1832. *Thea sinensis* L. Sp. Pl. 515. 1753. *Camellia thea* Link, Enum. Pl. Hort. Berol. 2 : 73. 1822; Dunn in Gamble, Fl. Pres. Madras 1 : 57. 1957 (repr. ed.). *C. theifera* Griff. Ic. Pl. Asiat. 4 : t. 601. ff. 1 & 3 & t. 603. ff. 1 & 2. 1854; Dyer in Hook. f. Fl. Brit. India 1 : 292. 1874.

Tamil: *Thayilai*.

A glabrous evergreen shrub, cultivated in the hills. The Tea Plant. E.

Eurya nitida Korth. in Temminck, Verh. Nat. Gesch. Bot. 3 : 115. t. 17. 1840. *E. japonica* Thunb. var. *thunbergii* Thw. Enum. Pl. Zeyl. 41. 1858; Dyer in Hook. f. Fl. Brit. India 1 : 284. 1874. *E. japonica* auct. non Thunb. 1784; Bedd. Fl. Sylv. t. 92. 1871; Dunn in Gamble, Fl. Pres. Madras 1 : 57. 1957 (repr. ed.).

A shrub or tree, in shola forests.

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

Gordonia obtusa Wall. ex Wight & Arn. Prodr. 87. 1834; Wight, Ill. 1 : t. 39. 1840; Dyer in Hook. f. Fl. Brit. India 1 : 291. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 57. 1957 (repr. ed.).

Tamil: *Miyilai*.

A tall tree with grey bark, in drier shola forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tirunelveli; "in all districts in the drier shola forests" (Dunn 1957). E.

Schima wallichii (DC.) Korth. in Temminck, Verh. Nat. Gesch. Bot. 3 : 143. 1840; Dyer in Hook. f. Fl. Brit. India 1 : 289. 1874. *Gordonia wallichii* DC. Prodr. 1 : 528. 1824.

A large, evergreen tree; the young shoots silky pubescent, flowers white, fragrant.

Distrib.: Madurai (Matthew 1969), Nilgiri (FRC).

Ternstroemia japonica (Thunb.) Thunb. in Trans. Linn. Soc. London 2 : 335. 1794; Dyer in Hook. f. Fl. Brit. India 1 : 280. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 56. 1957 (repr. ed.). *Cleyera japonica* Thunb. Fl. Jap. 224. 1784. *C. gymnanthera* Wight & Arn. Prodr. 87. 1834; Wight, Ic. t. 47. 1838.

A medium sized evergreen tree in shola forests.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

SAURAUACEAE

V. CHITHRA

Saurauia fasciculata Wall. Pl. Asiat. Rar. 2 : 40. t. 148. 1830 1831; Dyer in Hook. f. Fl. Brit. India 1 : 287. 1874, "Saurauja".

A bush or small tree, cultivated. E.

Saurauia napaulensis DC. in Mem. Soc. Phys. Geneve 1 : 421. 1822; Dyer in Hook. f. Fl. Brit. India 1 : 286. 1874.

A medium sized deciduous tree, cultivated. E.

STACHYURACEAE

V. CHITHRA

Stachyurus himalaicus Hook. f. & Thoms. ex Benth. in J. Linn. Soc. Bot. 5 : 55. 1861; Dyer in Hook. f. Fl. Brit. India 1 : 288. 1874.

A small tree, cultivated.

DIPTEROCARPACEAE

K. RAMAMURTHY

Dipterocarpus indicus Bedd. Fl. Sylv. t. 94. 1871; Dunn in Gamble, Fl. Pres. Madras 1 : 58. 1957 (repr. ed.).

Tamil: *Ennei*.

A lofty evergreen tree.

Distrib.: Tirunelveli. E.

Hopea erosa (Bedd.) van Slooten in Reinwardtia 3 : 318. 1956. *Balanocarpus erosa* Bedd. For. Man. Bot. 237. 1873 & Fl. Sylv. t. 329. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 60. 1957 (repr. ed.).

A large tree in low elevations.

Distrib.: Tirunelveli.

Hopea glabra Wight & Arn. Prodr. 85. 1834; Dyer in Hook. f. Fl. Brit. India 1 : 309. 1874; Bedd. Fl. Sylv. t. 96. 1871; Fischer in Gamble, Fl. Pres. Madras 3 : 1292. 1957 (repr. ed.).

Tamil: *Kongu*.

A large evergreen tree.

Distrib.: Tirunelveli. E.

Hopea parviflora Bedd. Fl. Sylv. t. 7. 1869; Dyer in Hook. f. Fl. Brit. India 1 : 308. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 59. 1957 (repr. ed.).

Tamil: *Pongu*.

A large tree in hilly forests.

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

Hopea ponga (Dennst.) Mabberley in Taxon 28 : 587. 1979. *Artocarpus ponga* Dennst. Schluess. Hort. Ind. Malab. 15, 18, 30. 1818. *Hopea wightiana* Wall. ex Wight & Arn. Prodr. 85. 1834; Wight, Ill. 1 : t. 37. 1840; Dyer in Hook. f. Fl. Brit. India 1 : 309. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 59. 1957 (repr. ed.).

Tamil: *Ilapongu*.

A large tree, in evergreen forests.

Distrib.: Tirunelveli. E.

Hopea utilis (Bedd.) Bole in Kew Bull. 1951 : 146. 1951. *Balanocarpus utilis* Bedd. For. Man. Bot. 237. 1873 & Fl. Sylv. t. 330. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 60. 1957 (repr. ed.). *Hopea longifolia* Dyer in Hook. f. Fl. Brit. India 1 : 309. 1874. *Dioticarpus barryi* Dunn in Kew Bull. 1920 : 337. 1920.

A large tree in low elevations.

Distrib.: Tirunelveli (PCM). E.

Shorea roxburghii G. Don, Gen. Syst. 1 : 813. 1831. *S. talura* Roxb. Fl. Ind. 2 : 618. 1832; Dyer in Hook. f. Fl. Brit. India 1 : 304. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 60. 1957 (repr. ed.).

Vatica laccifera Wight & Arn. Prodr. 84. 1834; Wight, Ic. t. 164. 1839.

Tamil: *Talura*.

A handsome tree in low elevations of hilly regions.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot (Dunn 1957), Salem, South Arcot (Matthew 1981). **E.**

Shorea tumbuggaia Roxb. Fl. Ind. 2 : 617. 1832; Dyer in Hook. f. Fl. Brit. India 1 : 306. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 60. 1957 (repr. ed.). *Vatica tumbuggaia* (Roxb.) Wight & Arn. Prodr. 84. 1834; Wight, Ic. t. 27. 1838.

Tamil: *Tambagam*.

A large tree in low elevations of hilly tracts.

Distrib.: Chengalpattu, North Arcot. **E.**

Vateria indica L. Sp. Pl. 513. 1753; Roxb. Pl. Cor. t. 288. 1820; Dyer in Hook. f. Fl. Brit. India 1 : 313. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 61. 1957 (repr. ed.).

Tamil: *Vallei*.

A large evergreen tree.

Distrib.: Coimbatore, Tirunelveli (PCM). **E.**

ANCISTROCLADACEAE S.R. SRINIVASAN

Ancistrocladus heyneanus Wall. ex Graham, Cat. Pl. Bombay 28. 1839; Wight, Ic. tt. 1987 & 1988. 1853; Dyer in Hook. f. Fl. Brit. India 1 : 299. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 62. 1957 (repr. ed.).

A climbing shrub with hooked branches; in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

MALVACEAE M. CHANDRABOSE

Abelmoschus angulosus Wall. ex Wight & Arn. Prodr. 53. 1834. *Hibiscus angulosus* (Wall. ex Wight & Arn.) Steud. Nomencl.

ed. 2. 1 : 758. 1840; Wight, Ic. t. 951. 1845; Mast. in Hook. f. Fl. Brit. India 1 : 341. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.). *H. setinervis* Dunn in Kew Bull. 1914: 324. 1914 & in Gamble, Fl. Pres. Madras 1 : 69. 1957 (repr. ed.).

An erect herb or undershrub in the hills.

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

Abelmoschus esculentus (L.) Moench, Meth. Pl. 617. 1794. *Hibiscus esculentus* L. Sp. Pl. 696. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 343. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

Tamil: *Vendai*.

An erect stout annual herb.

Distrib.: All districts, mostly cultivated. **B. E.**

Abelmoschus ficulneus (L.) Wight & Arn. in Wight, Cat. 14. 1833 & Prodr. 53. 1834; Wight, Ic. t. 154. 1839. *Hibiscus ficulneus* L. Sp. Pl. 695. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 340. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 69. 1957 (repr. ed.).

Tamil: *Kattu-vendai*.

An erect undershrub.

Distrib.: Almost all districts. **E.**

Abelmoschus manihot (L.) Medicus, Malv. 46. 1787. *Hibiscus manihot* L. Sp. Pl. 696. 1753; Dunn in Gamble, Fl. Pres. Madras 1 : 69. 1957 (repr. ed.). *H. tetraphyllus* sensu Mast. in Hook. f. Fl. Brit. India 1 : 341. 1874 p.p., non Roxb. ex Hornem. 1815.

A large erect undershrub.

Distrib.: Tirunelveli; Salem and South Arcot (Matthew 1981). **E.**

Abelmoschus moschatus Medicus, Malv. 46. 1787. *Hibiscus abelmoschus* L. Sp. Pl. 696. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 342. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 69. 1957 (repr. ed.).

Tamil: *Varttilaikashuri*, *Katukashuri*.

An erect herb or undershrub in the hilly tracts.

Distrib.: Coimbatore, Madurai, Nilgiri; "Deccan and Carnatic" (Dunn 1957). E.

Abutilon crispum (L.) Medicus, Malv. 29. 1787; Wight, Ic. t. 68. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 327. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 66. 1957 (repr. ed.). *Sida crispa* L. Sp. Pl. 685. 1753.

A slender, ascending or decumbent herb.

Distrib.: Almost all districts.

Abutilon hirtum (Lam.) Sweet, Hort. Brit. ed. 1. 53. 1826; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *Sida hirta* Lam. Encycl. 1 : 7. 1783. *Abutilon graveolens* (Roxb. ex Hornem.) Wight & Arn. var. *hirtum* (Lam.) Mast. in Hook. f. Fl. Brit. India 1 : 327. 1874.

Tamil: *Vadattuti*.

An erect stout undershrub.

Distrib.: All districts.

Abutilon indicum (L.) Sweet, Hort. Brit. ed. 1. 54. 1826, subsp. *indicum*; Wight, Ic. t. 12. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 326. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *Sida indica* L. Cent. Pl. 2 : 26. 1756.

Tamil: *Paniyarattuti*.

An erect or diffuse undershrub in open waste places.

Distrib.: All districts. E.

Abutilon indicum (L.) Sweet subsp. *guineense* (Schumach.) Borssum in Blumea 14 : 175. 1966. *Sida guineensis* Schumach. in Kongel. Danske Vidensk.-Selsk. Skr. 4 : 81. 1829. *Abutilon asiaticum* (L.) Sweet, Hort. Brit. ed. 1. 53. 1826; Mast. in Hook. f. Fl. Brit. India 1 : 326. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *Sida asiatica* L. Cent. Pl. 2 : 26. 1756.

Tamil: *Tuti*.

An erect stout undershrub in dry areas.

Distrib.: Chengalpattu (Dunn 1957), Tiruchchirappalli. E.

Abutilon megapotamicum (Spreng.) Mill. & Naud. in Ann. Sci. Nat. Bot. ser. 2. 18 : 49. 1842; Matthew in Rec. Bot. Surv. India 20(1) : 50. 1969. *Sida megapotamicum* Spreng. Syst. Suppl. 19. 1828.

A shrub, cultivated in the hills.

Abutilon neilgherrense Munro ex Wight, Ill. 1 : 66. 1840; Dunn in Gamble, Fl. Pres. Madras 1 : 66. 1957 (repr. ed.).

An erect undershrub in the hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram.

Abutilon pannosum (Forst. f.) Schlect. in Bot. Zeitung (Berlin) 9 : 828. 1851. *Sida pannosa* Forst. f. Comm. Phys. Soc. Reg. Goett. 1787 : 62. 1789. *Abutilon glaucum* (Cav.) Sweet, Hort. Brit. ed. 1. 54. 1826; Dunn in Gamble, Fl. Pres. Madras 1 : 66. 1957 (repr. ed.). *Sida glauca* Cav. Ic. 1 : 8. t. 11. 1791. *Abutilon muticum* (Del. ex DC.) Sweet, Hort. Brit. ed. 2. 65. 1830; Mast. in Hook. f. Fl. Brit. India 1 : 327. 1874. *Sida mutica* Del. ex DC. Prodr. 1 : 470. 1824.

An erect undershrub.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, South Arcot (Matthew 1981), Tirunelveli (Dunn 1957).

Abutilon persicum (Burm. f.) Merr. in Philipp. J. Sci. 19 : 364. 1921. *Sida persica* Burm. f. Fl. Ind. 148. t. 47. f. 1. 1768. *Abutilon polyandrum* (Roxb.) Wight ex Wight & Arn. Prodr. 55. 1834, non G. Don 1831; Mast. in Hook. f. Fl. Brit. India 1 : 325. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *Sida polyandra* Roxb. Fl. Ind. 3 : 173. 1832.

An erect stout undershrub in the hills.

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

Abutilon ramosum (Cav.) Guill. & Perr. Fl. Seneg. Tent. 1 : 68. 1831; Mast.

in Hook. f. Fl. Brit. India 1 : 328. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *Sida ramosa* Cav. Diss. 1 : 28. t. 6. f. 1. 1785.

An erect shrub in the hills.

Distrib.: Madurai, Nilgiri.

Abutilon striatum Dickson ex Lindl. in Bot. Reg. Misc. Not. 39. 1839.

An introduced ornamental shrub in the hills.

Abutilon theophrastii Medicus, Malv. 28. 1787; Chandrabose in Bull. Bot. Surv. India 15 : 160. 1973. *A. avicennae* Gaertn. Fruct. 2 : 251. t. 135. f. 1. 1791; Mast. in Hook. f. Fl. Brit. India 1 : 327. 1874.

An erect stout undershrub.

Distrib.: Coimbatore.

Althaea rosea (L.) Cav. Diss. 2 : 91. t. 28. f. 1. 1786; Mast. in Hook. f. Fl. Brit. India 1 : 319. 1874; Matthew in Rec. Bot. Surv. India 20(1) : 50. 1969. *Alcea rosea* L. Sp. Pl. 687. 1753.

A herb, cultivated in the gardens.

Anoda hastata Cav. Diss. 1 : 38. t. 11. f. 2. 1785; Mast. in Hook. f. Fl. Brit. India 1 : 321. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

An introduced herb.

Decaschistia crotonifolia Wight & Arn. Prodr. 52. 1834; Wight, Ic. t. 42. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 332. 1874 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 68. 1957 (repr. ed.).

An erect shrub.

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

Decaschistia rufa Craib in Kew Bull. 1912 : 35. 1912; Dunn in Gamble, Fl. Pres. Madras 1 : 68. 1957 (repr. ed.).

A shrub in dry areas.

Distrib.: Carnatic (Dunn 1957).

Gossypium arboreum L. Sp. Pl. 693. 1753, emend. Hutchinson et al. Evol.

Goss. 32. t. 4. 1947; Mast. in Hook. f. Fl. Brit. India 1 : 347. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

Tamil: *Paruthi, Sembaruthi.*

An erect shrub, cultivated.

Distrib.: All districts. **B. E.**

Gossypium barbadense L. Sp. Pl. 693. 1753, emend. Hutchinson et al. Evol. Goss. 48. 1947; Mast. in Hook. f. Fl. Brit. India 1 : 347. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

Tamil: *Seemaiparuthi.*

An erect undershrub or shrub, cultivated.

Distrib.: All districts. **B. E.**

Gossypium herbaceum L. Sp. Pl. 693. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 346. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

Tamil: *Uppamparutti.*

An erect undershrub, cultivated.

Distrib.: All districts. **B. E.**

Gossypium hirsutum L. Sp. Pl. ed. 2. 975. 1763; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.). *G. herbaceum* L. var. *hirsutum* (L.) Mast. in Hook. f. Fl. Brit. India 1 : 347. 1874.

Tamil: *Paruthi.*

An erect undershrub or shrub, cultivated.

Distrib.: All districts. **B. E.**

Hibiscus canescens Heyne ex Wight & Arn. Prodr. 49. 1834; Mast. in Hook. f. Fl. Brit. India 1 : 337. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

A small tree.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, South Arcot, Tiruchchirappalli, Tirunelveli.

Hibiscus cannabinus L. Syst. Nat. ed. 10. 1149. 1759; Mast. in Hook. f. Fl. Brit. India 1 : 339. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

Tamil: *Pulichhai, Pulimanji*.

An erect herb or undershrub, cultivated in the plains and low hills.

Distrib.: Almost all districts. E.

Hibiscus furcatus Willd. Enum. Pl. Hort. Berol. 736. 1800; Mast. in Hook. f. Fl. Brit. India 1 : 335. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

A trailing undershrub in the hills.

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

Hibiscus hirtus L. Sp. Pl. 694. 1753; Wight, Ic. t. 41. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 335. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

An erect shrub, often cultivated.

Distrib.: Chengalpattu, Coimbatore.

Hibiscus lobatus (Murr.) Kuntze, Rev. Gen. Pl. 3 : 19. 1898. *Solandra lobata* Murr. in Commentat. Soc. Regiae Sci. Gott. 6 : 20. t. 1. 1785. *Hibiscus solandra* L' Herit. Strip. Nov. 1 : 103. t. 49. 1789; Mast. in Hook. f. Fl. Brit. India 1 : 336. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

An erect annual herb.

Distrib.: Almost all districts.

Hibiscus lunariifolius Willd. Sp. Pl. 3 : 811. 1800; Wight, Ic. t. 6. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 338. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

An erect herb or undershrub.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Hibiscus mutabilis L. Sp. Pl. 694. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 344.

1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

Tamil: *Sembaruthi*.

A small tree, cultivated in gardens. E.

Hibiscus ovalifolius (Forsk.) Vahl, Symb. Bot. 1 : 50. 1790. *Urena ovalifolia* Forsk. Fl. Aeg. Arab. 124. 1775. *Hibiscus micranthus* L. f. Suppl. Pl. 308. 1781; Mast. in Hook. f. Fl. Brit. India 1 : 335. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

A slender herb or undershrub.

Distrib.: All districts. E.

Hibiscus panduriformis Burm. f. Fl. Ind. 151. t. 47. f. 2. 1768; Mast. in Hook. f. Fl. Brit. India 1 : 338. 1874, "*panduriformis*"; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

A tall undershrub.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, Tirunelveli; "Deccan and Carnatic" (Dunn 1957).

Hibiscus platanifolius (Willd.) Sweet, Hort. Brit. ed. 1. 51. 1826-1827; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.). *Pavonia platanifolia* Willd. in Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 4 : 220. 1810. *Hibiscus collinus* Roxb. Fl. Ind. 3 : 198. 1832; Mast. in Hook. f. Fl. Brit. India 1 : 338. 1874.

A large shrub.

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

Hibiscus radiatus Cav. Diss. 3 : 150. t. 54. f. 2. 1787; Mast. in Hook. f. Fl. Brit. India 1 : 335. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

An ornamental shrub, cultivated in gardens.

Hibiscus rosa-sinensis L. Sp. Pl. 694. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 344. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

Tamil: *Semparuthi*.

An erect ornamental shrub.

Distrib.: All districts. E.

Hibiscus sabdariffa L. Sp. Pl. 695. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 340. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

Tamil: *Pulichai-keerai*, *Gogu*.

An erect undershrub, cultivated. E.

Hibiscus schizopetalus (Mast.) Hook. f. in Bot. Mag. t. 6524. 1880. *H. rosasinensis* L. var. *schizopetalus* Mast. in Gard. Chron. n. s. 12 : 272. f. 45. 1879.

An erect ornamental shrub, cultivated.

Hibiscus surattensis L. Sp. Pl. 696. 1753; Wight, Ic. t. 197. 1839; Mast. in Hook. f. Fl. Brit. India 1 : 334. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

Tamil: *Kashlikirai*.

A trailing undershrub.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli (FRC), Tirunelveli. E.

Hibiscus syriacus L. Sp. Pl. 695. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 344. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

An erect ornamental shrub, cultivated. E.

Hibiscus tiliaceus L. Sp. Pl. 694. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 343. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.). *Paritium tiliaceum* (L.) St. Hil. Fl. Bras. Merid. 1 : 256. 1828; Wight, Ic. t. 7. 1838.

Tamil: *Nirparathi*, *Attuparuthi*.

A much branched tree, often planted.

Distrib.: All districts.

Hibiscus trionum L. Sp. Pl. 697. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 334. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

A spreading herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, South Arcot. E.

Hibiscus vitifolius L. Sp. Pl. 696. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 338. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 70. 1957 (repr. ed.).

An erect herb or undershrub.

Distrib.: All districts. E.

Kydia calycina Roxb. Pl. Cor. t. 215. 1811; Wight, Ic. tt. 879 & 880. 1845; Mast. in Hook. f. Fl. Brit. India 1 : 348. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 67. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Nilgiri, North Arcot; "Deccan" (Dunn 1957). E.

Malachra capitata (L.) L. Syst. Nat. ed. 12. 2 : 458. 1767; Mast. in Hook. f. Fl. Brit. India 1 : 329. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.). *Sida capitata* L. Sp. Pl. 685. 1753.

An erect herb.

Distrib.: Almost all districts. E.

Malva parviflora L. in Hojer, Demonstr. Pl. Hort. Ups. 18. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 321. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 63. 1957 (repr. ed.).

A low spreading herb.

Distrib.: Dharmapuri, Madurai (Dunn 1957). E.

Malva sylvestris L. Sp. Pl. 689. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 320. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 63. 1957 (repr. ed.).

An erect herb.

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

Malva verticillata L. Sp. Pl. 689. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 320. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 63. 1957 (repr. ed.).

An erect herb.

Distrib.: Nilgiri (Dunn 1957). E.

Malvastrum coromandelianum (L.) Garcke in Bonplandia 5 : 297. 1857; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.). *Malva coromandeliana* L. Sp. Pl. 687. 1753. *Malvastrum tricuspdatum* (R. Br.) A. Gray, Pl. Wright. 1 : 16. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 321. 1874. *Malva tricuspdata* R. Br. in Ait. Hort. Kew. ed. 2, 4 : 210. 1812.

An annual herb.

Distrib.: All districts. E.

Malvaviscus arboreus Cav. Diss. 3 : t. 48. f. 1. 1787; Matthew in Rec. Bot. Surv. India 20(1) : 50. 1969.

A low spreading shrub; cultivated. E.

Modiola caroliniana (L.) G. Don, Gen. Syst. 1 : 465. 1831; Fyson, Fl. South Indian Hill St. 2 : t. 37. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.). *Malva caroliniana* L. Sp. Pl. 688. 1753.

An introduced and naturalised herb in the hills.

Pavonia odorata Willd. Sp. Pl. 3 : 837. 1800; Mast. in Hook. f. Fl. Brit. India 1 : 331. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 67. 1957 (repr. ed.).

Tamil: *Peramutti, Avibattam*.

An erect herb.

Distrib.: All districts. E.

Pavonia procumbens (Wall. ex Wight & Arn.) Walp. Rep. 1 : 301. 1842, non Casaretto 1842; Dunn in Gamble, Fl. Pres. Madras 1 : 67. 1957 (repr. ed.). *Lebretonia procumbens* Wall. ex Wight & Arn. Prodr. 47. 1834; Wight, Ic. t. 4. 1838. *Pavonia glechomifolia* (A. Rich.) Garcke ex Schweinf. Beitr. Fl. Aethiop. 1 : 54. 1867; Mast. in Hook. f. Fl. Brit. India 1 : 330. 1874. *Lebretonia glechomifolia* A. Rich. Tent. Fl. Abyss. 1 : 54.

1847. *Pavonia coxii* Tad. & Jacob in J. Indian Bot. Soc. 5 : 11. 1926.

An undershrub.

Distrib.: All districts.

Pavonia zeylanica (L.) Cav. Diss. 3 : 134. 1787; Mast. in Hook. f. Fl. Brit. India 1 : 330. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 67. 1957 (repr. ed.). *Hibiscus zeylanicus* L. Sp. Pl. 697. 1753.

Tamil: *Mammatti*.

An erect undershrub.

Distrib.: All districts. E.

Plagianthus pulchellus A. Gray, Bot. U. S. Expl. Exped. 1 : 181. 1854.

An introduced shrub in the hills.

Sida acuta Burm. f. Fl. Ind. 147. 1768, emend. K. Schum. in Fl. Bros. 12 (3) : 326. 1891; Wight, Ic. t. 95. 1838; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.). *S. carpinifolia* sensu Mast. in Hook. f. Fl. Brit. India 1 : 323. 1874, non L. f. 1781.

Tamil: *Malaitangi, Ariva-mooku keera*.

An erect or ascending undershrub.

Distrib.: All districts. E.

Sida cordata (Burm. f.) Borssum in Blumea 14 : 182. 1966. *Melochia cordata* Burm. f. Fl. Ind. 143. 1768. *Sida veronicifolia* Lam. Encycl. 1 : 5. 1783; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.). *S. humilis* Cav. Diss. 5 : 277. 1788; Mast. in Hook. f. Fl. Brit. India 1 : 322. 1874.

Tamil: *Palampasi*.

A slender prostrate or ascending herb.

Distrib.: All districts. E.

Sida cordifolia L. Sp. Pl. 684. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 324. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.).

Tamil: *Nilatutti*.

An erect undershrub.

Distrib.: All districts. E.

Sida glutinosa Commers. ex Cav. Diss. 1 : 16. t. 2. f. 8. 1785; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.). *S. mysorensis* sensu Mast. in Hook. f. Fl. Brit. India 1 : 322. 1874 p.p., non Wight & Arn. 1834.

An erect undershrub, especially in the plains.

Distrib.: All districts.

Sida rhombifolia L. Sp. Pl. 684. 1753, emend. Mast. in Hook. f. Fl. Brit. India 1 : 323. 1874 incl. vars. *obovata*, *retusa*, *rhomboidea*; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.). *S. rhomboidea* Roxb. ex Fleming in Asiat. Res. 6 : 178. 1810; Dunn in Gamble, Fl. Pres. Madras 1 : 65. 1957 (repr. ed.).

Tamil: *Chitra mutti*, *Athibalachedi*.

An erect or ascending undershrub.

Distrib.: All districts. E.

Sida schimperiana Hochst. in A. Rich. Tent. Fl. Abyss. 1 : 66. 1847; Mast. in Hook. f. Fl. Brit. India 1 : 322. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.).

An erect undershrub.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Pudukkottai, Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli. E.

Sida spinosa L. Sp. Pl. 683. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 323. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 64. 1957 (repr. ed.).

Tamil: *Arivalmanai-poondu*.

An erect undershrub.

Distrib.: All districts. E.

Thespesia lampas (Cav.) Dalz. ex Dalz. & Gibs. Bombay Fl. 19. 1861; Mast. in Hook. f. Fl. Brit. India 1 : 345. 1874. *Hibiscus lampas* Cav. Diss. 3 : 154. t. 56. f. 2. 1787; Wight, Ic. t. 5. 1838; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.).

An undershrub.

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

(Matthew 1981), South Arcot, Tirunelveli. E.

Thespesia populnea (L.) Soland. ex Correa in Ann. Mus. Natl. Hist. Nat. 9 : 290. t. 8. f. 1. 1807; Wight, Ic. t. 8. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 345. 1874 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 72. 1957 (repr. ed.). *Hibiscus populneus* L. Sp. Pl. 694. 1753.

Tamil: *Puvarasu*.

A fairly large tree; leaves deeply cordate; often planted.

Distrib.: All districts. E.

Thespesia populneoides (Roxb.) Kostel. Allg. Med. Pharm. Fl. 5 : 1861. 1836; Fosberg & Sachet in Smithsonian Contr. Bot. 7 : 10. 1972. *Hibiscus populneoides* Roxb. Fl. Ind. 3 : 181. 1832. *Thespesia populnea* sensu Mast. in Hook. f. Fl. Brit. India 1 : 345. 1874 p.p., non (L.) Soland. ex Correa 1807.

A small tree; leaves very shallowly cordate.

Distrib.: "Madras, June 1826. Herb. Wight" (Fosberg & Sachet 1972).

Urena lobata L. Sp. Pl. 692. 1753, subsp. *lobata*; Mast. in Hook. f. Fl. Brit. India 1 : 329. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 66. 1957 (repr. ed.).

Tamil: *Ottatti*.

An erect or ascending undershrub.

Distrib.: All districts. E.

Urena lobata L. subsp. *sinuata* (L.) Borssum in Blumea 14 : 142. 1966. *Urena sinuata* L. Sp. Pl. 692. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 329. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 66. 1957 (repr. ed.).

Tamil: *Ottuttuti*.

An erect undershrub.

Distrib.: All districts. E.

BOMBACACEAE

M. CHANDRABOSE

Adansonia digitata L. Sp. Pl. 1190. 1753; Mast. in Hook. f. Fl. Brit. India

1 : 348. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

Tamil: *Anaipuli, Papparappuli*.

A large introduced tree, planted. E.

Bombax ceiba L. Sp. Pl. 511. 1753. *B. malabaricum* DC. Prodr. 1 : 479. 1824; Wight, Ill. 1 : t. 29. 1840; Mast. in Hook. f. Fl. Brit. India 1 : 349. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.). *Salmalia malabarica* (DC.) Schott & Endlicher, Melet. Bot. 35. 1832.

Tamil: *Ilavu, Purani*.

A large tree.

Distrib.: "In all forest Districts" (Dunn 1957). E.

Bombax insigne Wall. Pl. Asiat. Rar. 1 : 71. 1830; Mast. in Hook. f. Fl. Brit. India 1 : 349. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 71. 1957 (repr. ed.). *Salmalia insignis* (Wall.) Schott & Endlicher, Melet. Bot. 35. 1832.

A large tree.

Distrib.: Coimbatore (Dunn 1957). E.

Ceiba pentandra (L.) Gaertn. Fruct. 2 : 244. t. 133. 1791. *Bombax pentandrum* L. Sp. Pl. 511. 1753. *Eriodendron pentandrum* (L.) Kurz in J. Asiat. Soc. Bengal 43 : 113. 1874; Wight, Ic. t. 400. 1840; Dunn in Gamble, Fl. Pres. Madras 1 : 72. 1957 (repr. ed.).

Tamil: *Ilavam*.

An introduced tree, cultivated. E.

Cullenia exarillata Robyns in Bull. Jard. Bot. Nat. Belg. 40 : 249. 1970. *C. excelsa* Wight, Ic. tt. 1761 & 1762. 1851 p.p.; Mast. in Hook. f. Fl. Brit. India 1 : 350. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 73. 1957 (repr. ed.).

Tamil: *Velupla*.

A tall buttressed tree, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Durio zibethinus DC. Prodr. 1 : 480.

1824; Mast. in Hook. f. Fl. Brit. India 1 : 351. 1874.

A tall tree, cultivated in the hills.

STERCULIACEAE

V. CHITHRA

Brachychiton acerifolius (A. Cunn.) F. v. Muell. Fragm. Phyt. Austr. 1 : 1. 1858 - 1859. *Sterculia acerifolia* A. Cunn. in Loud. Hort. Brit. 392. 1830.

A deciduous tree with brilliant scarlet flowers; cultivated.

Byttneria herbacea Roxb. Pl. Cor. t. 29. 1795; Wight, Ic. t. 488. 1841; Mast. in Hook. f. Fl. Brit. India 1 : 376. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 80. 1957 (repr. ed.).

A finely pubescent large prostrate herb, in forest undergrowth and shady places.

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

Cola acuminata (P. Beauv.) Schott & Endlicher, Melet. Bot. 33. 1832. *Sterculia acuminata* P. Beauv. Fl. Owar. 1 : 41. t. 24. 1805.

A tree with woody follicles, cultivated in gardens. E.

Dombeya acutangula Cav. Diss. 3 : 123. t. 38. f. 2. 1787.

An evergreen shrub, with showy white or pink flowers; cultivated in gardens.

Dombeya burgessiae Gerr. ex Harv. in Harv. & Sond. Fl. Cap. 2 : 590. 1862.

A branched densely villous shrub with showy, white fragrant flowers; cultivated in gardens.

Dombeya mastersii Hook. f. in Bot. Mag. t. 5639. 1867.

An evergreen shrub, flowers white; cultivated in gardens.

Dombeya mollis Hook. in Bot. Mag. t. 4578. 1851.

An evergreen shrub, cultivated.

Dombeya platanifolia Boj. in Ann. Sci. Nat. Bot. ser. 2. 18 : 190. 1842.

An evergreen shrub, cultivated.

Dombeya spectabilis Boj. in Ann. Sci. Nat. Bot. ser. 2. 18 : 191. 1842.

A shrub, cultivated.

Dombeya wallichii (Lindl.) K. Schum. in Pflanzenf. 3(4) : 78. 1890. *Astrapaea wallichii* Lindl. Coll. Bot. t. 14. 1822.

A large shrub or small tree, cultivated; flowers scarlet to pink, in dense clusters.

Eriolaena hookeriana Wight & Arn. Prodr. 70. 1834; Bedd. For. Man. Bot. Anal. Gen. t. 5/2. 1870; Mast. in Hook. f. Fl. Brit. India 1 : 370. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.).

Tamil: *Peruduppai, Puliccevandi*.

A small tree, flowers many in cymes towards the extremities of the branches.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri (Masters 1874), Ramanathapuram, Salem, South Arcot. E.

Eriolaena lushingtonii Dunn in Kew Bull. 1915 : 88. 1915 & in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.).

A tree; leaves membranous, white beneath.

Distrib.: Ramanathapuram.

Eriolaena quinquelocularis (Wight & Arn.) Wight, Ic. t. 882. 1844-1845; Mast. in Hook. f. Fl. Brit. India 1 : 371. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.). *Microchlaena quinquelocularis* Wight & Arn. Prodr. 71. 1834.

Tamil: *Malamtutii, Naiunnam, Vattanumu*.

A small tree with grey foliage.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Firmiana colorata (Roxb.) R. Br. in Bennett & Brown, Pl. Jav. Rar. 235. 1844, quoad. var. a; Dunn in Gamble, Fl. Pres. Madras 1 : 76. 1957 (repr. ed.). *Sterculia colorata* Roxb. Pl. Cor. t. 25. 1795; Mast. in Hook. f. Fl. Brit. India 1 : 359. 1874.

A medium sized deciduous tree; leaves crowded at the ends of branches.

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

Guazuma ulmifolia Lam. Encycl. 3 : 52. 1789. *G. tomentosa* H.B.K. Nov. Gen. Sp. 5 : 320. 1823; Wight, Ill. 1 : t. 31. 1840; Mast. in Hook. f. Fl. Brit. India 1 : 375. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 79. 1957 (repr. ed.).

Tamil: *Rudrasam, Tenbachai*.

A small tomentose tree; capsule black, globose or oblong, woody, covered with blunt tubercles; introduced, often found run wild. E.

Helicteres isora L. Sp. Pl. 963. 1753; Wight, Ic. t. 180. 1839; Mast. in Hook. f. Fl. Brit. India 1 : 365. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 77. 1957 (repr. ed.).

Tamil: *Valamburi, Vadampiri, Kaiva*.

A large shrub, common in forest undergrowth; fruits cylindrical, spirally twisted.

Distrib.: Almost all districts. E.

Heritiera littoralis Dryand. in Ait. Hort. Kew. ed. 1. 3 : 546. 1789; Mast. in Hook. f. Fl. Brit. India 1 : 363. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 74. 1957 (repr. ed.).

Tamil: *Chomuntri, Kannadi-yilai*.

A tree with dark red wood, bark longitudinally furrowed, young parts scaly.

Distrib.: Chengalpattu. E.

Heritiera papilio Bedd. Fl. Sylv. t. 218. 1872; Mast. in Hook. f. Fl. Brit. India 1 : 363. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 74. 1957 (repr. ed.).

A lofty evergreen tree in hill forests.

Distrib.: Coimbatore, Nilgiri (Dunn 1957), Tirunelveli. E.

Kleinhovia hospita L. Sp. Pl. ed. 2. 1365. 1763; Mast. in Hook. f. Fl. Brit. India 1 : 364. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 81. 1957 (repr. ed.).

Tamil: *Panaitteku*.

A small showy tree with rosy flowers in large terminal panicles; cultivated in gardens and avenues. E.

Leptonychia moacurroides Bedd. Fl. Sylv. t. 114. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 379. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 80. 1957 (repr. ed.). *Paragrewia poilanei* Gagnep. ex Rao in J. Bombay Nat. Hist. Soc. 51 : 671. ff. 1-9. 1953.

A large shrub or small tree with tubercled capsules.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Melbania cannabina Wight ex Mast. in Hook. f. Fl. Brit. India 1 : 372. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 80. 1957 (repr. ed.).

A shrub; leaves velvety above.

Distrib.: Nilgiri, Tirunelveli (Dunn 1957).

Melbania hamiltoniana Wall. Pl. Asiat. Rar. 1 : 69, t. 77. 1830; Mast. in Hook. f. Fl. Brit. India 1 : 372. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 81. 1957 (repr. ed.). *M. abutiloides* Arn. ex Wight, Ic. t. 23. 1838.

A tomentose shrub with spreading branches on rocky hills.

Distrib.: Coimbatore.

Melbania incana Heyne ex Wight & Arn. Prodr. 68. 1834; Mast. in Hook. f. Fl. Brit. India 1 : 372. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 81. 1957 (repr. ed.).

A branching, suffruticose herb or undershrub.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Salem, Tiruchchirappalli (RHT).

Melochia corchorifolia L. Sp. Pl. 675. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 374. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 79. 1957 (repr. ed.).

Tamil: *Pinnakkuppundu*.

A robust branched herb, flowers pinkish or white; a weed on roadsides and waste places.

Distrib.: Almost all districts. E.

Melochia umbellata (Houtt.) Stapf in Kew Bull. 1913: 317. 1913; Dunn in Gamble, Fl. Pres. Madras 1 : 79. 1957 (repr. ed.). *Visenia umbellata* Houtt. Handl. 8 : 309. t. 46. f. 3. 1777; Wight, Ic. t. 509. 1842. *Melochia velutina* Wall. ex Bedd. For. Man. Bot. 35. Anal. Gen. t. 5/3. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 374. 1874.

A shrub or tree, cultivated in gardens; flowers pink in umbellate corymbs. E.

Pentapetes phoenicea L. Sp. Pl. 698. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 371. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 81. 1957 (repr. ed.).

A small shrubby annual or perennial shrub with showy scarlet flowers, cultivated as an ornamental; sometimes runs wild. E.

Pterospermum acerifolium (L.) Willd. Sp. Pl. 3 : 729. 1800; Wight, Ic. t. 631. 1843; Mast. in Hook. f. Fl. Brit. India 1 : 368. 1874. *Pentapetes acerifolia* L. Sp. Pl. 698. 1753.

Tamil: *Vennangu*.

A large evergreen tree with smooth grey bark, branchlets and inflorescence clothed with ferruginous tomentum; flowers white, fragrant.

Distrib.: Chengalpattu. E.

Pterospermum canescens Roxb. Fl. Ind. 3 : 162. 1832. *P. suberifolium* (L.) Lam. Tabl. Encycl. 3 : 136. t. 576. f. 2. 1823, non Willd. 1800; Mast. in Hook. f. Fl. Brit. India 1 : 367. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.). *Pentapetes suberifolia* L. Sp. Pl. 698. 1753.

Tamil: *Sembolavu, Tada*.

A medium-sized tree, flowers white, fragrant.

Distrib.: Almost all districts. E.

Pterospermum diversifolium Blume, Bijdr. 88. 1825; Mast. in Hook. f. Fl. Brit. India 1 : 367. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.). *P. glabrescens* Wight & Arn. Prodr. 69. 1834; Mast. in Hook. f. Fl. Brit. India 1 : 369. 1874.

Tamil: *Mooli, Vattapolavu.*

A medium-sized tree at low elevations.

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

Pterospermum obtusifolium Wight ex Mast. in Hook. f. Fl. Brit. India 1 : 369. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 77. 1957 (repr. ed.).

A tree.

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

Pterospermum reticulatum Wight & Arn. Prodr. 69. 1834; Mast. in Hook. f. Fl. Brit. India 1 : 369. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 77. 1957 (repr. ed.).

Tamil: *Mulipolavu.*

A tree in evergreen forests, at low elevations.

Distrib.: Coimbatore (Fischer 1921), Tiruchchirappalli (RHT). E.

Pterospermum rubiginosum Heyne ex Wight & Arn. Prodr. 68. 1834; Bedd. Fl. Sylv. t. 106. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 368. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 78. 1957 (repr. ed.).

Tamil: *Chittileipolavu.*

A tall, graceful tree in evergreen forests.

Distrib.: Coimbatore, Tiruchchirappalli (FRC), Tirunelveli. E.

Pterospermum semisagittatum Buch.-Ham. ex Roxb. Fl. Ind. 3 : 160. 1832; Mast. in Hook. f. Fl. Brit. India 1 : 368. 1874.

A tree.

"Occasionally cultivated in..... parts of Madras" (Wealth of India 1969). E.

Pterospermum xylocarpum (Gaertn.) Sant. & Wagh in Bull. Bot. Surv. India 5 : 108. 1963. *Velaga xylocarpa* Gaertn. Fruct. 2 : 245. t. 133. 1791. *Pterospermum heyneanum* Wall. ex Wight & Arn. Prodr. 69. 1834; Wight, Ic. t. 489. 1841; Mast. in Hook. f. Fl. Brit. India 1 : 369. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 77. 1957 (repr. ed.).

Tamil: *Pulavu.*

A medium-sized tree.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Tiruchchirappalli (RHT), Tirunelveli; Salem and South Arcot (Matthew 1981). E.

Pterygota alata (Roxb.) R. Br. in Bennett & Brown, Pl. Jav. Rar. 234. 1844; Dunn in Gamble, Fl. Pres. Madras 1 : 75. 1957 (repr. ed.). *Sterculia alata* Roxb. Pl. Cor. t. 287. 1820; Mast. in Hook. f. Fl. Brit. India 1 : 360. 1874. *S. haynii* Bedd. Fl. Sylv. t. 230. 1872.

Tamil: *Kodaittondi, Anaittondi.*

A large evergreen tree with ash coloured bark; in evergreen forests.

Distrib.: Chengalpattu, Nilgiri, Tirunelveli. E.

Sterculia balanphas L. Sp. Pl. 1007. 1753; Wight, Ill. 1 : t. 30. 1840; Mast. in Hook. f. Fl. Brit. India 1 : 358. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 76. 1957 (repr. ed.).

A medium-sized tree in evergreen forests; bark white; follicles ovoid, orange-scarlet.

Distrib.: Coimbatore (Fischer 1921), Tiruchchirappalli (RHT), Tirunelveli (Dunn 1957). E.

Sterculia foetida L. Sp. Pl. 1008. 1753; Wight, Ic. t. 181. 1839; Mast. in Hook. f. Fl. Brit. India 1 : 354. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 75. 1957 (repr. ed.).

Tamil: *Pinari, Malaittengai.*

A large deciduous tree, in forests at low elevations; follicles woody, boat-shaped.

Distrib.: Chengalpattu, Coimbatore, Madurai, Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Sterculia guttata Roxb. ex DC. Prodr. 1 : 482. 1824; Wight, Ic. t. 487. 1841; Mast. in Hook. f. Fl. Brit. India 1 : 355. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 76. 1957 (repr. ed.).

Tamil: *Kavalam*.

A medium-sized tree in evergreen forests; follicles woody, obovoid, bright red or scarlet, stellately villous without.

Distrib.: Almost all districts. E.

Sterculia populifolia Roxb. Fl. Ind. 3 : 148. 1832; Mast. in Hook. f. Fl. Brit. India 1 : 361. 1874, "*populifolia*"; Dunn in Gamble, Fl. Pres. Madras 1 : 76. 1957 (repr. ed.).

A small tree with inflated papery follicles, usually among rocks.

Distrib.: Dharmapuri, Salem, South Arcot (Matthew 1981).

Sterculia urens Roxb. Pl. Cor. t. 24. 1795; Mast. in Hook. f. Fl. Brit. India 1 : 355. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 75. 1957 (repr. ed.).

Tamil: *Kavalam, Shen-thanaku, Vellaiputali*.

A large deciduous tree in dry forests; bark white, smooth, peels off in flakes; follicles woody, densely pubescent with stiff stinging bristles.

Distrib.: Almost all districts. E.

Sterculia villosa Roxb. ex DC. Prodr. 1 : 483. 1824; Mast. in Hook. f. Fl. Brit. India 1 : 355. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 76. 1957 (repr. ed.).

Tamil: *Muratthan, Vakkai, Anai-nar*.

A large deciduous tree; bark light-grey, smooth; flowers yellow, in panicles at the ends of shoots.

Distrib.: Coimbatore, Nilgiri, Salem, South Arcot (Matthew 1981). E.

Theobroma cacao L. Sp. Pl. 782. 1753; Dunn in Gamble, Fl. Pres. Madras 1 : 81. 1957 (repr. ed.).

A small tree, cultivated. E.

Waltheria indica L. Sp. Pl. 673. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 374. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 79. 1957 (repr. ed.).

Tamil: *Shembudu*.

An erect branched pubescent herb or undershrub, common on roadsides in waste places and in forest undergrowth.

Distrib.: Almost all districts. E.

TILIACEAE

E. VAJRAVELU

Berrya cordifolia (Willd.) Burret in Notizbl. Bot. Gart. Berlin-Dahlem 9 : 606. 1926, "*Berria*". *Espera cordifolia* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 3 : 450. 1801. *Berrya ammonilla* Roxb. Fl. Ind. 2 : 639. 1824; Bedd. Fl. Sylv. t. 58. 1870; Mast. in Hook. f. Fl. Brit. India 1 : 383. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

Tamil: *Chavandalai*.

A large tree of valuable timber; "Trincomali wood tree of Ceylon", cultivated. E.

Corchorus aestuans L. Syst. Nat. ed. 10. 1079. 1759. *C. acutangulus* Lam. Encycl. 2 : 104. 1786; Wight, Ic. t. 739. 1844; Mast. in Hook. f. Fl. Brit. India 1 : 398. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 86. 1957 (repr. ed.).

An annual herb in pastures, cultivated lands and by the sides of ditches.

Distrib.: In most of the districts.

Corchorus capsularis L. Sp. Pl. 529. 1753; Wight, Ic. t. 311. 1840; Mast. in Hook. f. Fl. Brit. India 1 : 397. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

An annual herb; yields fibre.

Distrib.: Chengalpattu, Tiruchchirappalli. E.

Corchorus fascicularis Lam. Encycl. 2 : 104. 1786; Mast. in Hook. f. Fl. Brit. India 1 : 398. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

An annual herb in waste lands.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, South Arcot, Thanjavur; Salem and Tiruchchirappalli (Matthew 1981).

Corchorus olitorius L. Sp. Pl. 529. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 397. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

An annual herb with glabrous elongate capsules.

Distrib.: Almost all districts.

Corchorus tridens L. Mant. Pl. 566. 1771; Mast. in Hook. f. Fl. Brit. India 1 : 398. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

An annual herb on roadsides and waste places.

Distrib.: Coimbatore, Kanniyakumari, Ramanathapuram, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Corchorus trilocularis L. Syst. Nat. ed. 12. 369. 1766 & Mant. Pl. 77. 1767; Mast. in Hook. f. Fl. Brit. India 1 : 397. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

A common weed on roadsides and fields.

Distrib.: Almost all districts.

Corchorus urticifolius Wight & Arn. Prodr. 73. 1834, "*urticaefolius*"; Mast. in Hook. f. Fl. Brit. India 1 : 397. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 87. 1957 (repr. ed.).

An annual herb.

Distrib.: Coimbatore, Chengalpattu (Dunn 1957), Dharmapuri, Nilgiri, Salem (Dunn 1957), Tiruchchirappalli (Matthew 1981).

Grewia abutilifolia Juss. in Ann. Mus. Natl. Hist. Nat. 4 : 92. 1804; Mast. in Hook. f. Fl. Brit. India 1 : 390. 1874. *G. aspera* Roxb. Fl. Ind. 2 : 591. 1832; Dunn in Gamble, Fl. Pres. Madras 1 : 85. 1957 (repr. ed.).

A shrub or small tree in hilly regions.

Distrib.: Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981); "Carnatic" (Dunn 1957). R.

Grewia barberi Drumm. in Gamble, Fl. Pres. Madras 118. 1915 & 1 : 84. 1957 (repr. ed.).

A shrub.

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

Grewia damine Gaertn. Fruct. 2. 1791; Dunn in Gamble, Fl. Pres. Madras 1 : 84. 1957 (repr. ed.). *G. salvifolia* Heyne ex Roth, Nov. Pl. Sp. 329. 1821; Mast. in Hook. f. Fl. Brit. India 1 : 386. 1874 p.p.

A shrub or a small tree.

Distrib.: Dharmapuri, Nilgiri.

Grewia flavescens Juss. in Ann. Mus. Natl. Hist. Nat. 4 : 91. 1804; Dunn in Gamble, Fl. Pres. Madras 1 : 85. 1957 (repr. ed.). *G. carpinifolia* sensu Mast. in Hook. f. Fl. Brit. India 1 : 387. 1874, non Juss. 1804.

A small tree.

Distrib.: Almost all districts.

Grewia gamblei Drumm. in Gamble, Fl. Pres. Madras 117. 1915 & 1 : 84. 1957 (repr. ed.).

A shrub with tomentose young branches and leaves.

Distrib.: Coimbatore, Nilgiri. R.

Grewia glabra Blume, Bijdr. 115. 1825. *G. disperma* sensu Dunn in Gamble, Fl. Pres. Madras 118. 1915 & 1 : 84. 1957 (repr. ed.), non Rottl. ex Spreng. 1825. *G. laevigata* auct. non Vahl 1790; Mast. in Hook. f. Fl. Brit. India 1 : 389. 1874.

A small tree in scrub forests.

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

Grewia heterotricha Mast. in Hook. f. Fl. Brit. India 1 : 385. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 84. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Coimbatore and Nilgiri (Dunn 1957). R.

Grewia hirsuta Vahl, *Symb. Bot.* 1 : 34. 1790; Wight, *Ic. t.* 76. 1838; Mast. in Hook. f. *Fl. Brit. India* 1 : 391. 1874; Dunn in Gamble, *Fl. Pres. Madras* 1 : 85. 1957 (repr. ed.).

Tamil: *Tavadu*.

Distrib.: Almost all districts.

Grewia laevigata Vahl, *Symb. Bot.* 1 : 34. 1790. *G. wightiana* Drumm. in Gamble, *Fl. Pres. Madras* 115. 1915 & 1 : 83. 1957 (repr. ed.). *G. bracteata* auct. non Heyne ex Roth 1821; Mast. in Hook. f. *Fl. Brit. India* 1 : 389. 1874 p.p.

A shrub with tomentose fruits.

Distrib.: Tirunelveli. R.

Grewia lanceaefolia Roxb. *Fl. Ind.* 2 : 586. 1824; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.). *G. diplocarpa* Thw. *Enum. Pl. Zeyl.* 31. 1858; Mast. in Hook. f. *Fl. Brit. India* 1 : 390. 1874.

A shrub.

Distrib.: Coimbatore, Tirunelveli.

Grewia lawsoniana Drumm. in Gamble, *Fl. Pres. Madras* 117. 1915 & 1 : 84. 1957 (repr. ed.).

A shrub with twigs and leaves beneath harshly tomentose.

Distrib.: Coimbatore, Nilgiri.

Grewia obtusa Wall. ex Dunn in Gamble, *Fl. Pres. Madras* 117. 1915 & 1 : 83. 1957 (repr. ed.). *G. bracteata* auct. non Heyne ex Roth 1821; Wight & Arn. *Prodr.* 76. 1834; Mast. in Hook. f. *Fl. Brit. India* 1 : 389. 1874 p.p.

A shrub in dense evergreen forests.

Distrib.: Almost all districts.

Grewia oppositifolia Buch-Ham. ex Roxb. *Fl. Ind.* 2 : 583. 1832; Mast. in Hook. f. *Fl. Brit. India* 1 : 384. 1874. *G. emarginata* Wight & Arn. *Prodr.* 79. 1834; Mast. in Hook. f. *Fl. Brit. India* 1 : 384. 1874; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.).

A common shrub with leaves woolly beneath.

Distrib.: Almost all districts.

Grewia orbiculata Rottl. in *Ges. Naturf. Freunde Berlin Neue Schriften* 4 : 205. 1803; Mast. in Hook. f. *Fl. Brit. India* 1 : 386. 1874. *G. rotundifolia* Juss. in *Ann. Mus. Natl. Hist. Nat.* 4 : 92. 1804; Wight, *Ic. t.* 45. 1838; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.).

A small tree with leaves grey tomentose beneath.

Distrib.: Chengalpattu, Dharmapuri, Nilgiri, Salem (Matthew 1981), South Arcot, Tiruchchirappalli (RHT).

Grewia orientalis L. *Sp. Pl.* 964. 1753; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.). *G. columnaris* J.E. Smith in Rees, *Cyclop.* 17 : 5. 1811; Wight, *Ic. t.* 44. 1838; Mast. in Hook. f. *Fl. Brit. India* 1 : 383. 1874.

A straggling shrub.

Distrib.: Chengalpattu, Nilgiri, South Arcot, Tiruchchirappalli (RHT).

Grewia pandaica Drumm. in Gamble, *Fl. Pres. Madras* 116. 1915 & 1 : 85. 1957 (repr. ed.).

A large tree in evergreen forests.

Distrib.: Tirunelveli. O.R.

Grewia rhannifolia Heyne ex Roth, *Nov. Pl. Sp.* 244. 1821; Dunn in Gamble, *Fl. Pres. Madras* 1 : 83. 1957 (repr. ed.). *G. orientalis* sensu Mast. in Hook. f. *Fl. Brit. India* 1 : 384. 1874 p.p., non L. 1753.

A straggling shrub.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem (Matthew 1981), South Arcot, Thanjavur, Tiruchchirappalli.

Grewia rothii DC. *Prodr.* 1 : 509. 1857; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.). *G. excelsa* auct. non Vahl 1790; Mast. in Hook. f. *Fl. Brit. India* 1 : 385. 1874 p.p.

A Shrub.

Distrib.: Tirunelveli. R.

Grewia subinaequalis DC. *Prodr.* 1 : 511. 1824; Dunn in Gamble, *Fl. Pres. Madras* 1 : 84. 1957 (repr. ed.). *G. asiatica* sensu Mast. in Hook. f. *Fl. Brit. India* 1 : 386. 1874 p.p., non L. 1767.

A shrub or small tree in grass lands.

Distrib.: Chengalpattu. R.

Grewia tenax (Forsk.) Fiori in Agric. Colon. 5. Suppl. 23. 1912. *Chadara tenax* Forsk. Fl. Aeg. - Arab. 105. 1775. *Grewia populifolia* Vahl, Symb. Bot. 1 : 33. 1790; Mast. in Hook. f. Fl. Brit. India 1 : 385. 1874. *G. betulifolia* Juss. in Ann. Mus. Natl. Hist. Nat. 4 : 92. t. 50. f. 1. 1804; Dunn in Gamble, Fl. Pres. Madras 1 : 83. 1957 (repr. ed.).

A small much-branched shrub in dry localities.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Tiruchchirappalli (RHT). E.

Grewia tiliifolia Vahl, Symb. Bot. 1 : 35. 1790; Bedd. Fl. Sylv. t. 108. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 386. 1874 p.p.; Dunn in Gamble, Fl. Pres. Madras 1 : 84. 1957 (repr. ed.).

Tamil: *Unu*.

A medium sized tree in all forests.

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

Grewia umbellifera Bedd. For. Man. Bot. 37. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 393. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 84. 1957 (repr. ed.).

A shrub.

Distrib.: Nilgiri, Tiruchchirappalli (RHT), Tirunelveli; "in all districts" (Dunn 1957).

Grewia villosa Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 205. 1803; Mast. in Hook. f. Fl. Brit. India 1 : 388. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 85. 1957 (repr. ed.).

A shrub with five ribbed velvety leaves in dry forests.

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

Microcos paniculata L. Sp. Pl. 514. 1753. *Grewia microcos* L. Syst. Nat. ed. 12. 602. 1766; Mast. in Hook. f. Fl. Brit. India 1 : 392. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 83. 1957 (repr. ed.). *G. ulmifolia* Roxb. Fl. Ind. 2 : 591. 1832; Wight, Ic. t. 84. 1838.

A medium sized tree with three flowers in a head of panicles and unlobed fruits.

Distrib.: Tirunelveli. R.

Triumfetta annua L. Mant. Pl. 1 : 73. 1767; Mast. in Hook. f. Fl. Brit. India 1 : 396. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 86. 1957 (repr. ed.).

An annual herb; fruits covered with long hooked spines.

Distrib.: Nilgiri, Salem.

Triumfetta pentandra A. Rich. in Guill. & Perr. Fl. Seneg. Tent. 93. t. 19. 1831; Dunn in Gamble, Fl. Pres. Madras 1 : 86. 1957 (repr. ed.). *T. neglecta* Wight & Arn. Prodr. 75. 1834; Mast. in Hook. f. Fl. Brit. India 1 : 396. 1874.

An annual herb with fruit bristles ciliate on one side.

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

Triumfetta pilosa Roth, Nov. Pl. Sp. 223. 1821; Mast. in Hook. f. Fl. Brit. India 1 : 394. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 86. 1957 (repr. ed.). *T. cana* Blume, Bijdr. 113. 1825; Mast. in Hook. f. Fl. Brit. India 1 : 396. 1874.

A perennial bristly herb.

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

Triumfetta rhomboidea Jacq. Enum. Pl. Carib. 22. 1760; Mast. in Hook. f. Fl. Brit. India 1 : 395. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 86. 1957 (repr. ed.). *T. angulata* Lam. Encycl. 3 : 41. 1789; Wight, Ic. t. 320. 1840.

Tamil: *Puramutti*.

A suffruticose herb.

Distrib.: Almost all districts.

Triumfetta rotundifolia Lam. Encycl. 3 : 421. 1792; Mast. in Hook. f. Fl. Brit. India 1 : 395. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 96. 1957 (repr. ed.).

A suffruticose herb with bristles of fruits puberulous.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Pudukkottai (RHT), Ramathapuram, Salem, South Arcot (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

ELAEOCARPACEAE

V. CHITHRA

Elaeocarpus amoenus Thw. Enum. Pl. Zeyl. 32. 1858; Bedd. Fl. Sylv. t. 111. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 404. 1874.

A tree in evergreen forests; drupe nearly globular, smooth.

Distrib.: Coimbatore (Fischer 1921).

Elaeocarpus munronii (Wight) Mast. in Hook. f. Fl. Brit. India 1 : 407. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 88. 1957 (repr. ed.), "*munroii*". *Monocera munronii* Wight, Ill. 1 : 84. 1840 & Ic. t. 952. 1845.

Tamil: *Narebikki*.

A large tree; fruits smooth, olive green.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli; "in all districts" (Dunn 1957).

Elaeocarpus recurvatus Corner in Gard. Bull. Straits Sett. 10 : 319, 325. 1939. *E. ferrugineus* (Wight) Bedd. Fl. Sylv. t. 112. 1871, nom. illeg.; Mast. in Hook. f. Fl. Brit. India 1 : 406. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 88. 1957 (repr. ed.). *Monocera ferruginea* Wight, Ic. t. 205. 1839, non Jack 1830.

A tree with folded-back leaves, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Elaeocarpus rugosus Roxb. Fl. Ind. 2 : 596. 1832; Wight, Ic. t. 61. 1838; Mast. in Hook. f. Fl. Brit. India 1 : 405. 1874.

A tree in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (Masters 1874).

Elaeocarpus serratus L. Sp. Pl. 515. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 401. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 88. 1957 (repr. ed.). *E. cuneatus* Wight, Ill. 1 : 83. 1840; Mast. in Hook. f. Fl. Brit. India 1 : 402. 1874.

Tamil: *Ulangkarei*, *Uttraccham*.

A small tree in evergreen forests; flowers white in simple racemes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli; "in all districts" (Dunn 1957). E.

Elaeocarpus tectorius (Lour.) Poir. in Lam. Encycl. Suppl. 2 : 704. 1812. *Craspedum tectorium* Lour. Fl. Cochinch. 336. 1790. *Elaeocarpus oblongus* auct. non Gaertn. 1788; Mast. in Hook. f. Fl. Brit. India 1 : 403. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 88. 1957 (repr. ed.). *E. robustus* Roxb. Fl. Ind. 2 : 597. 1832; Mast. in Hook. f. Fl. Brit. India 1 : 402. 1874.

Tamil: *Bikki*, *Kattukarai*.

A large tree in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli; "W. Ghats, in all districts" (Dunn 1957).

Elaeocarpus tuberculatus Roxb. Fl. Ind. 2 : 594. 1832; Bedd. Fl. Sylv. t. 113. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 404. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 88. 1957 (repr. ed.).

Tamil: *Rutthracham*.

A large tree with grey and white mottled bark; fruits ovoid, smooth, more or less laterally compressed, sides deeply tubercled, margins thickened.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli; "in all districts" (Dunn 1957). E.

Elaeocarpus venustus Bedd. Fl. Sylv. t. 174, 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 89, 1957 (repr. ed.). *E. monocera* sensu Mast. in Hook. f. Fl. Brit. India 1 : 405, 1874, non Cav. 1800.

A large tree with white flowers, in evergreen forests.

Distrib.: Kanniyakumari. R. +.

Muntingia calabura L. Sp. Pl. 509, 1753.

A small tree, cultivated for its edible fruits. E.

LINACEAE

V. CHITHRA

Hugonia mystax L. Sp. Pl. 675, 1753; Wight, Ill. 1 : t. 32, 1840; Hook. f. Fl. Brit. India 1 : 413, 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 90, 1957 (repr. ed.).

Tamil: *Motirakanni, Agori.*

A rambling or climbing leafy shrub in dry forests.

Distrib.: Almost all districts. E.

Linum mysurense Heyne ex Benth. in Edward's Bot. Reg. 16 ; sub. t. 1326, 1830; Hook. f. Fl. Brit. India 1 : 411, 1874, "*mysorense*"; Fyson, Fl. South Indian Hill St. 2 ; t. 44, 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 89, 1957 (repr. ed.).

A small slender herb with yellow flowers.

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

Linum usitatissimum L. Sp. Pl. 277, 1753; Hook. f. Fl. Brit. India 1 : 410, 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 89, 1957 (repr. ed.).

Tamil: *Alshi.*

A small herb with large blue flowers, often cultivated, sometimes run wild; the Flax Plant.

Reinwardtia indica Dumort. Comm. Bot. 19, 1822. *R. trigyna* Planch. in London J. Bot. 7 : 522, 1848, nom. illeg.; Hook. f. Fl. Brit. India 1 : 412, 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 90, 1957 (repr. ed.). *Linum trigynum* Roxb. in Asiat. Res. 6 : 357, 1799, non L. 1753.

A small shrub with yellow flowers.

Distrib.: Chengalpattu, Nilgiri. E.

ERYTHROXYLACEAE

V. CHITHRA

Erythroxylum coca Lam. Encycl. 2 : 393, 1786.

Tamil: *Sivadari.*

A shrub, cultivated in gardens. E.

Erythroxylum lanceolatum (Wight) Walp. Rep. 1 : 407, 1842; Hook. f. Fl. Brit. India 1 : 415, 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 91, 1957 (repr. ed.). *Sethia lanceolata* Wight, Ill. 1 : 136, 1840.

A shrub or small tree.

Distrib.: Ramanathapuram, Tirunelveli.

Erythroxylum monogynum Roxb. Pl. Cor. t. 88, 1798; Hook. f. Fl. Brit. India 1 : 414, 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 90, 1957 (repr. ed.). *E. indicum* (DC.) Bedd. Fl. Sylv. t. 81, 1871. *Sethia indica* DC. Prodr. 1 : 576, 1824.

Tamil: *Devaduru, Desattaram.*

A small tree in dry evergreen forests.

Distrib.: Almost all districts. E.

Erythroxylum mounii Hochr. in Bull. Inst. Bot. Buitenzorg 22 : 54, 1905. *E. acuminatum* (Arn.) Walp. Rep. 1 : 407, 1842, non Ruiz & Pavon 1802; Dunn in Gamble, Fl. Pres. Madras 1 : 91, 1957 (repr. ed.). *Sethia acuminata* Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Nat. Cur. 18(1) : 324, 1836. *Erythroxylum lucidum* Moon ex Hook. f. Fl. Brit. India 1 : 415, 1874, non H. B. K. 1821.

A small tree.

Distrib.: Madurai, Tirunelveli. E.

Erythroxylum obtusifolium (Wight) Hook. f. Fl. Brit. India 1 : 415. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 91. 1957 (repr. ed.). *Sethia lanceolata* Wight var. *obtusifolia* Wight, Ill. 1 : 136. 1840.

A shrub.

Distrib.: Nilgiri, Tirunelveli. R.

MALPIGHIACEAE

V. CHITHRA

Aspidopterys canarensis Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3:37. 1851; Hook. f. Fl. Brit. India 1 : 420. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 92. 1957 (repr. ed.). *A. glomerata* Wight, Ic. t. 1986. 1853.

A climbing shrub with stout, woody, twining branches; flowers small, white.

Distrib.: Tirunelveli (Dunn 1957).

Aspidopterys cordata (Heyne ex Wall.) A. Juss. in Ann. Sci. Nat. Bot. ser. 2. 13 : 267. 1840; Hook. f. Fl. Brit. India 1 : 421. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 92. 1957 (repr. ed.). *Hiraea cordata* Heyne ex Wall. Pl. Asiat. Rar. 1 : 13. 1829.

A climbing shrub.

Distrib.: "Deccan" (Dunn 1957).

Aspidopterys indica (Roxb.) Hochr. in Bull. Inst. Bot. Buitenzorg 19 : 45. 1904. *Triopteris indica* Roxb. Pl. Cor. t. 160. 1798. *Aspidopterys roxburghiana* A. Juss. in Ann. Sci. Nat. Bot. ser. 2. 13 : 267. 1840; Hook. f. Fl. Brit. India 1 : 420. 1874 excl. vars.; Dunn in Gamble, Fl. Pres. Madras 1 : 92. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Chengalpattu, North Arcot.

Galphimia glauca Cav. Ic. 5 : 61. t. 489. 1799. *Thryallis glauca* (Cav.) Kuntze, Rev. Gen. Pl. 1 : 89. 1894.

An undershrub, cultivated in gardens for its golden-yellow flowers.

Hiptage benghalensis (L.) Kurz in J. Asiat. Soc. Bengal 43 : 136. 1874. *Banisteria benghalensis* L. Sp. Pl. 427.

1753. *Hiptage madablota* Gaertn. Fruct. 2 : 169. t. 116. 1790; Hook. f. Fl. Brit. India 1 : 418. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 91. 1957 (repr. ed.).

Tamil: *Adigam, Madavi, Vasandi.*

A large evergreen climbing shrub.

Distrib.: Almost all districts. E.

Hiptage obtusifolia DC. Prodr. 1 : 583. 1824; Blatter in J. Indian Bot. Soc. 9 : 149. 1930.

A woody evergreen climber.

Distrib.: Nilgiri (Blatter 1930). Tirunelveli.

Hiptage parvifolia Wight & Arn. Prodr. 107. 1834; Hook. f. Fl. Brit. India 1 : 419. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 91. 1957 (repr. ed.).

A small, climbing shrub.

Distrib.: Tirunelveli.

Malpighia glabra L. Sp. Pl. 425. 1753.

A slender prickly shrub, cultivated in gardens for its edible fruits and as a hedge plant. E.

Malpighia heternantha Wight, Ill. 1 : 138. t. 49. 1840.

A shrub, leaves roundish, armed with spiny teeth, cultivated.

Malpighia puniceifolia L. Sp. Pl. ed. 2. 609. 1762.

A shrub or small tree, cultivated in gardens for its scarlet edible fruits. E.

Tristellateia australasiae A. Rich. Sert. Astrol. t. 15. 1833; Hook. f. Fl. Brit. India 1 : 418. 1874.

A climber, cultivated in gardens.

ZYGOPHYLLACEAE

V. CHITHRA

Fagonia cretica L. Sp. Pl. 386. 1753. *F. arabica* L. Sp. Pl. 386. 1753; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 425. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 93. 1957 (repr. ed.). *F. mysorensis* Heyne ex Roth, Nov. Pl. Sp. 215. 1821; Wight, Ill. 1 : t. 64. 1840.

A small spiny undershrub, with stiff branches often more or less prostrate.

Distrib.: Coimbatore, Ramanathapuram. E.

Guaiacum officinale L. Sp. Pl. 381. 1753.

A small tree, grown in gardens as an ornamental. E.

Tribulus terrestris L. Sp. Pl. 387. 1753; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 423. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 92. 1957 (repr. ed.). *T. lauriginosus* L. Sp. Pl. 387. 1753; Wight, Ic. t. 98. 1838.

Tamil: *Nerunji, Sirumerinji.*

A procumbent silky herb with spine-scent fruits, in dry localities.

Distrib.: Almost all districts. E.

GERANIACEAE

E. VAJRAVELU

Erodium manescavii Coss. in Ann. Sci. Nat. Bot. ser. 3. 7 : 205. t. 11. 1847.

A weed of waste places.

Distrib.: Nilgiri.

Erodium moschatum (L.) L. Herit. in Ait. Hort. Kew. 2 : 414. 1789; Fyson. Fl. South Indian Hill St. 2 : t. 45. 1932; Dunn in Gamble, Fl. Pres. Madras 1 : 94. 1957 (repr. ed.). *Geranium moschatum* L. Sp. Pl. 680. 1753.

An introduced herb, now naturalised.

Distrib.: Nilgiri.

Geranium nepalense Sweet, Geran. 1 : t. 12. 1820; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 430. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 94. 1957 (repr. ed.). *G. affine* Wight & Arn. Prodr. 133. 1834, non Ledeb. 1831; Wight, Ic. t. 59. 1838.

A perennial pubescent herb in grass lands.

Distrib.: Madurai, Nilgiri, Tiruchelirappalli (RHT).

Pelargonium capitatum (L.) Ait. Hort. Kew. 2 : 425. 1789. *Geranium capitatum* L. Sp. Pl. 678. 1753.

A herb, introduced and now run wild.

Distrib.: Nilgiri. R.

Pelargonium cucullatum (L.) Ait. Hort. Kew. 2 : 426. 1789. *Geranium cucullatum* L. Sp. Pl. 677. 1753.

An introduced herb in moist localities.

Distrib.: Nilgiri.

Pelargonium graveolens L. Herit. in Ait. Hort. Kew. 2 : 423. 1789 & Geran. t. 11. 1791-1792; Matthew in Rec. Bot. Surv. India 20(1) : 548. 1969.

A perennial small shrub cultivated and naturalised in hill stations. E.

Pelargonium grossularioides (L.) Ait. Hort. Kew. 2 : 420. 1789; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 435. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 94. 1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20(1) : 54. 1969. *Geranium grossularioides* L. Sp. Pl. 679. 1753.

Annual glabrous herb, naturalised in hill stations.

Pelargonium inquinans (L.) Ait. Hort. Kew. 2 : 424. 1789. *Geranium inquinans* L. Sp. Pl. 676. 1753.

Cultivated in gardens.

Pelargonium peltatum Soland. in Ait. Hort. Kew. 2 : 427. 1789.

An ornamental herb. E.

TROPAEOLACEAE

E. VAJRAVELU

Tropaeolum majus L. Sp. Pl. 345. 1753; Matthew in Rec. Bot. Surv. India 20(1) : 58. 1969.

A perennial succulent small climber along hedges; naturalised in hill stations, "Garden Naturtium" E.

Tropaeolum pentaphyllum Lam. Encycl. 1 : 612. 1785.

An ornamental plant. E.

LIMNANTHACEAE

E. VAJRAVELU

Limnanthes douglasii R. Br. in London Edinburgh Philos. Mag. & J. Sci. 2 : 70. 1833.

Cultivated as a garden annual.

OXALIDACEAE

E. VAJRAVELU

Biophytum insignis Gamble in Kew Bull. 1921 : 216. 1921; Fischer in Gamble, Fl. Pres. Madras 3 : 1293. 1957 (repr. ed.).

A herb.

Distrib.: Tirunelveli. R.

Biophytum intermedium Wight, Ill. 1 : 162. 1840, var. **intermedium**; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 438. 1874; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.).

A branched herb with woody root stock.

Distrib.: Madurai (Gamble 1957), Salem (Matthew 1981). R.

Biophytum intermedium Wight var. **pulneyensis** Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 439. 1874.

An annual herb.

Distrib.: Madurai (Edgeworth & Hook. f. 1874). R.

Biophytum longibracteatum Tad. & Jacob in J. Indian Bot. Soc. 4 : 87. 1924; Fischer in Gamble, Fl. Pres. Madras 3 : 1293. 1957 (repr. ed.).

A rare herb.

Distrib.: Tirunelveli. R.

Biophytum nervifolium Thw. Enum. Pl. Zeyl. 64. 1858. *B. sensitivum* DC. var. **nervifolium** (Thw.) Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 437. 1874.

A slender herb.

Distrib.: Chengalpattu, Ramanathapuram, Salem (Matthew 1981), South Arcot, Thanjavur, Tiruchirappalli, Tirunelveli.

Biophytum nudum (Arn.) Wight, Ill. 1 : 161. 1840; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 438. 1874. *Oxalis nuda* Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Nat. Cur. 18(1) : 326. 1836.

An annual herb.

Distrib.: Kanniyakumari, Tirunelveli.

Biophytum polyphyllum Munro in Wight, Ill. 1 : 162. 1840; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 439. 1874; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.).

A herb in shoals.

Distrib.: Nilgiri.

Biophytum proliferum (Arn.) Wight, Ill. 1 : 162. 1840; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 438. 1874. *Oxalis prolifera* Arn. in Nova Acta Phys. Med. Acad. Caes. Leop. Nat. Cur. 18(1) : 327. 1836.

A herb, not common.

Distrib.: Tirunelveli.

Biophytum reinwardtii (Zucc.) Klotzsch in Peters Reise Mossamb. Bot. 1 : 85. 1862; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 437. 1874 incl. var. *metziana*; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.). *Oxalis reinwardtii* Zucc. in Abh. Math. Phys. Cl. Koenigl. Bayer Akad. Wiss. 1 : 274. 1829. 1830.

A small herb with yellow flowers.

Distrib.: Coimbatore (Barnes 1939), Nilgiri, Tirunelveli.

Biophytum sensitivum (L.) DC. Prodr. 1 : 690. 1824, var. **sensitivum** Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 436. 1874 p.p.; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.). *Oxalis sensitiva* L. Sp. Pl. 434. 1753 p.p.

A herb in open places, roadsides, banks and cultivated fields.

Distrib.: Almost all districts.

Biophytum sensitivum (L.) DC. var. **candolleianum** (Wight) Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 437. 1874. *B. candolleianum* Wight, Ill. 1 : 161. t. 62. 1840. "candolleianum"; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.).

A robust herb in shady places and roadsides.

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

Oxalis acetosella L. Sp. Pl. 433. 1753; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 436. 1874.

A herb.

Distrib.: Nilgiri.

Oxalis cernua Thunb. Diss. Oxal. 14. t. 2. f. 2. 1781; Matthew in Rec. Bot. Surv. India 20(1) : 56. 1969. *O. pescaprae* Savign. in Lam. Encycl. 4 : 685. 1798, non L. 1753; Fyson, Fl. South Indian Hill St. 2 : t. 52. 1932.

A stemless annual bulbous herb.

Distrib.: Madurai (Matthew 1969), Nilgiri, Salem (Matthew 1981).

Oxalis corniculata L. Sp. Pl. 435. 1753; Wight, Ic. t. 18. 1838; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 436. 1874; Dunn in Gamble, Fl. Pres. Madras 1 : 94. 1957 (repr. ed.).

A diffuse creeping herb, common in garden soil as a weed.

Distrib.: Almost all districts.

Oxalis corymbosa DC. Prodr. 1 : 696. 1824. *O. martiana* Zucc. in Denkschr. Koenigl. Akad. Wiss. Muonchen 9 : 144. 1824; Matthew in Rec. Bot. Surv. India 20(1) : 58. 1969.

An annual herb with violet flowers.

Distrib.: Madurai (Matthew 1969), Nilgiri, Salem, Tirunelveli.

Oxalis deppei Lodd. Bot. Cab. 15 : t. 1500. 1828; Matthew in Rec. Bot. Surv. India 20(1) : 56. 1969. *O. tetraphylla* auct. non Cav. 1794; Fyson, Fl. South Indian Hill St. 2 : t. 50. 1932.

An annual stemless bulbous herb.

Distrib.: Madurai (Matthew 1969), Nilgiri.

Oxalis latifolia H. B. K. Nov. Gen. Sp. 5 : 237. t. 467. 1822; Fyson, Fl. South Indian Hill St. 2 : t. 51. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 57. 1969.

An annual herb with conical bulbs.

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

Oxalis pubescens H. B. K. Nov. Gen. Sp. 5 : 186. 1821; Fyson, Fl. South Indian Hill St. 2 : t. 48. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 55. 1969.

A decumbent annual herb.

Distrib.: Madurai, Nilgiri, Tiruchchira-ppalli (RHT).

Oxalis variabilis Jacq. Oxal. 89. 1794, var. **variabilis**; Fyson, Fl. South Indian Hill St. 2 : t. 49. 1932.

An annual herb.

Distrib.: Nilgiri.

Oxalis variabilis Jacq. var. **rubra** Jacq. Oxal. 90. t. 53. 1794; Matthew in Rec. Bot. Surv. India 20(1) : 55. 1969.

A stemless annual herb; a weed in hill stations.

AVERRHOACEAE

E. VAIRAVELU

Averrhoa bilimbi L. Sp. Pl. 428. 1753; Bedd. Fl. Sylv. t. 117. 1872; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 439. 1874; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.).

A small tree, cultivated for its fruits. E.

Averrhoa carambola L. Sp. Pl. 428. 1753; Edgew. & Hook. f. in Hook. f. Fl. Brit. India 1 : 439. 1874; Gamble, Fl. Pres. Madras 1 : 95. 1957 (repr. ed.).

A small cultivated tree; fruits edible. E.

BALSAMINACEAE

E. VAJRAVELU

Hydrocera triflora (L.) Wight & Arn. in Wight. Cat. 28. 1833 & Prodr. 140. 1834; Hook. f. Fl. Brit. India 1 : 483. 1875; Gamble, Fl. Pres. Madras 1 : 104. 1957 (repr. ed.). *Impatiens triflora* L. Sp. Pl. 938. 1753.

An aquatic annual weed, rooting at nodes; common in ditches and tanks.

Distrib.: Thanjavur.

Impatiens acaulis Arn. in Companion Bot. Mag. 1 : 325. 1836; Hook. f. Fl. Brit. India 1 : 443. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 58. 1932; Gamble, Fl. Pres. Madras 1 : 98. 1957 (repr. ed.).

A scapigerous herb with tuberous root stock, at high altitudes.

Distrib.: Nilgiri, Salem (Matthew 1981).

Impatiens auriculata Wight in Madras J. Lit. Sci. ser. 1. 5 : 8. 1837; Hook. f. Fl. Brit. India 1 : 460. 1874; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A succulent epiphyte on tree trunks with swollen internodes.

Distrib.: Tirunelveli. R.

Impatiens balsamina L. Sp. Pl. 938. 1753, var. *balsamina*; Hook. f. Fl. Brit. India 1 : 453. 1874; Gamble, Fl. Pres. Madras 1 : 101. 1957 (repr. ed.).

An annual herb, wild, as well as cultivated in gardens.

Impatiens balsamina L. var. *arenata* Hook. f. Fl. Brit. India 1 : 454. 1874.

An annual herb.

Distrib.: Coimbatore, Madurai, North Arcot, South Arcot.

Impatiens campanulata Wight in Madras J. Lit. Sci. ser. 1. 5 : 11. 1837; Hook. f. Fl. Brit. India 1 : 463. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 74. 1932;

Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

An erect tall herb at high elevations.

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

Impatiens Chandrasekharanii Chandrase in J. Bombay Nat. Hist. Soc. 75 : 901. 1978 (1979).

Scapigerous herbs with palmately lobed leaves and pale pink flowers.

Distrib.: Coimbatore.

Impatiens chinensis L. Sp. Pl. 738. 1753; Hook. f. Fl. Brit. India 1 : 444. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 63. 1932; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.). *I. fasciculata* Lam. Encycl. 1 : 359. 1783; Wight, Ic. t. 748. 1844.

An annual herb in moist localities.

Distrib.: Madurai, Nilgiri, Salem.

Impatiens clavicornu Turcz. in Bull. Soc. Imp. Naturalistes Moscou 32(1) : 271. 1859 *I. beddomei* Hook. f. Fl. Brit. India 1 : 442. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 55. 1932; Gamble, Fl. Pres. Madras 1 : 98. 1957 (repr. ed.). *I. scapiflora* sensu Wight & Arn. Prodr. 137. 1834 p.p., non Heyne ex Roxb. 1832; Wight, Ic. t. 967. 1845.

A scapigerous herb with yellow patched white flowers on hilly down.

Distrib.: Nilgiri.

Impatiens cordata Wight in Madras J. Lit. Sci. ser. 1. 5 : 10. 1837; Hook. f. Fl. Brit. India 1 : 462. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

An annual herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Impatiens crenata Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 69. t. 7. f. 10. 1859 & Ic. t. 31. 1868 1874; Hook. f. Fl. Brit. India 1 : 442. 1874; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A scapigerous herb with crenate standard petal.

Distrib.: Coimbatore (Gamble 1957). R.

Impatiens cuspidata Wight, Ic. t. 741, 1844; Gamble, Fl. Pres. Madras 1 : 101, 1957 (repr. ed.).

A shrub with glaucous white stem in marshy places.

Distrib.: Nilgiri.

Impatiens dasysperma Wight in Madras J. Lit. Sci. ser. 1, 5 : 7, 1837; Wight, Ic. t. 742, 1844; Hook. f. Fl. Brit. India 1 : 456, 1874; Gamble, Fl. Pres. Madras 1 : 102, 1957 (repr. ed.).

An annual herb.

Distrib.: Tirunelveli (UCT). R.

Impatiens debilis Turcz. in Bull. Soc. Imp. Naturalistes Moscou 32(1) : 279, 1859; Hook. f. Fl. Brit. India 1 : 483, 1875; Hooker's Icon Pl. t. 2911, 1913; Gamble, Fl. Pres. Madras 1 : 100, 1957 (repr. ed.).

An annual much branched herb.

Distrib.: Nilgiri (Gamble 1957). R.

Impatiens denisonii Bedd. in Madras J. Lit. Sci. ser. 3, 1 : 41, 1864 & Ic. t. 151, 1868 1874; Hook. f. Fl. Brit. India 1 : 444, 1874; Gamble, Fl. Pres. Madras 1 : 99, 1957 (repr. ed.).

An annual scapigerous tuberous herb on dripping rocks, with pink flowers.

Distrib.: Nilgiri.

Impatiens disotis Hook. f. in Rec. Bot. Surv. India 4 : 48, 1906; Gamble, Fl. Pres. Madras 1 : 102, 1957 (repr. ed.).

An erect herb with white flowers on grassy slopes.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Impatiens diversifolia Wall. ex Wight & Arn. Prodr. 139, 1834; Hook. f. Fl.

Brit. India 1 : 446, 1874; Gamble, Fl. Pres. Madras 1 : 99, 1957 (repr. ed.).

An annual herb with rose flowers.

Distrib.: Coimbatore, Nilgiri.

Impatiens elegans Bedd. in Madras J. Lit. Sci. ser. 2, 10 : 67, 1859 & Ic. t. 145, 1868 1874; Hook. f. Fl. Brit. India 1 : 465, 1875; Gamble, Fl. Pres. Madras 1 : 103, 1957 (repr. ed.).

An annual herb with alternate leaves.

Distrib.: Coimbatore. R.

Impatiens floribunda Wight in Madras J. Lit. Sci. ser. 1, 5 : 7, 1837; Gamble, Fl. Pres. Madras 1 : 101, 1957 (repr. ed.). *I. flaccida* sensu Hook. f. Fl. Brit. India 1 : 457, 1874 p.p., non Arn. 1836.

A shrub.

Distrib.: Coimbatore, Kanniyakumari, Salem (Matthew 1981), Tirunelveli. R.

Impatiens fruticosa Lesch. ex DC. Prodr. 1 : 687, 1824; Hook. f. Fl. Brit. India 1 : 459, 1874; Fyson, Fl. South Indian Hill St. 2 : t. 72, 1932; Gamble, Fl. Pres. Madras 1 : 102, 1957 (repr. ed.).

An erect shrub with pink flowers.

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

Impatiens gardneriana Wight, Ic. t. 1050, 1846; Hook. f. Fl. Brit. India 1 : 445, 1874; Gamble, Fl. Pres. Madras 1 : 101, 1957 (repr. ed.).

An annual herb with glandular ciliate leaves in moist grass lands.

Distrib.: Nilgiri.

Impatiens goughii Wight, Ill. 1 : 160, 1840 & Ic. t. 1603, 1850; Hook. f. Fl. Brit. India 1 : 452, 1874; Fyson, Fl. South Indian Hill St. 2 : t. 75, 1932; Gamble, Fl. Pres. Madras 1 : 102, 1957 (repr. ed.). *I. anamallayensis* Bedd. Ic. t. 150, 1868 1874.

An annual small slender herb with pink flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Impatiens grandis Heyne in Roxb. Fl. Ind. 2 : 465. 1832; Bedd. Ic. t. 153. 1868-1874; Hook. f. Fl. Brit. India 1 : 463. 1874; Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

A tall shrub with large flowers in dense forest ravines.

Distrib.: Madurai, Tirunelveli.

Impatiens hensloviana Arn. in Companion Bot. Mag. 1 : 322. 1836; Hook. f. Fl. Brit. India 1 : 458. 1874; Fyson, Fl. South Indian Hill. St. 2 : t. 71. 1932; Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

An undershrub with large white flowers along the streams in sholas.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Impatiens herbicola Hook. f. in Kew Bull. 1911 : 354. 1911; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

An annual herb with linear leaves.

Distrib.: Coimbatore (Gamble 1957). R.

Impatiens hookeriana Arn. in Companion Bot. Mag. 1 : 324. 1836; Hook. f. Fl. Brit. India 1 : 463. 1874.

A robust glabrous shrub.

Distrib.: Nilgiri, Tirunelveli (Barnes 1939). R.

Impatiens inconspicua Benth. ex Wight & Arn. Prodr. 139. 1834; Wight, Ic. t. 970. 1845; Hook. f. Fl. Brit. India 1 : 447. 1874. *I. pusilla* Heyne ex Hook. f. & Thoms. in J. Linn. Soc. Bot. 4 : 122. 1859; Fyson, Fl. South Indian Hill St. 2 : t. 65. 1932; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

An annual small herb in shady places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Impatiens jerdoniae Wight, Ic. t. 1602. 1850; Hook. f. Fl. Brit. India 1 : 460. 1874 excl. *I. parasitica* Bedd.; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A succulent epiphyte on tree trunks and on moist rocks with swollen stems and internodes.

Distrib.: Coimbatore, Madurai, Nilgiri.

Impatiens kleinii Wight & Arn. Prodr. 140. 1834; Wight, Ic. t. 884. 1844-1845; Hook. f. Fl. Brit. India 1 : 445. 1874; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

A slender annual herb.

Distrib.: Nilgiri.

Impatiens laticornis Fischer in Kew Bull. 1930 : 154. 1930 & in Gamble, Fl. Pres. Madras 3 : 1294. 1957 (repr. ed.).

An epiphytic herb on tree trunks and on wet rocks.

Distrib.: Nilgiri. R.

Impatiens latifolia L. Sp. Pl. 937. 1753; Hook. f. Fl. Brit. India 1 : 450. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 69. 1932; Gamble, Fl. Pres. Madras 1 : 101. 1957 (repr. ed.).

A tall stout erect branched shrub with sub-opposite and whorled leaves.

Distrib.: Madurai, Nilgiri.

Impatiens lawsonii Hook. f. in Rec. Bot. Surv. India 4 : 45. 1906; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A scapigerous herb.

Distrib.: Nilgiri (Gamble 1957). R.

Impatiens lenta Hook. f. in Hooker's Icon. Pl. t. 2933. 1913; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

An annual herb with slender flaccid stem.

Distrib.: Nilgiri (Gamble 1957). R.

Impatiens leptura Hook. f. Fl. Brit. India 1 : 467. 1875.

An erect, unbranched undershrub in evergreen forests.

Distrib.: Coimbatore (Barnes 1939).

Impatiens leschenaultii (DC.) Wall. ex Wight & Arn. Prodr. 136. 1834; Hook. f. Fl. Brit. India 1 : 450. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 68. 1932; Gamble, Fl. Pres. Madras 1 : 101. 1957 (repr. ed.). *Balsamina leschenaultii* DC. Prodr. 1 : 686. 1826.

An erect shrub in shola margins.

Distrib.: Coimbatore (Bhaskar & Razi 1978), Madurai, Nilgiri, Tirunelveli.

Impatiens levingei Gamble ex Hook. f. in Rec. Bot. Surv. India 4 : 45. 1906; Fyson, Fl. South Indian Hill St. 2 : t. 56. 1932; Gamble, Fl. Pres. Madras 1 : 98. 1957 (repr. ed.).

A herb on moist rocky places.

Distrib.: Nilgiri. R.

Impatiens ligulata Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 67. t. 7. f. 6. 1859 & Ic. t. 149. 1868 - 1874; Hook. f. Fl. Brit. India 1 : 446. 1874; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

An annual herb with slender stem.

Distrib.: Coimbatore.

Impatiens maculata Wight in Madras J. Lit. Sci. ser. 1. 5 : 12. 1837; Hook. f. Fl. Brit. India 1 : 465. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A slender tall herb in streams and marshes.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Impatiens modesta Wight in Madras J. Lit. Sci. ser. 1. 5 : 13. 1837 & Ic. t. 968. 1845; Hook. f. Fl. Brit. India 1 : 442. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 57. 1932; Gamble, Fl. Pres. Madras 1 : 98. 1957 (repr. ed.).

A herb in shady places at high elevations.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Barnes 1939).

Impatiens munronii Wight, Ill. 1 : 160. 1840 & Ic. t. 1049. 1846; Hook. f. Fl. Brit. India 1 : 456. 1874; Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

An undershrub with small flowers in dense forest shade.

Distrib.: Nilgiri.

Impatiens neo-barnesii Fischer in Kew Bull. 1930 : 330. 1930 & in Gamble, Fl. Pres. Madras 3 : 1294. 1957 (repr. ed.). *I. barnesii* Fischer in Kew Bull. 1930 : 153. 1930, non Hook. f. 1930; Fyson, Fl. South Indian Hill St. 2 : t. 62. 1932.

An epiphytic herb on moss covered tree trunks; leaves and flowers hanging down.

Distrib.: Nilgiri. R.

Impatiens nilgirica Fischer in Kew Bull. 1931 : 41. 1931 & in Gamble, Fl. Pres. Madras 3 : 1294. 1957 (repr. ed.); Fyson, Fl. South Indian Hill St. 2 : t. 60. 1932.

A herb among grasses and on rocks.

Distrib.: Nilgiri. R.

Impatiens omissa Hook. f. in Rec. Bot. Surv. India 4 : 48. 1906; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A small annual slender herb, at high elevations on wet rocks.

Distrib.: Coimbatore, Madurai (Gamble 1957).

Impatiens oppositifolia L. Sp. Pl. 937. 1753; Wight, Ic. t. 883. 1844 1845; Hook. f. Fl. Brit. India 1 : 448. 1874; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

An annual herb.

Distrib.: All districts (Gamble 1957).

Impatiens orchioides Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 44. 1864 & Ic. t. 152. 1868 1874; Hook. f. Fl. Brit. India 1 : 443. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 61. 1932; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A very small epiphyte on tree trunks and on the ground in wet sholas.

Distrib.: Nilgiri.

Impatiens parasitica Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 66. t. 7. f. 2. 1859 & Ic. t. 140. 1868 1874; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.). *I. jerdoniae* Wight var. *parasitica* (Bedd.) Hook. f. Fl. Brit. India 1 : 460. 1874.

A succulent epiphyte with swollen internodes.

Distrib.: Coimbatore (Hook. f. 1874).

Impatiens parvifolia Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 66. t. 7. 1859 & Ic. t. 142. 1868 1874; Hook. f. Fl. Brit. India 1 : 453. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A very small herb on rocks.

Distrib.: Coimbatore, Madurai.

Impatiens phoenicea Bedd. in Madras J. Lit. Sci. ser. 2. 19 : 175. 1858 & Ic. t. 148. 1868 1874; Hook. f. Fl. Brit. India 1 : 466. 1875; Fyson, Fl. South Indian Hill St. 2 : t. 76. 1932; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A very striking slender herb with bright scarlet flowers.

Distrib.: Madurai, Tirunelveli (Fyson 1932). R.

Impatiens rufescens Benth. ex Wight & Arn. Prodr. 138. 1834; Wight, Ic. t. 969. 1845; Fyson, Fl. South Indian Hill St. 2 : t. 66. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1295. 1957 (repr. ed.). *I. tomentosa* Heyne ex Wight & Arn. var. *rufescens* (Benth. ex Wight & Arn.) Hook. f. Fl. Brit. India 1 : 449. 1874.

An annual herb with purple flowers in swampy areas.

Distrib.: Nilgiri (Gamble 1957). R.

Impatiens scabriuscula Heyne ex Roxb. Fl. Ind. 2 : 464. 1824; Bedd. Ic. t. 144. 1868 1874; Hook. f. Fl. Brit. India 1 : 454. 1874; Gamble, Fl. Pres. Madras 1 : 101. 1957 (repr. ed.).

A small annual herb with spurless pink flowers.

Distrib.: Coimbatore, Nilgiri.

Impatiens scapiflora Heyne ex Roxb. Fl. Ind. 2 : 464. 1824; Hook. f. Fl. Brit. India 1 : 443. 1874; Gamble, Fl. Pres. Madras 1 : 98. 1957 (repr. ed.). *I. rivalis* Wight, Ic. t. 751. 1844.

A scapigerous herb, usually on dripping rocks with pink flowers.

Distrib.: Nilgiri.

Impatiens tangachee Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 66. 1859; Hook. f. Fl. Brit. India 1 : 467. 1875; Gamble, Fl. Pres. Madras 1 : 104. 1957 (repr. ed.).

A small herb with procumbent stem in the river beds.

Distrib.: Coimbatore, Madurai.

Impatiens tenella Heyne ex Wight & Arn. Prodr. 140. 1834; Hook. f. Fl. Brit. India 1 : 447. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 64. 1932; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

A slender succulent herb.

Distrib.: Nilgiri.

Impatiens tomentosa Heyne ex Wight & Arn. Prodr. 139. 1834; Wight, Ic. t. 749. 1844; Hook. f. Fl. Brit. India 1 : 449. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 67. 1932; Gamble, Fl. Pres. Madras 1 : 100. 1957 (repr. ed.).

An annual herb in boggy places.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Impatiens travancorica Bedd. Ic. t. 142. 1868 1874; Hook. f. Fl. Brit. India 1 : 464. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A small succulent herb with crenate ciliate leaves and small umbellate flowers.

Distrib.: Kanniyakumari, Tirunelveli. O. R.

Impatiens trichocarpa Hook. f. in Hooker's Icon. Pl. t. 2914. 1913; Gamble, Fl. Pres. Madras 1 : 101. 1957 (repr. ed.).

An annual herb.

Distrib.: Nilgiri (Gamble 1957). R.

Impatiens umbellata Heyne ex Roxb. Fl. Ind. 2 : 464. 1824; Wight, Ic. t. 745. 1844; Hook. f. Fl. Brit. India 1 : 461. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A small annual herb in moist localities.

Distrib.: Tirunelveli.

Impatiens uncinata Wight in Madras J. Lit. Sci. ser. 1. 5 : 11. 1837 & Ic. t. 747. 1844; Hook. f. Fl. Brit. India 1 : 465. 1875; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A small annual herb in dense moist forests.

Distrib.: Tirunelveli.

Impatiens verticillata Wight in Madras J. Lit. Sci. ser. 1. 5 : 15. 1837; Hook. f. Fl. Brit. India 1 : 452. 1874; Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

An annual herb with opposite and whorled leaves in gravelly beds of streams.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Impatiens viridiflora Wight in Madras J. Lit. Sci. ser. 1. 5 : 9. 1837; Bedd. Ic. t. 141. 1868 1874; Hook. f. Fl. Brit. India 1 : 460. 1874; Gamble, Fl. Pres. Madras 1 : 99. 1957 (repr. ed.).

A fleshy epiphytic herb on tree trunks.

Distrib.: Tirunelveli. R.

Impatiens viscida Wight in Madras J. Lit. Sci. ser. 1. 5 : 12. 1837 & Ic. t. 746. 1844; Hook. f. Fl. Brit. India 1 : 462. 1874; Fyson, Fl. South Indian Hill St. 2 : t. 73. 1932; Gamble, Fl. Pres. Madras 1 : 102. 1957 (repr. ed.).

A tall slender branching herb in swampy area and on dripping rocks.

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

Impatiens viscosa Bedd. in Madras J. Lit. Sci. ser. 2. 10 : 66. t. 7. f. 7. 1859; Hook. f. Fl. Brit. India 1 : 453. 1874; Gamble, Fl. Pres. Madras 1 : 103. 1957 (repr. ed.).

A viscidly pubescent annual herb.

Distrib.: Coimbatore. R.

Impatiens wightiana Bedd. in Madras J. Lit. Sci. ser. 2. 20 : 67. 1859 & Ic. t. 146. 1868 - 1874; Hook. f. Fl. Brit. India 1 : 467. 1875; Gamble, Fl. Pres. Madras 1 : 104. 1957 (repr. ed.).

An erect suffruticose herb in moist sholas.

Distrib.: Coimbatore. R.

RUTACEAE

E. VAJRAVELU

Acronychia pedunculata (L.) Miq. Fl. Ind. Bat. Suppl. 532. 1861. *Jambolifera pedunculata* L. Sp. Pl. 349. 1753. *Acronychia laurifolia* Blume, Cat. Gew. Buitenz. 63. 1823 & Bijdr. 245. 1825; Hook. f. Fl. Brit. India 1 : 498. 1875; Fyson, Fl. South Indian Hill St. 2 : t. 79. 1932; Gamble, Fl. Pres. Madras 1 : 108. 1957 (repr. ed.). *A. barberi* Gamble in Kew Bull. 1915 : 345. 1915 & Fl. Pres. Madras 1 : 108. 1957 (repr. ed.).

Tamil: *Muttanari*.

A small evergreen tree with stout branches, common in hilly regions.

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

Aegle marmelos (L.) Correa in Trans. Linn. Soc. London 5 : 223. 1800; Wight, Ic. t. 16. 1838; Hook. f. Fl. Brit. India 1 : 516. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.). *Crateva marmelos* L. Sp. Pl. 444. 1753.

Tamil: *Vilva*.

A small deciduous thorny tree, commonly cultivated. E.

Atalantia monophylla (L.) Correa in Ann. Mus. Natl. Hist. Nat. 6 : 383. 1805; Hook. f. Fl. Brit. India 1 : 511. 1875; Gamble, Fl. Pres. Madras 1 : 113. 1957 (repr. ed.). *Limonia monophylla* L. Mant. Pl. 237. 1771. *A. floribunda* Wight, Ic. t. 1611. 1850.

Tamil: *Kattunaragam*, *Kattu Ehumichai*.

A thorny small tree, common in dry forests.

Distrib.: In almost all districts.

Atalantia racemosa Wight & Arn. Prodr. 91. 1834; Hook. f. Fl. Brit. India 1 : 512. 1875; Gamble, Fl. Pres. Madras 1 : 114. 1957 (repr. ed.). *Sclerostylis parviflora* Wight, Ic. t. 71. 1838.

Tamil: *Kattu Naragam*.

A small thorny tree.

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

Atalantia rotundifolia (Thw.) Tanaka in Bull. Soc. Bot. France 75 : 714. 1928. *Sclerostylis rotundifolia* Thw. Enum. Pl. Zeyl. 46. 1858. *Atalantia ceylanica* (Arn.) Oliver var. *rotundifolia* (Thw.) Oliver in J. Linn. Soc. Bot. 5 (Suppl. 2) : 25. 1861; Hook. f. Fl. Brit. India 1 : 513. 1875.

A bush or small tree with rounded, obovate or obcordate leaves.

Distrib.: "Madras" (Tanaka 1937). R.

Atalantia wightii Tanaka in Bull. Soc. Bot. France 75 : 714. 1928; Gamble, Fl. Pres. Madras 1 : 114. 1957 (repr. ed.). *A. ceylanica* sensu Hook. f. Fl. Brit. India 1 : 512. 1875 p.p., non (Arn.) Oliver 1861.

A thorny shrub or small tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Boeninghausenia albiflora (Hook.) Reichb. ex Meisner, Pl. Vasc. Gen. 2 : 44. 1836; Hook. f. Fl. Brit. India 1 : 486. 1875. *Ruta albiflora* Hook. Exot. Fl. 1 : t. 79. 1823.

An erect slender perennial herb.

Distrib.: Nilgiri.

Choisya ternata Kunth in H.B.K. Nov. Gen. Sp. 6 : 6. t. 513. 1823; Matthew in Rec. Bot. Surv. India 20(1) : 60. 1969.

An evergreen shrub, cultivated. "The Mexican orange".

Citrus aurantifolia (Christm.) Swingle in J. Wash. Acad. Sci. 3 : 465. 1913. *Limonia aurantifolia* Christm. in Linn.

Pflanzensyst. 1 : 618. 1777. *Citrus medica* L. var. *acida* (Roxb.) Hook. f. Fl. Brit. India 1 : 515. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.). *C. acida* Roxb. Fl. Ind. 3 : 391. 1832.

A shrub or small tree, cultivated; "Country lime".

Citrus aurantium L. Sp. Pl. 782. 1753; Hook. f. Fl. Brit. India 1 : 515. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.).

Tamil: *Orange*.

A small tree cultivated for its fruits.

Citrus grandis (L.) Osbeck, Dagbok Ostind. Resa 98. 1757. *C. aurantium* L. var. *grandis* L. Sp. Pl. 783. 1753. *C. decumana* L. Murr. Syst. ed. 13. 508. 1774; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.).

A tree under cultivation. E.

Citrus limetta Risso in Ann. Mus. Natl. Hist. Nat. 20 : 195. t. 2. f. 1. 1813; Wight, Ic. t. 958. 1845. *C. medica* L. var. *limetta* (Risso) Hook. f. Fl. Brit. India 1 : 515. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.).

Tamil: *Kolumichai*.

A tree cultivated for its fruits. "Sweet lime".

Citrus limon (L.) Burm. f. Fl. Ind. 173. 1768. *C. medica* L. var. *limon* L. Sp. Pl. 782. 1753. *C. medica* L. var. *limonum* (Risso) Hook. f. Fl. Brit. India 1 : 515. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.). *C. limonum* Risso in Ann. Mus. Natl. Hist. Nat. 20 : 201. 1813.

Tamil: *Malai Ehumichai*.

A small tree; flowers solitary or in short few flowered racemes; cultivated for its fruits. E.

Citrus lycopersiciformis (Lush.) Hort. ex Tanaka in J. Indian Bot. Soc. 16 : 237. 1937. *C. crenatifolia* Lush. var. *lycopersiciformis* Lush. in Indian Forester 36 : 343. 1910.

Fruits with sinuate apex. "Perhaps it is the only wild *Citrus* in Nilgiris..." (Tanaka 1937).

Citrus maderaspatana Hort. ex Tanaka in J. Indian Bot. Soc. 16 : 238. 1937.

Trees; leaves broadly winged. "The Kitchli of Madras, commonly cultivated for local consumption" (Tanaka 1937). E.

Citrus medica L. Sp. Pl. 782. 1753; Hook. f. Fl. Brit. India 1 : 514. 1875; Gamble, Fl. Pres. Madras 1 : 115. 1957 (repr. ed.).

A small tree in thickets along streams. "Citron".

Distrib.: Chengalpattu, Nilgiri (Gamble 1957), South Arcot; Dharmapuri and Tiruchchirappalli (Matthew 1981). E.

Citrus natsudaidai Hayata in Icon. Pl. Formosan. 8 : 29. 1919.

A tree. ".....under cultivation in..... Madras" (Tanaka 1937). E.

Citrus nobilis Lour. Fl. Cochinch. 466. 1790; Fyson, Fl. South Indian Hill St. 1 : 102. 1932.

A tree, cultivated. "The Mandarin orange" or "Tangerin".

Citrus pennivesiculata (Lush.) Tanaka in J. Indian Bot. Soc. 16 : 239. 1937. *C. megaloxycarpa* Lush. var. *pennivesiculata* Lush. in Indian Forester 36 : 345. 1910.

Tamil: *Gajanimma*, *Ganapathi Narathi*.

A tree, cultivated. E.

Citrus reshni (Engler) Hort. ex Tanaka in J. Indian Bot. Soc. 16 : 239. 1937. *C. aurantium* L. subsp. *keonla* Engler var. *reshni* Engler in Engler & Prantl, Pflanzenf. 3(4) : 200. 1896.

"Chota Kitchli, commonly cultivated in the vicinity of Madras..." (Tanaka 1937). E.

Citrus reticulata Blanco, Fl. Filip. 610. 1837. *C. chrysocarpa* Lush. in Indian Forester 36 : 343. 1910.

The commercial citrus fruit of India.

Distrib.: "Walaja Kamara of Madras" (Tanaka 1937).

Citrus sinensis (L.) Osbeck, Dagbok Ostind. Resa 41. 1757 & Reise Ostind. China 250. 1765; Matthew in Rec. Bot. Surv. India 20(1) : 61. 1969. *C. aurantium* L. var. *sinensis* L. Sp. Pl. 783. 1753.

An evergreen glabrous tree, cultivated. "Sweet oranges".

Citrus tangerina Hort. ex Tanaka in Mem. Tanaka Citrus Exp. Sta. 1(1) : 29. 1927.

A tree, cultivated. "Hyderabad Kamala of Madras" E.

Clausena dentata (Willd.) M. Roem. Syn. Hesper. 1 : 44. 1846. *Amyris dentata* Willd. Sp. Pl. 2 : 337. 1799. *Clausena willdenovii* Wight & Arn. Prodr. 96. 1834; Wight, Ic. t. 14. 1838; Hook. f. Fl. Brit. India 1 : 506. 1875; Gamble, Fl. Pres. Madras 1 : 110. 1957 (repr. ed.).

Tamil: *Potti*.

A small tree or big shrub with axillary inflorescence at low levels.

Distrib.: Almost all districts.

Clausena heptaphylla (Roxb.) Wight & Arn. Prodr. 95. 1834; Hook. f. Fl. Brit. India 1 : 504. 1875; Gamble, Fl. Pres. Madras 1 : 110. 1957 (repr. ed.). *Amyris heptaphylla* Roxb. Fl. Ind. 2 : 248. 1832.

A branching shrub or small tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Clausena indica (Dalz.) Oliver in J. Linn. Soc. Bot. 5 (Suppl. 2): 36. 1861; Hook. f. Fl. Brit. India 1 : 505. 1875; Gamble, Fl. Pres. Madras 1 : 110. 1957 (repr. ed.). *Piptostylis indica* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 33. t. 2. 1851.

A small tree with terminal inflorescence in evergreen forests.

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

Clausena lansium (Lour.) Skeels in U.S.D.A. Bur. Pl. Industr. Bull. 168 : 31, 1909. *Quinaria lausium* Lour. Fl. Cochinch. 272. 1790. *Clausena wampi* Blanco, Fl. Filip. 358, 1837; Hook. f. Fl. Brit. India 1 : 505, 1875; Gamble, Fl. Pres. Madras 1 : 110, 1957 (repr. ed.).

A tree, native of China, "cultivated for its orange flavoured small fruits" (Gamble 1957). E.

Euodia fraxinifolia (D. Don) Hook. f. Fl. Brit. India 1 : 490, 1875; Matthew in Rec. Bot. Surv. India 20(1) : 60, 1969. *Rhus fraxinifolia* D. Don, Prodr. Fl. Nep. 248, 1825.

An evergreen tree.

Distrib.: Madurai, Nilgiri.

Euodia lnu-ankenda (Gaertn.) Merr. in Philipp. J. Sci. 7 : 378, 1912, var. **lnu-ankenda**; Gamble, Fl. Pres. Madras 1 : 105, 1957 (repr. ed.). *Fagara lnu-ankenda* Gaertn. Fruct. 1 : 334, t. 68, f. 9, 1788. *Euodia roxburghiana* Benth. Fl. Hong. 59, 1861; Hook. f. Fl. Brit. India 1 : 487, 1875; Fyson, Fl. South Indian Hill St. 2 : t. 77, 1932.

A medium-sized tree with trifoliate leaves.

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

Euodia lnu-ankenda (Gaertn.) Merr. var. **tirunelvelica** Henry & Chandr. in Bull. Bot. Surv. India 15 : 144, 1973.

A tree with small leaves.

Distrib.: Kanniyakumari, Tirunelveli. R.

Fortunella japonica (Thunb.) Swingle in J. Wash. Acad. Sci. 5 : 171, 1915. *Citrus japonica* Thunb. Fl. Jap. 292, 1784.

A tree under cultivation.

Glycosmis angustifolia Lindl. ex Wight & Arn. Prodr. 93, 1834; Narayanaswami in Rec. Bot. Surv. India 14 (2) : 64, 1941. *G. pentaphylla* Correa var. **angustifolia** (Lindl. ex Wight & Arn.) Oliver

in J. Linn. Soc. Bot. 5 (Suppl. 27) : 37, 1861; Hook. f. Fl. Brit. India 1 : 500, 1875. *G. mauritiana* Tanaka var. **angustifolia** (Lindl. ex Wight & Arn.) Tanaka in J. Bot. 68 : 226, 1930.

A shrub.

Distrib.: Coimbatore (Narayanaswami 1941), Kanniyakumari, Tirunelveli.

Glycosmis hilocularis Thw. Enum. Pl. Zeyl. 45, 1858; Hook. f. Fl. Brit. India 1 : 500, 1875.

A shrub with few flowered, very short axillary panicles.

Distrib.: "Southmost end of Peninsular India" (Tanaka 1937). R.

Glycosmis cymosa (Kurz) Narayanaswami in Rec. Bot. Surv. India 14(2) : 26, 1941. *G. cyanocarpa* Spreng. var. **cymosa** Kurz in J. Bot. 14 : 34, 1876.

A shrub or small tree.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli.

Glycosmis macrocarpa Wight, Ill. 1 : 109, 1840; Subram. & Henry in Bull. Bot. Surv. India 12 : 3, 1970 (1972). *G. pentaphylla* Hook. f. var. **macrocarpa** (Wight) Hook. f. Fl. Brit. India 1 : 500, 1875.

An erect shrub.

Distrib.: Tirunelveli. R.

Glycosmis mauritiana (Lam.) Tanaka in Bot. Not. 1928 : 159, 1928. *Limonia mauritiana* Lam. Encycl. 3 : 517, 1792. *L. pentaphylla* auct. non Retz. 1789; Roxb. Pl. Cor. t. 84, 1798. *Glycosmis pentaphylla* sensu Narayanaswami in Rec. Bot. Surv. India 14(2) : 12, 1941 excl. syn. *Limonia pentaphylla* Retz.

An erect shrub with stout branches, common in the undergrowth of evergreen forests.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Glycosmis pentaphylla (Retz.) DC. Prodr. 1 : 538. 1824, quoad basionym; Tanaka in J. Indian Bot. Soc. 16 : 229. 1937; Hook. f. Fl. Brit. India 4 : 499. 1785 p.p. *Limonia pentaphylla* Retz. Obs. 5 : 24. 1789. *L. arborea* Roxb. Pl. Cor. t. 85. 1798. *Glycosmis cochinchinensis* sensu Gamble, Fl. Pres. Madras 153. 1915 & 1 : 109. 1957 (repr. ed.) p.p.

Tamil: *Amam, Kula pamai.*

A shrub or small tree.

Distrib.: Almost all districts.

Limonia acidissima L. Sp. Pl. ed. 2. 554. 1762. *Feronia elephantum* Correa in Trans. Linn. Soc. London 5 : 224. 1800; Hook. f. Fl. Brit. India 1 : 516. 1875; Gamble, Fl. Pres. Madras 1 : 114. 1957 (repr. ed.).

Tamil: *Vilanga.*

A moderate sized tree with sharp spines; fruit edible.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, Salem (Matthew 1981), South Arcot, Tiruchchirappalli (RHT).

Luvunga sarmentosa (Blume) Kurz in J. Asiat. Soc. Bengal 39 : 69. 1870. *Triphasia sarmentosa* Blume, Bijdr. 1 : 132. 1825. *Luvunga eleutherandra* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 258. 1850; Hook. f. Fl. Brit. India 1 : 509. 1875; Gamble, Fl. Pres. Madras 1 : 112. 1957 (repr. ed.).

A spiny climbing shrub in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Melicope indica Wight, Ic. t. 1051. 1846; Hook. f. Fl. Brit. India 1 : 492. 1875; Gamble, Fl. Pres. Madras 1 : 106. 1957 (repr. ed.).

A shrub with unifoliolate opposite leaves.

Distrib.: Nilgiri.

Murraya koenigii (L.) Spreng. Syst. Veg. 2 : 315. 1826; Hook. f. Fl. Brit. India 1 : 503. 1875; Gamble, Fl. Pres.

Madras 1 : 111. 1957 (repr. ed.). *Bergera koenigii* L. Mant. Pl. 565. 1771; Wight, Ic. t. 13. 1838.

Tamil: *Karivembu, Kattu Veppilai, Kariveppilai.*

A large shrub or small tree, cultivated for its aromatic leaves; the curry leaves. E.

Murraya paniculata (L.) Jack in Malayan Misc. 1 : 31. 1820. *Chalcas paniculata* L. Mant. Pl. 68. 1767; *Murraya exotica* L. Mant. Pl. 563. 1771, "Murraea"; Wight, Ic. t. 96. 1838; Hook. f. Fl. Brit. India 1 : 502. 1875; Gamble, Fl. Pres. Madras 1 : 111. 1957 (repr. ed.).

A large shrub or small tree, common in underwood and especially in ravines.

Distrib.: In almost all districts.

Naringi crenulata (Roxb.) Nicolson in Saldanha & Nicolson, Fl. Hassan Dist. 387. 1976. *Limonia crenulata* Roxb. Pl. Cor. t. 86. 1798; Gamble, Fl. Pres. Madras 1 : 112. 1957 (repr. ed.). *Hesperethusa crenulata* (Roxb.) M. Roem. Syn. Monog. 1 : 38. 1846. *Limonia acidissima* auct. non L. 1762; Hook. f. Fl. Brit. India 1 : 507. 1875.

A small thorny tree with crenulate imparipinnate leaves, in dry forests.

Distrib.: In most of the districts.

Pamburus missionis (Wight) Swingle in J. Wash. Acad. Sci. 6 : 338. 1916. *Limonia missionis* Wight, Ic. t. 175. 1839. *Atalantia missionis* (Wight) Oliver in J. Linn. Soc. Bot. 5 (Suppl. 2) : 25. 1861; Hook. f. Fl. Brit. India 1 : 513. 1875; Gamble, Fl. Pres. Madras 1 : 114. 1957 (repr. ed.).

Tamil: *Kuruntu.*

A small thorny tree.

Distrib.: Chengalpattu; Coimbatore and Nilgiri (Gamble 1957); Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Paramignya armata (Thw.) Oliver in J. Linn. Soc. Bot. 5 (Suppl. 2) : 48. 1861; Hook. f. Fl. Brit. India 1 : 511. 1875; Gamble, Fl. Pres. Madras 1 : 113. 1957 (repr. ed.). *Arthromischus armatus* Thw. Enum. Pl. Zeyl. 47. 1858.

A straggling shrub with hooked spines.

Distrib.: Tirunelveli.

Paramignya beddomi Tanaka in J. Bot. 68 : 230. 1930; Fischer in Gamble, Fl. Pres. Madras 3 : 1295. 1957 (repr. ed.). *P. armata* sensu Bedd. Ic. t. 275. 1868-1874. non (Fhw.) Oliver 1861.

A climbing shrub with zigzag branches.

Distrib.: Coimbatore, Tirunelveli (Fischer 1957).

Paramignya monophylla Wight, Ill. 1 : t. 42. 1840; Hook. f. Fl. Brit. India 1 : 510. 1875; Gamble, Fl. Pres. Madras 1 : 113. 1957 (repr. ed.).

A thorny climber.

Distrib.: Nilgiri, Tirunelveli.

Pleiospermium alatum (Wall. ex Wight & Arn.) Swingle in J. Wash. Acad. Sci. 6 : 427. 1916. *Limonia alata* Wall. ex Wight & Arn. Prodr. 92. 1834; Hook. f. Fl. Brit. India 1 : 508. 1875; Gamble, Fl. Pres. Madras 1 : 112. 1957 (repr. ed.).

A shrub or small tree with trifoliate leaves at the foot of hills.

Distrib.: In almost all districts.

Ruta chalepensis L. Mant. Pl. 1 : 69. 1767; Ramanathan & Kamala Ramachandran in J. Bombay Nat. Hist. Soc. 70 : 238. ff. 1-4. 1973. *R. graveolens* L. var. *angustifolia* sensu Hook. f. Fl. Brit. India 1 : 485. 1875.

Tamil: *Arvada*, *Pillaiyalathi*.

An erect perennial glabrous glaucous shrub, cultivated.

Toddalia asiatica (L.) Lam. Tabl. Encycl. 2 : 116. 1797; Gamble, Fl. Pres. Madras 1 : 107. 1957 (repr. ed.) incl. vars. *Paullinia asiatica* L. Sp. Pl. 365. 1753. *Toddalia aculeata* Pers. Syn. 1 : 249. 1805; Wight, Ic. t. 66. 1840; Hook. f. Fl. Brit. India 1 : 479. 1875.

A prickly climbing shrub; perhaps a variable species with few varieties and occasional intermediates.

Distrib.: In most of the districts.

Triphasia trifolia (Burm. f.) P. Wilson in Torreyia 9 : 33. 1909. *Limonia trifolia* Burm. f. Fl. Ind. 103. t. 35. f. 1. 1768. *Triphasia aurantiola* Lour. Fl. Cochinch. 1 : 153. 1790; Gamble, Fl. Pres. Madras 1 : 111. 1957 (repr. ed.). *T. trifoliolata* DC. Prodr. 1 : 536. 1824; Hook. f. Fl. Brit. India 1 : 507. 1875.

A spiny straggling shrub grown in garden for its fruits; "found run wild" (Gamble 1957).

Vepris bilocularis (Wight & Arn.) Engler in Engler & Prantl, Pflanzenf. 3 (4) : 178. 1896; Gamble, Fl. Pres. Madras 1 : 108. 1957 (repr. ed.) *Toddalia bilocularis* Wight & Arn. Prodr. 149. 1834; Bedd. Ic. t. 167. 1874; Hook. f. Fl. Brit. India 1 : 497. 1875.

A medium sized tree in evergreen forests.

Distrib.: Coimbatore. R.

Zanthoxylum armatum DC. Prodr. 1 : 727. 1824. *Z. alatum* Roxb. Fl. Ind. 3 : 768. 1832; Hook. f. Fl. Brit. India 1 : 493. 1875; Gamble, Fl. Pres. Madras 1 : 106. 1957 (repr. ed.).

A prickly shrub with winged petiole and thachis.

Distrib.: Nilgiri.

Zanthoxylum ovalifolium Wight, Ill. 1 : 169. 1840; Bedd. Fl. Sylv. t. 6. f. 3. 1871, "*Zanthoxylon*"; Hook. f. Fl. Brit. India 1 : 492. 1875 incl. var. *sepiarium*; Gamble, Fl. Pres. Madras 1 : 107. 1957 (repr. ed.).

A scandent shrub.

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

Zanthoxylum rhetsa (Roxb.) DC. Prodr. 1 : 728. 1824; Bedd. For. Man. Bot. 4). Anal. Gen. t. 6. 1871; Hook. f. Fl. Brit. India 1 : 495. 1875; Gamble, Fl. Pres. Madras 1 : 107. 1957 (repr. ed.). *Fagara rhetsa* Roxb. Fl. Ind. 1 : 438. 1820. *Zanthoxylum budrunga* (Roxb.) DC. Prodr. 1 : 728. 1824; Hook. f. Fl. Brit. India 1 : 495. 1875; Gamble, Fl.

Pres. Madras 1 : 107. 1957 (repr. ed.).
Fagara budrunga Roxb. Fl. Ind. 1 : 437.
1820.

A large deciduous tree with conical spines.

Distrib.: Coimbatore.

Zanthoxylum tetraspermum Wight & Arn. Prodr. 148. 1834; Hook. f. Fl. Brit. India 1 : 494. 1875; Gamble, Fl. Pres. Madras 1 : 107. 1957 (repr. ed.).

A large woody climber with hooked prickles.

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

SIMAROUBACEAE

S.R. SRINIVASAN

Ailanthus excelsa Roxb. Pl. Cor. t. 23. 1795; Wight, Ill. 1 : t. 67. 1840; Bennett in Hook. f. Fl. Brit. India 1 : 518. 1875; Gamble, Fl. Pres. Madras 1 : 116. 1957 (repr. ed.).

Tamil: *Peruppi*.

A beautiful tree in the forests; often planted.

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

Allanthus triphysa (Dennst.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 41. 1931. *Adenantha triphysa* Dennst. Schluess. Hort. Ind. Malab. 32. 1818. *Ailanthus malabarica* DC. Prodr. 2 : 89. 1825, nom. illeg.; Wight, Ic. t. 1604. 1850; Bennett in Hook. f. Fl. Brit. India 1 : 518. 1875; Gamble, Fl. Pres. Madras 1 : 116. 1957 (repr. ed.).

Tamil: *Peru, Perumaram*.

A lofty deciduous tree; often planted.

Quassia amara L. Sp. Pl. ed. 2. 553. 1762.

A shrub or small tree; introduced in gardens.

SURIANACEAE

S.R. SRINIVASAN

Suriana maritima L. Sp. Pl. 284. 1753; Bennett in Hook. f. Fl. Brit. India 1 : 522. 1875; Fischer in Gamble, Fl. Pres. Madras 3 : 1296. 1957 (repr. ed.).

An insipid littoral shrub.

Distrib.: Ramanathapuram, E.

BALANITACEAE

S.R. SRINIVASAN

Balanites aegyptiaca (L.) Del. Descr. Egypt. Hist. Nat. 2 : 221. t. 28. f. 1. 1813; Wight, Ic. t. 274. 1840. *Ximenia aegyptiaca* L. Sp. Pl. 1194. 1753. *Balanites roxburghii* Planch. in Ann. Sci. Nat. Bot. ser. 4. 4 : 258. t. 2. 1854; Bennett in Hook. f. Fl. Brit. India 1 : 522. 1875; Gamble, Fl. Pres. Madras 1 : 117. 1957 (repr. ed.).

Tamil: *Nanjunda*.

A small tree on black cotton soil in dry forests.

Distrib.: Coimbatore, Ramanathapuram, Salem, Tiruchchirappalli (Matthew 1981). E.

OCHNACEAE

R. CHANDRASEKARAN

Gomphia serrata (Gaertn.) Kanis in Taxon 16 : 422. 1967. *Meesia serrata* Gaertn. Fruct. 1 : 344. t. 70. f. 6. 1788. *Gomphia angustifolia* Vahl, Symb. Bot. 2 : 49. 1791; Bennett in Hook. f. Fl. Brit. India 1 : 525. 1875. *Ouratea angustifolia* (Vahl) Baill. ex Laness. Pl. Util. Col. Fr. 607. 1886; Gamble, Fl. Pres. Madras 1 : 119. 1957 (repr. ed.).

Tamil: *Ramanchi*.

A shrub or small tree with shining leaves, in the hilly tracts.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli; "S. Canara to Tinnevely" (Gamble 1957).

Ochna integerrima (Lour.) Merr. in Trans. Amer. Philos. Soc. n.s. 24 (2) : 265. 1935. *Elaeocarpus integerrimus* Lour. Fl. Cochinch. 338. 1790. *Ochna wallichii* Planch. in London J. Bot. 5 :

650. 1846; Bennett in Hook. f. Fl. Brit. India 1 : 524. 1875; Fischer in Gamble, Fl. Pres. Madras 3 : 1296. 1957 (repr. ed.).

A shrub or small tree in the low hilly tracts.

Distrib.: Salem (Fischer 1957). E. R.

Ochna lanceolata Spreng. Syst. Veg. 2 : 596. 1825. *O. wightiana* Wall. ex Wight & Arn. Prodr. 152. 1834; Wight, Ic. t. 223. 1839; Bennett in Hook. f. Fl. Brit. India 1 : 524. 1875; Gamble, Fl. Pres. Madras 1 : 119. 1957 (repr. ed.). *O. heerneana* Wight & Arn. Prodr. 152. 1834; Gamble, Fl. Pres. Madras 1 : 119. 1957 (repr. ed.).

Tamil: *Katharai*, *Silimbi*.

A shrub or small tree in the hills.

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

Ochna obtusata DC. in Ann. Mus. Natl. Hist. Nat. 17 : 411. t. 11. 1811, var. **obtusata**. *O. squarrosa* auct. non L. 1753; Wight, Ill. 1 : t. 69. 1840; Bennett in Hook. f. Fl. Brit. India 1 : 523. 1875; Gamble, Fl. Pres. Madras 1 : 118. 1957 (repr. ed.).

Tamil: *Padalakkonai*, *Panjaram*.

A small tree with thin brown bark.

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

Ochna obtusata DC. var. **gamblei** (King ex Brandis) Kanis in Blumea 16 : 34. 1968. *O. gamblei* King ex Brandis, Indian Trees 128. 1906; Gamble, Fl. Pres. Madras 1 : 118. 1957 (repr. ed.). *O. beddomei* Gamble in Kew Bull. 1916: 34. 1916 & Fl. Pres. Madras 1 : 118. 1957 (repr. ed.).

A small tree in dry places and rocky hills.

Distrib.: Chengalpattu (Gamble 1957), North Arcot; Dharmapuri and Salem (Matthew 1981). R.

Ochna obtusata DC. var. **pumila** (Buch. Ham. ex DC.) Kanis in Blumea 15 : 34. 1968. *O. pumila* Buch. Ham. ex DC. Prodr. 1 : 736. 1824; Bennett in Hook. f. Fl. Brit. India 1 : 524. 1875; Gamble, Fl. Pres. Madras 1 : 118. 1957 (repr. ed.).

A dwarf undershrub in the hills.

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

BURSERACEAE

A. N. HENRY

Boswellia serrata Roxb. ex Coleb. in Asiat. Res. 9 : 379. t. 5. 1807; Bennett in Hook. f. Fl. Brit. India 1 : 528. 1875; Gamble, Fl. Pres. Madras 1 : 120. 1957 (repr. ed.). *B. glabra* Roxb. Pl. Cor. t. 207. 1811; Gamble, Fl. Pres. Madras 1 : 120. 1957 (repr. ed.). *B. serrata* Roxb. var. *glabra* (Roxb.) Bennett in Hook. f. Fl. Brit. India 1 : 528. 1875.

Tamil: *Kungli*.

A deciduous tree with papery bark, mostly in dry forests.

Distrib.: Coimbatore, Dharmapuri, Salem, South Arcot (Matthew 1981).

Bursera penicillata (Sesse & Moc. ex DC.) Engler in Bot. Jahrb. Syst. 1 : 44. 1881 & in DC. Monog. Phan. 4 : 52. 1883. *Elaphrium penicillatum* Sesse & Moc. ex DC. Prodr. 1 : 724. 1824. *Bursera delpechiana* Poiss. ex Engler in DC. Monog. Phan. 4 : 53. 1883.

A medium sized deciduous tree occasionally cultivated; yields a fragrant essential oil.

Distrib.: Coimbatore, Dharmapuri, Salem (FRC). E.

Canarium strictum Roxb. Fl. Ind. 3 : 138. 1832; Bedd. Fl. Sylv. t. 128. 1871; Bennett in Hook. f. Fl. Brit. India 1 : 534. 1875; Gamble, Fl. Pres. Madras 1 : 123. 1957 (repr. ed.).

Tamil: *Karuppu Kungiliam*.

A lofty tree in moist evergreen forests.

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

Canarium vulgare Leenh. in Bernice P. Bishop Mus. Bull. 216 : 31, f. 13, 1955 & in Blumea 8 : 188, 1955. *C. commune* L. Mant. Pl. 127, 1767 p.p. typo excl.; Bennett in Hook. f. Fl. Brit. India 1 : 531, 1875; Gamble, Fl. Pres. Madras 1 : 123, 1957 (repr. ed.).

A large tree, occasionally cultivated in gardens.

Commiphora berryi (Arn.) Engler in DC. Monog. Phan. 4 : 17, 1883; Gamble, Fl. Pres. Madras 1 : 122, 1957 (repr. ed.). *Balsamodendron berryi* Arn. in Ann. Nat. Hist. ser. 1 : 3 : 86, 1839; Bedd. Fl. Sylv. t. 126, 1871; Bennett in Hook. f. Fl. Brit. India 1 : 529, 1875.

A shrub or small tree of dry forests, the branchlets ending in sharp spines.

Distrib.: In most of the districts.

Commiphora caudata (Wight & Arn.) Engler in DC. Monog. Phan. 4 : 27, 1883; Gamble, Fl. Pres. Madras 1 : 122, 1957 (repr. ed.). *Protium caudatum* Wight & Arn. Prodr. 176, 1834; Bedd. Fl. Sylv. t. 125, 1871; Bennett in Hook. f. Fl. Brit. India 1 : 530, 1875.

Tamil: *Kiluvai*.

A deciduous, unarmed tree with papery bark, usually in dry forests.

Distrib.: Almost all districts.

Commiphora pubescens (Wight & Arn.) Engler in DC. Monog. Phan. 4 : 21, 1883; Gamble, Fl. Pres. Madras 1 : 122, 1957 (repr. ed.). *Protium pubescens* Wight & Arn. Prodr. 176, 1834; Bennett in Hook. f. Fl. Brit. India 1 : 530, 1875.

A small unarmed tree with pubescent leaflets.

Distrib.: Coimbatore, Madurai, Pudukkottai (RHT), Ramanathapuram, Tirunelveli.

Garuga floribunda Decne. var. *gamblei* (King ex W.W. Sm.) Kalkman in Blumea 7 : 466, 1953. *G. gamblei* King ex W.W. Sm. in Rec. Bot. Surv. India 4 : 262, 1913; Gamble, Fl. Pres. Madras 1 : 121, 1957 (repr. ed.).

A large tree with long, slender panicles.

Distrib.: Coimbatore, Madurai (Kalkman 1953), Nilgiri; Dharmapuri, Salem and South Arcot (Matthew 1981).

Garuga pinnata Roxb. Pl. Cor. t. 208, 1819; Bennett in Hook. f. Fl. Brit. India 1 : 528, 1875; Gamble, Fl. Pres. Madras 1 : 121, 1957 (repr. ed.).

A large tree with short, crowded panicles.

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

MELIACEAE

N.C. NAIR and R. RAJAN

Aglaia apiocarpa (Thw.) Hiern in Hook. f. Fl. Brit. India 1 : 555, 1875. *Milnea apiocarpa* Thw. Enum. Pl. Zeyl. 60, 1858.

A small tree.

Distrib.: Coimbatore.

Aglaia barberi Gamble in Kew Bull. 1915 : 346, 1915 & Fl. Pres. Madras 1 : 129, 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Tirunelveli.

Aglaia domestica (Correa) Pellegrin Lecomte, Fl. Gen. Indoch. 1 : 766, 1911. *Lansium domesticum* Correa in Ann. Mus. Natl. Hist. Nat. 10 : 157, t. 7, Carpal. t. 10, f. 1, 1807; Hiern in Hook. f. Fl. Brit. India 1 : 558, 1875; Gamble, Fl. Pres. Madras 1 : 130, 1957 (repr. ed.).

A tree cultivated for its edible fruits.

Distrib.: Nilgiri (Wealth of India 1962).

Aglaia elaeagnoides (Juss.) Benth. Fl. Austral. 1 : 383, 1863, var. *elaegnoides*. *Nemeda elaeagnoides* Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 259, t. 14, 1830. *Aglaia roxburghiana* (Wight & Arn.) Miq. in Ann. Mus. Bot. Lugduno-Batavum 4 : 41, 1868; Hiern in Hook. f. Fl. Brit. India 1 : 555, 1875; Gamble, Fl. Pres. Madras 1 : 128, 1957 (repr. ed.). *Milnea roxburghiana* Wight & Arn. Prodr. 119, 1834; Wight, Ic. t. 166, 1839.

Tamil: *Chokkala*.

Trees up to 15 m tall.

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

Aglaia elaeagnoidea (Juss.) Benth. var. *beddomei* (Gamble) K.K.N. Nair in J. Bombay Nat. Hist. Soc. 78 : 426. 1981. *A. roxburghiana* (Wight & Arn.) Miq. var. *beddomei* Gamble, Fl. Pres. Madras 180. 1915 & 1 : 129. 1957 (repr. ed.). *A. roxburghiana* sensu Bedd. Fl. Sylv. t. 130 A. 1871, non (Wight & Arn.) Miq. 1868.

Tamil: *Chokkala*.

A tree with red hard wood and light brown bark.

Distrib.: Coimbatore, Tiruchchirappalli, Tirunelveli.

Aglaia elaeagnoidea (Juss.) Benth. var. *bourdillonii* (Gamble) K.K.N. Nair in J. Bombay Nat. Hist. Soc. 78 : 426. 1981. *A. bourdillonii* Gamble in Kew Bull. 1915 : 346. 1915 & Fl. Pres. Madras 1 : 129. 1957 (repr. ed.). *A. roxburghiana* sensu Bedd. Fl. Sylv. t. 130B. 1871, non (Wight & Arn.) Miq. 1868.

A rare tree up to 15 m tall; berries obovoid, ferruginous scaly.

Distrib.: Kanniyakumari, Tirunelveli.

Aglaia elaeagnoidea (Juss.) Benth. var. *courtallensis* (Gamble) K.K.N. Nair in J. Bombay Nat. Hist. Soc. 78 : 426. 1981. *A. roxburghiana* (Wight & Arn.) Miq. var. *courtallensis* Gamble, Fl. Pres. Madras 180. 1915 & 1 : 129. 1957 (repr. ed.).

A tree; leaflets usually 5, small.

Distrib.: Chengalpattu, Kanniyakumari, Madurai, Tirunelveli; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Aglaia indica (Hook. f.) Harms in Pflanzenf. ed. 2. 19b. 1 : 146. 1940. *Beddomea indica* Hook. f. in Benth. & Hook. f. Gen. Pl. 1 : 336. 1862; Hiern in Hook. f. Fl. Brit. India 1 : 566. 1875; Gamble, Fl. Pres. Madras 1 : 132. 1957 (repr. ed.).

A twiggy shrub of the evergreen forest undergrowth.

Distrib.: Nilgiri.

Aglaia lawii (Wight) Saldanha in Saldanha & Nicolson, Fl. Hassan Dist. 392. 1976. *Nimmoia lawii* Wight in Calcutta J. Nat. Hist. 7 : 13. 1847. *Amoora lawii* (Wight) Bedd. Fl. Sylv. t. 133. 1871; Hiern in Hook. f. Fl. Brit. India 1 : 561. 1875; Gamble, Fl. Pres. Madras 1 : 130. 1957 (repr. ed.).

A moderate-sized tree, apparently scarce.

Distrib.: Tirunelveli.

Aglaia minutiflora Bedd. Ic. t. 193. 1868 1874; Gamble, Fl. Pres. Madras 1 : 129. 1957 (repr. ed.). *A. minutiflora* Bedd. var. *travancorica* Hiern in Hook. f. Fl. Brit. India 1 : 557. 1875.

A handsome slender tree.

Distrib.: Coimbatore, Nilgiri; "Courtallum" (Hiern 1875).

Aglaia odorata Lour. Fl. Cochinch. 173. 1790; Wight, Ic. t. 511. 1841; Hiern in Hook. f. Fl. Brit. India 1 : 554. 1875; Gamble, Fl. Pres. Madras 1 : 129. 1957 (repr. ed.).

A small pretty tree grown in gardens.

Aglaia simplicifolia (Bedd.) Harms in Pflanzenf. ed. 2. 19b. 1 : 146. 1940. *Beddomea simplicifolia* Bedd. Fl. Sylv. t. 135. 1871; Hiern in Hook. f. Fl. Brit. India 1 : 566. 1875 incl. vars.; Gamble, Fl. Pres. Madras 1 : 132. 1957 (repr. ed.).

A small tree.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Aglaia tamilnadensis Nair & Rajan nom. nov. *Amoora canarana* (Turcz.) Hiern in Hook. f. Fl. Brit. India 1 : 560. 1875, non *Aglaia canarensis* Gamble 1915; Gamble, Fl. Pres. Madras 1 : 130. 1957 (repr. ed.). *Oraoma canarana* Turcz. in Bull. Soc. Imp. Naturalistes Moscou 1 : 411. 1858.

A large evergreen tree.

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

Aphanamixis polystachya (Wall.) Parker in Indian Forester 57 : 486, 1931. *Aglaia polystachya* Wall. in Roxb. Fl. Ind. 2 : 429, 1824. *Amoora rohituka* (Roxb.) Wight & Arn. in Wight, Cat. 24, 1833 & Prodr. 119, 1834; Bedd. Fl. Sylv. t. 132, 1871; Hiern in Hook. f. Fl. Brit. India 1 : 559, 1875; Gamble, Fl. Pres. Madras 1 : 130, 1957 (repr. ed.). *Andersonia rohituka* Roxb. Fl. Ind. 2 : 213, 1832.

Tamil: *Melampuluvam*.

A moderate - sized evergreen tree.

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

Azadirachta indica A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 221, t. 2, f. 5, 1830; Wight, Ic. t. 17, 1838; Gamble, Fl. Pres. Madras 1 : 127, 1957 (repr. ed.). *Melia azadirachta* L. Sp. Pl. 385, 1753; Hiern in Hook. f. Fl. Brit. India 1 : 544, 1875.

Tamil: *Vepa*.

A very important and useful deciduous tree.

Distrib.: In most of the districts.

Chukrasia tabularis A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 251, t. 22, 1830; Bedd. Fl. Sylv. t. 9, 1869; Hiern in Hook. f. Fl. Brit. India 1 : 568, 1875, "*Chikrassia*"; Gamble, Fl. Pres. Madras 1 : 133, 1957 (repr. ed.).

Tamil: *Aglay, Maleiveppu*.

A very large beautiful tree with reddish brown bark.

Distrib.: In most of the districts.

Cipadessa baccifera (Roth) Miq. in Ann. Mus. Bot. Lugduno Batavum 4 : 6, 1868; Gamble, Fl. Pres. Madras 1 : 126, 1957 (repr. ed.). *Melia baccifera* Roth, Nov. Pl. Sp. 215, 1821. *Cipadessa fruticosa* Blume, Bijdr. 162, 1825; Hiern in Hook. f. Fl. Brit. India 1 : 545, 1875. *Mallea rothii* A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 222, t. 13, f. 6,

1830; Bedd. For. Man. Bot. 54, Anal. Gen. t. 8/5, 1871.

Tamil: *Pullipancheddi*.

A bushy shrub or small tree.

Distrib.: In most of the districts.

Dysoxylum binectariferum (Roxb.) Hook. f. ex Bedd. in Trans. Linn. Soc. London 25 : 212, 1866; Hiern in Hook. f. Fl. Brit. India 1 : 546, 1875; Gamble, Fl. Pres. Madras 1 : 127, 1957 (repr. ed.). *Guarea binectarifera* Roxb. Fl. Ind. 2 : 240, 1832, "*binertarifera*". *Dysoxylum macrocarpum* Bedd. Fl. Sylv. t. 150, 1871.

Tamil: *Agurivagil, Cambil*.

An evergreen tree.

Distrib.: Coimbatore, Tirunelveli.

Dysoxylum ficiforme (Wight) Gamble, Fl. Pres. Madras 178, 1915 & 1 : 127, 1957 (repr. ed.). *Amoora ficiformis* Wight, Ill. 1 : 47, 1840; Hiern in Hook. f. Fl. Brit. India 1 : 546, 1875 (in note under *Dysoxylum binectariferum*).

A large tree in evergreen forest.

Distrib.: Coimbatore.

Dysoxylum malabaricum Bedd. ex Hiern in Hook. f. Fl. Brit. India 1 : 548, 1875; Gamble, Fl. Pres. Madras 1 : 128, 1957 (repr. ed.).

Tamil: *Vellaiyagil, Purippa*.

A very large tree reaching 35 m in height and 1.5 m in girth; bark grey with white warts.

Distrib.: Coimbatore, Nilgiri.

Melia azedarach L. Sp. Pl. 384, 1753; Wight, Ic. t. 160, 1839; Hiern in Hook. f. Fl. Brit. India 1 : 544, 1875; Gamble, Fl. Pres. Madras 1 : 126, 1957 (repr. ed.).

Tamil: *Malay vembu*.

A pretty medium sized tree usually cultivated, at times running wild.

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

Melia dubia Cav. Diss. 7 : 364. 1789; Hiern in Hook. f. Fl. Brit. India 1 : 545. 1875. *M. composita* Willd. Sp. Pl. 2 : 559. 1799; Bedd. Fl. Sylv. t. 12. 1869; Gamble, Fl. Pres. Madras 1 : 126. 1957 (repr. ed.).

Tamil: *Malay vembu*.

A large deciduous tree with a soft reddish white wood.

Distrib.: Almost all districts.

Munronia pinnata (Wall.) Harms in Ber. Deutsch. Bot. Ges. 35: 78. 1917. *Turraea pinnata* Wall. Pl. Asiat. Rar. 2 : 21. t. 119. 1829. *Munronia wallichii* Wight, Ill. 1 : t. 54. 1840; Hiern in Hook. f. Fl. Brit. India 1 : 543. 1875; Gamble, Fl. Pres. Madras 1 : 125. 1957 (repr. ed.).

A low shrub in thick forest under growth.

Distrib.: Coimbatore, Madurai, Nilgiri.

Naregamia alata Wight & Arn. Prodr. 117. 1834; Wight, Ic. t. 90. 1838; Hiern in Hook. f. Fl. Brit. India 1 : 542. 1875; Gamble, Fl. Pres. Madras 1 : 125. 1957 (repr. ed.).

A small branching undershrub.

Distrib.: Kanniyakumari. E.

Reinwardtiidendron anamallayanum (Bedd.) Saldanha in Saldanha & Nicolson, Fl. Hassan Dist. 392. 1976. *Lansium anamallayanum* Bedd. in Madras J. Lit. Sci. ser. 3, 1 : 40. 1864, "*anamalaiense*" & Fl. Sylv. t. 131. 1871; Hiern in Hook. f. Fl. Brit. India 1 : 558. 1875; Gamble, Fl. Pres. Madras 1 : 130. 1957 (repr. ed.).

Tamil: *Santhanaviri*.

A handsome, medium-sized tree of the evergreen forests with white flowers.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Sandorium koetjape (Burn. f.) Merr. in Philipp. J. Sci. 7 : 237. 1912. *Melia koetjape* Burn. f. Fl. Ind. 101. 1768. *Sandorium indicum* Cav. Diss. 7 : 359. tt. 202 & 203. 1789; Hiern in Hook. f. Fl. Brit. India 1 : 553. 1875.

Tamil: *Sayai, Sevai*.

A tall tree, cultivated in the gardens for its edible fruits.

Soymida febrifuga (Roxb.) A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 251. 1830; Bedd. Fl. Sylv. t. 8. 1869; Hiern in Hook. f. Fl. Brit. India 1 : 567. 1875; Gamble, Fl. Pres. Madras 1 : 133. 1957 (repr. ed.). *Swietenia febrifuga* Roxb. Pl. Cor. t. 17. 1795.

Tamil: *Shem, Sontimaram, Wond*.

A large tree with thick bluish grey or brown bitter bark.

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

Swietenia macrophylla King in Hooker's Icon. Pl. 16 : t. 1550. 1886.

A beautiful lofty evergreen tree, cultivated in gardens.

Swietenia mahagoni (L.) Jacq. Enum. Pl. Carib. 20. 1760; Gamble, Fl. Pres. Madras 1 : 134. 1957 (repr. ed.). *Cedrela mahagoni* L. Syst. Nat. ed. 10 : 940. 1759.

The Mahogany tree of the West Indies, sometimes found in gardens and avenues; also planted in some forest localities for its timber. E.

Toona ciliata M. Roem. Syn. Hesper. 139. 1846, var. *ciliata*. *Cedrela toona* Roxb. ex Rottl. & Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 2 : 198. 1803; Wight, Ic. t. 161. 1839; Hiern in Hook. f. Fl. Brit. India 1 : 568. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 133. 1957 (repr. ed.).

Tamil: *Santhana vembu, Tunumaram*.

A large deciduous and beautiful tree up to 25 m tall.

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

Toona ciliata M. Roem. var. *latifolia* (C. DC.) Chandr. in Biol. Mem. 2 (1 & 2) : 28. 1977. *Cedrela toona* Roxb. ex Rottl. & Willd. var. *latifolia* C. DC.

in Rec. Bot. Surv. India 3 : 365, 1908; Gamble, Fl. Pres. Madras 1 : 134, 1957 (repr. ed.).

A large tree.

Distrib.: Coimbatore, Nilgiri.

Toona ciliata M. Roem. var. **pilipetala** (C. DC.) Nair & Kumari comb. nov. *Cedrela toona* Roxb. ex Rottl. & Willd. var. *pilipetala* C. DC. in Rec. Bot. Surv. India 3 : 367, 1908.

A tree.

Distrib.: Nilgiri (De Candolle 1908).

Toona ciliata M. Roem. var. **pilistila** (C. DC.) Nair & Kumari comb. nov. *Cedrela toona* Roxb. ex Rottl. & Willd. var. *pilistila* C. DC. in Rec. Bot. Surv. India 3 : 365, 1908.

A tree.

Distrib.: Salem (De Candolle 1908).

Trichilia connaroides (Wight & Arn.) Benthelzen in Acta Bot. Neerl. 11 : 13, 1962. *Zanthoxylum connaroides* Wight & Arn. Prodr. 148, 1834. "Zanthoxylon" *Heynea trijuga* Roxb. ex Sims in Bot. Mag. t. 1738, 1815, non *Trichilia trijuga* Vell. 1825; Hiern in Hook. f. Fl. Brit. India 1 : 565, 1875; Gamble, Fl. Pres. Madras 1 : 131, 1957 (repr. ed.). *Heynea affinis* A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 235, 275, 1830, non *Trichilia affinis* A. Juss. 1829; Bedd. Fl. Sylv. t. 134, 1871.

Tamil: *Karalhilangee, Karai.*

A handsome tree with small, fragrant, white flowers.

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

Turraea villosa Benn. Fl. Jav. Rar. 1 : 182, 1840; Wight, Ic. t. 1593, 1850; Hiern in Hook. f. Fl. Brit. India 1 : 542, 1875; Gamble, Fl. Pres. Madras 1 : 124, 1957 (repr. ed.).

A large shrub or tree.

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

Walsura trifolia (A. Juss.) Harms in Engler & Prantl, Pflanzenf. ed. 2, 19 b: 119, 177, 1940. *Heynea trifolia* A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 235, 1830. *Walsura piscida* Roxb. Fl. Ind. 2 : 387, 1832; Wight, Ill. 1 : t. 55, 1840; Hiern in Hook. f. Fl. Brit. India 1 : 564, 1875; Gamble, Fl. Pres. Madras 1 : 131, 1957 (repr. ed.).

Tamil: *Walsura, Cheddavokko, Kanjimarani.*

A moderate-sized tree with yellowish white flowers.

Distrib.: In most of the districts.

Xylocarpus granatum Koen. in Naturforscher (Halle) 20 : 2, 1784. *X. obovatus* (Blume) A. Juss. in Mem. Mus. Natl. Hist. Nat. 19 : 244, 1830; Gamble, Fl. Pres. Madras 1 : 132, 1957 (repr. ed.). *Carapa obovata* Blume. Bijdr. 179, 1825. *C. maluccensis* auct. non Lam. 1784; Bedd. Fl. Sylv. t. 136, 1871; Hiern in Hook. f. Fl. Brit. India 1 : 567, 1875.

Tamil: *Somanthiri, Kantolanyey.*

A moderate-sized evergreen tree with grey bark.

Distrib.: South Arcot.

FLINDERSIACEAE N.C. NAIR and R. RAJAN

Chloroxylon swietenia DC. Prodr. 1 : 625, 1824; Bedd. Fl. Sylv. t. 11, 1869; Hiern in Hook. f. Fl. Brit. India 1 : 569, 1875; Gamble, Fl. Pres. Madras 1 : 109, 1957 (repr. ed.).

Tamil: *Purush.*

A moderate-sized tree in deciduous forests.

Distrib.: In all dry districts.

DICHAPETALACEAE S.R. SRINIVASAN

Dichapetalum gelonioides (Roxb.) Engler in Engler & Prantl, Pflanzenf. 3(4) : 348, 1896; Gamble, Fl. Pres. Madras 1 : 134, 1957 (repr. ed.). *Moacurra gelonioides* Roxb. Fl. Ind. 2 : 69, 1832.

Chailletia gelonioides (Roxb.) Bedd. For. Man. Bot. 59. Anal. Gen. t. 9/1. 1871; Hook. f. Fl. Brit. India 1 : 570. 1875.

A small tree, up to an elevation of 1300 m.

Distrib.: Coimbatore, Tirunelveli. E.

OLACACEAE
E. VAJRAVELU

Anacolosa densiflora Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 38. 1864 & Fl. Sylv. t. 138. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 580. 1875; Gamble, Fl. Pres. Madras 1 : 137. 1957 (repr. ed.).

Tamil: *Katta ockkali*.

A lofty tree.

Distrib.: Coimbatore (Gamble 1957).

Olax scandens Roxb. Pl. Cor. t. 102. 1799; Mast. in Hook. f. Fl. Brit. India 1 : 575. 1875; Gamble, Fl. Pres. Madras 1 : 136. 1957 (repr. ed.).

Tamil: *Kadalranchi*.

A climbing shrub with curved prickles on old wood.

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

Olax wightiana Wall. ex Wight & Arn. Prodr. 89. 1834, var. *wightiana*; Bedd. For. Man. Bot. 60. Anal. Gen. 9/2. 1871; Mast. in Hook. f. Fl. Brit. India 1 : 575. 1875; Gamble, Fl. Pres. Madras 1 : 136. 1957 (repr. ed.).

An unarmed scandent shrub or small tree.

Distrib.: Coimbatore and Madurai (Gamble 1957); Ramanathapuram, Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981).

Olax wightiana Wall. ex Wight & Arn. var. *nigrescens* Gamble, Fl. Pres. Madras 190. 1915 & 1 : 136. 1957 (repr. ed.).

A scandent shrub with lenticels on branchlets.

Distrib.: Coimbatore, Tirunelveli. R.

Strombosia ceylanica Gard. in Calcutta J. Nat. Hist. 6 : 350. 1846; Bedd. Fl. Sylv. t. 137. 1871; Mast. in Hook. f.

Fl. Brit. India 1 : 579. 1875; Gamble, Fl. Pres. Madras 1 : 137. 1957 (repr. ed.).

A large tree.

Distrib.: Tirunelveli. R.

Ximena americana L. Sp. Pl. 1193. 1753; Mast. in Hook. f. Fl. Brit. India 1 : 574. 1875; Gamble, Fl. Pres. Madras 1 : 135. 1957 (repr. ed.).

Tamil: *Chiru-illanthai*.

A large thorny shrub in dry forests; fruits bright orange scarlet, edible.

Distrib.: Coimbatore (Gamble 1957); Salem, South Arcot and Tiruchchirappalli (Matthew 1981). R.

OPILIACEAE
S.R. SRINIVASAN

Cansjera rhecdii Gmel. Syst. 1 : 280. 1791; Wight, Ic. t. 1861. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 582. 1875; Gamble, Fl. Pres. Madras 1 : 138. 1957 (repr. ed.).

A climbing shrub in the hilly regions.

Distrib.: Almost all districts.

Opilia amentacea Roxb. Pl. Cor. t. 158. 1802; Mast. in Hook. f. Fl. Brit. India 1 : 583. 1875; Gamble, Fl. Pres. Madras 1 : 138. 1957 (repr. ed.).

A weak climbing shrub.

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

ICACINACEAE
S.R. SRINIVASAN

Apodytes dimidiata E. Meyer ex Arn. in J. Bot. (Hooker) 3 : 155. 1840. *A. benthamiana* Wight, Ic. t. 1153. 1846; Mast. in Hook. f. Fl. Brit. India 1 : 588. 1875; Gamble, Fl. Pres. Madras 1 : 140. 1957 (repr. ed.). *A. beddomei* Mast. in Hook. f. Fl. Brit. India 1 : 588. 1875; Gamble, Fl. Pres. Madras 1 : 140. 1957 (repr. ed.).

A medium sized tree in evergreen forests.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari (UCT), Madurai (HIFP), Nilgiri, Salem (RHT), Tirunelveli.

Gomphandra coriacea Wight, Ill. 1 : 103. 1840; Gamble, Fl. Pres. Madras 1 : 140. 1957 (repr. ed.). *G. polymorpha* Wight, Ill. 1 : 103. 1840 p.p. & Ic. tt. 953 & 954. 1845; Mast. in Hook. f. Fl. Brit. India 1 : 586. 1875 p.p.

A small tree or large shrub in the shola forests.

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

Gomphandra tetrandra (Wall. ex Roxb.) Sleumer in Notizbl. Bot. Gart. Berlin Dahlem 15 : 238. 1940. *Lasianthera tetrandra* Wall. ex Roxb. Fl. Ind. 2 : 328. 1824. *Gomphandra axillaris* Wall. ex Bedd. Fl. Sylv. t. 61. 1870; Mast. in Hook. f. Fl. Brit. India 1 : 586. 1875. *G. polymorpha* Wight, Ill. 1 : 103. 1840 p.p.; Mast. in Hook. f. Fl. Brit. India 1 : 586. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 139. 1957 (repr. ed.).

A shrub or small tree in shola forests.

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

Miquelia dentata Bedd. in Trans. Linn. Soc. London 25 : 211. t. 23. 1865 1866; Mast. in Hook. f. Fl. Brit. India 1 : 593. 1875; Gamble, Fl. Pres. Madras 1 : 141. 1957 (repr. ed.).

A climbing shrub in the hills.

Distrib.: Coimbatore.

Nothapodytes nimmoniana (Graham) Mabblerley in Manilal, Bot. Hist. Hort. Malab. 88. 1980. *Premna nimmoniana* Graham, Cat. Pl. Bombay 155. 1839. *Nothapodytes foetida* (Wight) Sleumer in Notizbl. Bot. Gart. Berlin Dahlem 15 : 247. 1940. *Stemonurus foetidus* Wight, Ic. t. 955. 1845. *Mappia foetida* (Wight) Miers in Ann. Mag. Nat. Hist. ser. 2. 9 : 395. 1852 & Contrib. Bot. 1 : 64. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 589. 1875; Gamble, Fl. Pres. Madras 1 : 141. 1957 (repr. ed.).

M. wightiana Miers in Ann. Mag. Nat. Hist. ser. 2. 9 : 397. 1852 & Contrib. Bot. 1 : 66. 1852; Gamble, Fl. Pres. Madras 1 : 141. 1957 (repr. ed.). *M. tomentosa* Miers in Ann. Mag. Nat. Hist. ser. 2. 9 : 397. 1852 & Contrib. Bot. 1 : 67. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 589. 1875; Gamble, Fl. Pres. Madras 1 : 141. 1957 (repr. ed.). *M. ovata* Miers in Ann. Mag. Nat. Hist. ser. 2. 9 : 396. 1852 & Contrib. Bot. 1 : 65. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 589. 1852; Gamble, Fl. Pres. Madras 1 : 141. 1957 (repr. ed.).

Tamil: *Arali*.

A small or medium sized tree in evergreen forests.

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

Pyrenacantha volubilis Wight in Bot. Misc. 2 : 107. 1831; Wight, Ill. Suppl. tt. 9 & 10. 1831; Gamble, Fl. Pres. Madras 1 : 142. 1957 (repr. ed.).

A much branched climbing shrub in the hills.

Distrib.: Coimbatore, Madurai, Ramnathapuram, South Arcot, Tiruchchirappalli, Tirunelveli.

Sarcostigma kleinii Wight & Arn. in Edinburgh New Philos. J. 14 : 299. 1833; Wight, Ic. t. 1854. 1852; Mast. in Hook. f. Fl. Brit. India 1 : 594. 1875; Gamble, Fl. Pres. Madras 1 : 142. 1957 (repr. ed.).

Tamil: *Odal*, *Peevenna*.

A climbing shrub in the hills and at low elevations.

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

ERYTHROPALACEAE

E. VAJRAVELU

Erythropalum populifolium (Arn.) Mast. in Hook. f. Fl. Brit. India 1 : 578. 1875; Gamble, Fl. Pres. Madras 1 : 137. 1957 (repr. ed.). *Mackaya populifolia* Arn. in Mag. Zool. Bot. 2 : 550. 1838.

A climbing shrub at low elevations.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

AQUIFOLIACEAE

K. RAMAMURTHY

Ilex aquifolium L. Sp. Pl. 125. 1753; Matthew in Rec. Bot. Surv. India 20 (1) : 62. 1969.

A branched, evergreen shrub or small tree; cultivated in gardens. E.

Ilex denticulata Wall. ex Wight, Ill. 2 : t. 142. 1850; Hook. f. Fl. Brit. India 1 : 600. 1875; Gamble, Fl. Pres. Madras 1 : 144. 1957 (repr. ed.).

A small tree or large shrub in high ranges.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Salem (Matthew 1981). R. +.

Ilex gardneriana Wight, Ic. t. 1217. 1848; Hook. f. Fl. Brit. India 1 : 603. 1875; Gamble, Fl. Pres. Madras 1 : 144. 1957 (repr. ed.).

A small tree or large shrub in high ranges.

Distrib.: Nilgiri. R. +.

Ilex malabarica Bedd. Fl. Sylv. t. 143. 1871; Hook. f. Fl. Brit. India 1 : 600. 1875; Gamble, Fl. Pres. Madras 1 : 143. 1957 (repr. ed.).

A large tree in low elevation of hills.

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

Ilex opaca Ait. Hort. Kew. 1 : 169. 1789; Matthew in Rec. Bot. Surv. India 20 (1) : 61. 1969.

An evergreen tree, cultivated.

Ilex walkeri Wight & Gard. ex Thw. Enum. Pl. Zeyl. 184. 1860; Hook. f. Fl. Brit. India 1 : 600. 1875 p.p. *I. thwaitesii* Loes. ex Gamble, Fl. Pres. Madras 200. 1918 & 1 : 143. 1957 (repr. ed.).

A small densely branched tree.

Distrib.: Madurai, Nilgiri.

Ilex wightiana Wall. ex Wight, Ic. t. 1216. 1848; Hook. f. Fl. Brit. India

1 : 603. 1875; Gamble, Fl. Pres. Madras 1 : 143. 1957 (repr. ed.).

Tamil: *Velloday*.

A large tree, common in sholas.

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

CELASTRACEAE

(incl. HIPPOCRATEACEAE)

K. RAMAMURTHY

Bhesa indica (Bedd.) Ding Hou in Blumea Suppl. 4 : 152. 1958. *Trochisandra indica* Bedd. Fl. Sylv. t. 120. 1874. *Kurrimia bipartita* Lawson in Hook. f. Fl. Brit. India 1 : 622. 1875. *K. indica* (Bedd.) Gamble, Fl. Pres. Madras 209. 1918 & 1 : 149. 1957 (repr. ed.). *K. paniculata* sensu Lawson in Hook. f. Fl. Brit. India 1 : 622. 1875 p.p.

Tamil: *Kadapla*.

A large tree, in evergreen forests.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Cassine glauca (Rottb.) Kuntze, Rev. Gen. Pl. 1 : 114. 1891. *Mangifera glauca* Rottb. in Nye Saml. Kongel. Danske Vidensk. Selsk. Skr. 2 : 534. t. 4. f. 1. 1783. *Elaeodendron glaucum* (Vahl) Pers. Syn. 1 : 241. 1806; Lawson in Hook. f. Fl. Brit. India 1 : 623. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 152. 1957 (repr. ed.). *Celastrus glaucus* Vahl, Symb. Bot. 2 : 42. 1791. *Elaeodendron roxburghii* Wight & Arn. Prodr. 157. 1834; Wight, Ill. 1 : t. 71. 1840.

Tamil: *Karuvali*.

Distrib.: Almost all districts.

Cassine paniculata (Wight & Arn.) Loeb.-Callen in Adansonia ser. 2. 15 : 220. 1976. *Elaeodendron paniculatum* Wight & Arn. Prodr. 157. 1834; Gamble, Fl. Pres. Madras 1 : 152. 1957 (repr. ed.). *E. glaucum* sensu Lawson in Hook. f. Fl. Brit. India 1 : 623. 1875 p.p.

A large tree in low elevations.

Distrib.: "W. Ghats, N. slopes of Nilgiri and Anamalai hills up to 3000 ft." (Gamble 1957).

Celastrus paniculatus Willd. Sp. Pl. 1 : 1125. 1797; Wight, Ic. t. 158. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 617. 1875; Gamble, Fl. Pres. Madras 1 : 150. 1957 (repr. ed.).

Tamil : *Valukurai*.

A climbing shrub mostly in deciduous forests.

Distrib.: Almost all districts.

Euonymus angulatus Wight, Ic. t. 1053. 1846; Lawson in Hook. f. Fl. Brit. India 1 : 610. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.).

A small tree in evergreen forests.

Distrib.: Coimbatore, Nilgiri. R.

Euonymus crenulatus Wall. ex Wight & Arn. Prodr. 161. 1834; Wight, Ic. t. 973. 1845; Lawson in Hook. f. Fl. Brit. India 1 : 608. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.).

A small evergreen tree.

Distrib.: Most of the Southern districts.

Euonymus dichotomous Heyne ex Roxb. Fl. Ind. 2 : 40. 1824; Lawson in Hook. f. Fl. Brit. India 1 : 609. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.).

Tamil : *Vini*.

A small evergreen tree.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari (UCT), Madurai (Gamble 1957), Tiruchchirappalli, Tirunelveli; Dharmapuri and Salem (Matthew 1981).

Euonymus indicus Heyne ex Roxb. Fl. Ind. 2 : 409. 1824; Lawson in Hook. f. Fl. Brit. India 1 : 608. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.). *E. goughii* Wight, Ic. t. 215. 1839.

A small tree in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

Euonymus paniculatus Wight ex Lawson in Hook. f. Fl. Brit. India 1 : 609. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.). *E. crenulatus* Wall. ex Wight & Arn. var. *laxiflora* Wight, Ic. t. 214. 1839.

A shrub in low elevations.

Distrib.: Tirunelveli. O. R.

Euonymus serratifolius Bedd. For. Man. Bot. 64. 1872 & Ic. t. 171. 1868 - 1874; Lawson in Hook. f. Fl. Brit. India 1 : 609. 1875; Gamble, Fl. Pres. Madras 1 : 146. 1957 (repr. ed.).

A shrub in evergreen forests.

Distrib.: Nilgiri.

Glyptopetalum grandiflorum Bedd. Ic. t. 102. 1868 - 1874; Lawson in Hook. f. Fl. Brit. India 1 : 613. 1875; Gamble, Fl. Pres. Madras 1 : 147. 1957 (repr. ed.).

A large shrub, common in sholas.

Distrib.: Nilgiri.

Glyptopetalum lawsonii Gamble in Kew Bull. 1916 : 131. 1916 & Fl. Pres. Madras 1 : 147. 1957 (repr. ed.).

A large shrub or small tree in low elevations.

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

Glyptopetalum zeylanicum Thw. in Hooker's J. Bot. Kew Gard. Misc. 8 : 267. t. 7B. 1856; Lawson in Hook. f. Fl. Brit. India 1 : 612. 1875; Gamble, Fl. Pres. Madras 1 : 147. 1957 (repr. ed.).

A large shrub or small tree in low elevations.

Distrib.: Coimbatore, Tirunelveli. R.

Loeseneriella obtusifolia (Roxb.) A.C. Smith in Amer. J. Bot. 28 : 440. 1941. *Hippocratea obtusifolia* Roxb. Fl. Ind. 1 : 166. 1820; Lawson in Hook. f. Fl. Brit. India 1 : 623. 1875; Gamble, Fl. Pres. Madras 1 : 153. 1957 (repr. ed.).

A climbing shrub common in dry forests.

Distrib.: All districts.

Lophopetalum wightianum Arn. in Ann. Nat. Hist. 3 : 151. 1839; Wight, Ic. t. 162. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 615. 1875; Gamble, Fl. Pres. Madras 1 : 147. 1957 (repr. ed.).

Tamil: *Venkottai*.

A lofty tree common in evergreen forests.

Distrib.: Coimbatore, Nilgiri. E.

Maytenus emarginata (Willd.) Ding Hou in Steenis, Fl. Males. ser. 1. 6(2) : 241. 1962. *Celastrus emarginatus* Willd. Sp. Pl. 1 : 2. 1798. *C. montanus* Roth in Roem. & Schultes, Syst. 5 : 427. 1819; Wight, Ic. t. 382. 1840. *Gymnosporia montana* (Roth) Benth. Fl. Austral. 1 : 400. 1863; Lawson in Hook. f. Fl. Brit. India 1 : 621. 1875; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.). *G. emarginata* (Willd.) Thw. Enum. Pl. Zeyl. 409. 1864; Lawson in Hook. f. Fl. Brit. India 1 : 621. 1875; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.).

A thorny shrub commonly found in dry forests.

Distrib.: Almost all districts.

Maytenus heyneana (Roth) Raju & Babu in Bull. Bot. Surv. India 10 : 348. 1968. *Celastrus heyneanus* Roth in Roem. & Schultes, Syst. 5 : 421. 1819 p.p. *Gymnosporia heyneana* (Roth) Lawson in Hook. f. Fl. Brit. India 1 : 620. 1875; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.).

Tamil: *Nandunarai*.

A thorny shrub common in dry forests.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Salem, Tiruchchirappalli; Dharmapuri and South Arcot (Matthew 1981).

Maytenus ovatus (Wall. ex Wight & Arn.) Loes. in Engler & Prantl, Pflanzenf. ed. 2. 20b : 140. 1942. *Celastrus ovatus* Wall. ex Wight & Arn. Prodr. 159. 1834. *Gymnosporia ovata* (Wall. ex Wight & Arn.) Lawson in Hook. f. Fl. Brit. India 1 : 619. 1875; Fyson, Fl. South Indian Hill St. 2 : t. 89. 1932; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.).

An unarmed shrub in low elevations.

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

Maytenus rufa (Wall.) Hara in J. Jap. Bot. 40 : 327. 1965. *Celastrus rufa* Wall. in Roxb. Fl. Ind. 2 : 397. 1824. *Gymnosporia rufa* (Wall.) Lawson in Hook. f. Fl. Brit. India 1 : 271. 1875; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.).

A thorny shrub in low elevations of hilly forests.

Distrib.: Coimbatore, North Arcot.

Maytenus wallichiana (Wight & Arn.) Raju & Babu in Bull. Bot. Surv. India 10 : 348. 1968. *Celastrus wallichiana* Wight & Arn. Prodr. 159. 1834. *Gymnosporia wallichiana* (Wight & Arn.) Spreng. Syst. Veg. 5 : Index 150. 1828; Lawson in Hook. f. Fl. Brit. India 1 : 621. 1875; Gamble, Fl. Pres. Madras 1 : 151. 1957 (repr. ed.).

A zigzag branched thorny shrub, common in scrubs.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, Tirunelveli.

Microtropis densiflora Wight, Ic. t. 1052. 1846; Lawson in Hook. f. Fl. Brit. India 1 : 614. 1875; Gamble, Fl. Pres. Madras 1 : 149. 1957 (repr. ed.).

A straggling shrub, common along the slopes of hills.

Distrib.: Madurai, Nilgiri. R.

Microtropis latifolia Wight ex Lawson in Hook. f. Fl. Brit. India 1 : 613. 1875; Gamble, Fl. Pres. Madras 1 : 148. 1957 (repr. ed.).

A small tree in evergreen forests.

Distrib.: Coimbatore, Nilgiri.

Microtropis microcarpa Wight, Ic. t. 975. 1845; Lawson in Hook. f. Fl. Brit. India 1 : 614. 1875; Gamble, Fl. Pres. Madras 1 : 149. 1957 (repr. ed.).

A small tree or shrub in evergreen forests.

Distrib.: Madurai, Nilgiri.

Microtropis ovalifolia Wight, Ic. t. 976. 1845; Lawson in Hook. f. Fl. Brit. India 1 : 614. 1875; Gamble, Fl. Pres. Madras 1 : 149. 1957 (repr. ed.).

A small shrub or tree in evergreen forests.

Distrib.: Madurai, Nilgiri.

Microtropis ramiflora Wight, Ic. t. 977, 1845; Lawson in Hook. f. Fl. Brit. India 1 : 614, 1875; Gamble, Fl. Pres. Madras 1 : 149, 1957 (repr. ed.).

A tree, common in sholas.

Distrib.: Coimbatore, Madurai, Nilgiri.

Microtropis stocksii Gamble in Kew Bull. 1916 : 132, 1916 & Fl. Pres. Madras 1 : 148, 1957 (repr. ed.).

A small tree in low elevations.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Microtropis wallichiana Wight ex Thw. Enum. Pl. Zeyl. 71, 1858; Lawson in Hook. f. Fl. Brit. India 1 : 613, 1875; Gamble, Fl. Pres. Madras 1 : 148, 1957 (repr. ed.).

A small tree, common in evergreen forests.

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

Pleurostylia opposita (Wall.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 48, 1931. *Celasirus opposita* Wall. in Roxb. Fl. Ind. 2 : 398, 1824. *Pleurostylia wightii* Wight & Arn. Prodr. 157, 1834; Wight, Ic. t. 155, 1839; Lawson in Hook. f. Fl. Brit. India 1 : 617, 1875; Gamble, Fl. Pres. Madras 1 : 152, 1957 (repr. ed.).

Tamil: *Chirupivari*.

A small evergreen tree.

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

Reissantia grahamii (Wight) Ding Hou in Blumea 12 : 33, 1963. *Hippocratea grahamii* Wight, Ill. 1 : 134, 1840 & Ic. t. 380, 1840; Lawson in Hook. f. Fl. Brit. India 1 : 624, 1875.

A scandent shrub, fruits distinctly follicular.

Distrib.: Dharmapuri (Matthew 1981), Nilgiri.

Reissantia indica (Willd.) Halle in Mem. Inst. Franc. Afrique Noire 64 : 85, 1962. *Hippocratea indica* Willd. Sp. Pl. 1 : 193, 1797; Roxb. Pl. Cor. t. 130, 1798; Lawson in Hook. f. Fl. Brit. India 1 : 625, 1875; Gamble, Fl. Pres. Madras 1 : 153, 1957 (repr. ed.).

Tamil: *Odankodi*.

A climbing shrub, common in scrubs.

Distrib.: Almost all districts.

Salacia beddomei Gamble in Kew Bull. 1916 : 133, 1916 & Fl. Pres. Madras 1 : 155, 1957 (repr. ed.).

A climbing shrub in low elevations of hills.

Distrib.: Coimbatore, O. R.

Salacia chinensis L. Mant. Pl. 2 : 293, 1767; Ding Hou in Steenis, Fl. Males. ser. 1, 6(3):419, 1964, "*sinensis*". *S. prioides* DC. Prodr. 1 : 571, 1824; Lawson in Hook. f. Fl. Brit. India 1 : 626, 1875; Gamble, Fl. Pres. Madras 1 : 154, 1957 (repr. ed.).

A straggling shrub, young twigs angular.

Distrib.: Dharmapuri, Salem, South Arcot, Tiruchchirappalli (Matthew 1981).

Salacia fruticosa Heyne ex Lawson in Hook. f. Fl. Brit. India 1 : 628, 1875; Gamble, Fl. Pres. Madras 1 : 155, 1957 (repr. ed.).

A climbing shrub, common in evergreen forests.

Distrib.: Coimbatore, Madurai.

Salacia macrosperma Wight, Ic. t. 962, 1845; Lawson in Hook. f. Fl. Brit. India 1 : 628, 1875; Gamble, Fl. Pres. Madras 1 : 154, 1957 (repr. ed.).

A rambling shrub, in high altitudes.

Distrib.: Nilgiri, E.

Salacia oblonga Wall. ex Wight & Arn. Prodr. 106, 1834; Wight, Ic. t. 97, 1838; Lawson in Hook. f. Fl. Brit. India 1 : 628, 1875; Gamble, Fl. Pres. Madras 1 : 155, 1957 (repr. ed.).

A climbing shrub or small tree in the hilly slopes.

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

RHAMNACEAE

V. CHITHRA

Alphitonia excelsa Reiss. ex Endlicher, Gen. Pl. 1098. 1840.

A tall hard-wooded timber tree; cultivated.

Colletia cruciata Gill. & Hook. in Bot. Misc. 1 : 152. t. 43. 1830.

An erect, rigid, spiny shrub, introduced in hill stations. E.

Colletia ferox Gill. & Hook. in Bot. Misc. 1 : 154. 1830.

A tree; cultivated. E.

Colubrina asiatica (L.) Brongn. Mem. Fam. Rhamn. 62. 1826; Wight, Ill. 1 : t. 74. 1840; Lawson in Hook. f. Fl. Brit. India 1 : 642. 1875; Gamble, Fl. Pres. Madras 1 : 161. 1957 (repr. ed.). *Ceanothus asiaticus* L. Sp. Pl. 196. 1753.

Tamil: *Mayirmanikkan*.

A much-branched, unarmed shrub with yellowish green flowers.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tiruchchirappalli (RHT); "often planted, especially near the coast" (Gamble 1957). E.

Gouania microcarpa DC. Prodr. 2 : 40. 1825; Lawson in Hook. f. Fl. Brit. India 1 : 643. 1875; Gamble, Fl. Pres. Madras 1 : 161. 1957 (repr. ed.).

A large, unarmed, climbing shrub with extra axillary tendrils; in wet deciduous or semievergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Hovenia dulcis Thunb. Fl. Jap. 101. 1784; Lam. Tabl. Encycl. t. 131. 1792; Lawson in Hook. f. Fl. Brit. India 1 : 640. 1875.

A small deciduous, unarmed tree, often cultivated. E.

Maesopsis eminii Engler, Pflanzenw. Ost. Afr. 255. 1895 & in Engler & Prantl, Pflanzenf. 3. 5 : 399. 1895.

A tree, introduced and cultivated.

Noltea africana (L.) Reichb. ex Harv. & Sond. Fl. Cap. 1 : 478. 1859-1860; Gamble, Fl. Pres. Madras 1 : 162. 1957 (repr. ed.). *Ceanothus africanus* L. Sp. Pl. 196. 1753.

A glabrous shrub, flowers white, cultivated in hill-gardens and has run wild.

Pomaderris apetala Labill. Nov. Holl. Pl. 1 : 52. t. 87. 1805.

A shrub or small tree, cultivated in gardens. E.

Pomaderris lanigera Sims in Bot. Mag. t. 1823. 1816; Fyson, Fl. South Indian Hill St. 2 : t. 94. 1932.

An erect, evergreen branching shrub, introduced.

Rhamnus cathartica L. Sp. Pl. 193. 1753.

A deciduous shrub, cultivated in gardens.

Rhamnus davurica Pall. Reise Prov. Russ. 3 : 721. 1776, "*davuricus*"; Lawson in Hook. f. Fl. Brit. India 1 : 639. 1875.

A shrub or tree, very variable in habit; cultivated.

Rhamnus virgatus Roxb. Fl. Ind. 1 : 604. 1820; Fyson, Fl. South Indian Hill St. 2 : t. 91. 1932; Gamble, Fl. Pres. Madras 1 : 159. 1957 (repr. ed.). *R. davurica* Pall. var. *hirsutus* (Wight & Arn.) Lawson in Hook. f. Fl. Brit. India 1 : 639. 1875. *R. hirsutus* Wight & Arn. Prodr. 165. 1834.

A deciduous shrub or small tree of forest undergrowth, branches usually ending in a sharp slender thorn.

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

Rhamnus wightii Wight & Arn. Prodr. 164. 1834; Wight, Ic. t. 159. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 639. 1875; Gamble, Fl. Pres. Madras 1 : 159. 1957 (repr. ed.).

Tamil: *Peyppula*.

A large woody, climbing unarmed shrub; berry globose, smooth, reddish purple when ripe.

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

Sageretia hamosa Brongn. in Ann. Sci. Nat. Bot. ser. 1. 10 : 360. 1827; Lawson in Hook. f. Fl. Brit. India 1 : 641. 1875; Gamble, Fl. Pres. Madras 1 : 160. 1957 (repr. ed.).

A large scandent shrub.

Distrib.: Madurai, Nilgiri.

Sageretia parviflora (Klein) G. Don, Gen. Syst. 2 : 29. 1832; Gamble, Fl. Pres. Madras 1 : 160. 1957 (repr. ed.). *Rhamnus parviflora* Klein in Roem. & Schultes, Syst. 5 : 295. 1820. *Sageretia oppositifolia* Brongn. in Ann. Sci. Nat. Bot. ser. 1. 10 : 360. 1827; Lawson in Hook. f. Fl. Brit. India 1 : 641. 1875 p.p.

A scandent shrub or small tree, fruits obovoid, black when ripe, succulent.

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

Scutia myrtina (Burm. f.) Kurz in J. Asiat. Soc. Bengal 44 : 168. 1875; Gamble, Fl. Pres. Madras 1 : 160. 1957 (repr. ed.). *Rhamnus myrtinus* Burm. f. Fl. Ind. 60. 1768. *Scutia indica* Brongn. Mem. Fam. Rhamn. 56. 1826; Wight, Ill. 1 : t. 73. 1840; Lawson in Hook. f. Fl. Brit. India 1 : 640. 1875.

Tamil: *Tuvadi*.

A small tree or scandent shrub in dry deciduous and scrub forests.

Distrib.: Almost all districts. E.

Ventilago denticulata Willd. in Ges. Naturf. Freunde Berlin Neue Schriften. 3 : 417. 1801. *V. calyculata* Tul. in Ann. Sci. Nat. Bot. ser. 4. 8 : 124. 1857; Lawson

in Hook. f. Fl. Brit. India 1 : 631. 1875; Gamble, Fl. Pres. Madras 1 : 156. 1957 (repr. ed.).

A large conspicuous forest climber, flowers with an offensive odour.

Distrib.: Coimbatore, Nilgiri. E.

Ventilago gamblei Suesseng. in Engler & Prantl, Pflanzenf. ed. 2. 20 d : 152. 1953. *V. lanceolata* Gamble in Kew Bull. 1916: 134. 1916 & Fl. Pres. Madras 1 : 157. 1957 (repr. ed.), non Merr. 1915.

A climbing shrub.

Distrib.: Coimbatore, Tirunelveli.

Ventilago goughii Gamble in Kew Bull. 1916: 134. 1916 & Fl. Pres. Madras 1 : 156. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Nilgiri, Tirunelveli. +.

Ventilago maderaspatana Gaertn. Fruct. 1 : 223. t. 49. f. 2. 1788; Wight, Ic. t. 163. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 631. 1875; Gamble, Fl. Pres. Madras 1 : 156. 1957 (repr. ed.), "*maderaspatana*".

Tamil: *Vempadam*, *Pappili*.

A slender climbing shrub in deciduous or semi-evergreen forests.

Distrib.: Almost all districts. E.

Ziziphus glabrata Heyne ex Roth, Nov. Pl. Sp. 159. 1821; Wight, Ic. t. 282. 1840; Lawson in Hook. f. Fl. Brit. India 1 : 633. 1875. *Z. trinervia* Roxb. Fl. Ind. 1 : 606. 1832; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.).

Tamil: *Karakattan*, *Karukaya*.

A small, unarmed tree, at low elevations, in dry localities.

Distrib.: Coimbatore, Dharmapuri, Kanniyakumari (UCT), Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Ziziphus horrida Roth, Nov. Pl. Sp. 159. 1821; Lawson in Hook. f. Fl. Brit. India 1 : 636. 1875; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.).

A shrub or small tree in dry forests and scrub lands.

Distrib.: Ramanathapuram, Tiruchchirappalli (RHT).

Ziziphus incurva Roxb. Fl. Ind. 1 : 614. 1820; Lawson in Hook. f. Fl. Brit. India 1 : 635. 1875; Fyson. Fl. South Indian Hill St. 1 : 118. 1932.

A large tree, cultivated in gardens.

Ziziphus mauritiana Lam. Encycl. 3 : 319. 1789, var. **mauritiana**. *Z. jujuba* (L.) Gaertn. Fruct. 1 : 203. 1788, non Mill. 1768; Wight, Ic. t. 99. 1838; Lawson in Hook. f. Fl. Brit. India 1 : 632. 1875; Gamble, Fl. Pres. Madras 1 : 157. 1957 (repr. ed.). *Rhamnus jujuba* L. Sp. Pl. 194. 1753.

Tamil: *Yellande, Ilantha*.

A much branched thorny tree in deciduous dry forests.

Distrib.: In all dry districts. E.

Ziziphus mauritiana Lam. var. **fruticosa** (Haines) Sebastine & Balakr. in Indian Forester 89 : 525. 1963. *Z. jujuba* Lam. var. **fruticosa** Haines, For. Fl. Chota Nagpur 270. 1910; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.).

A shrub with small leaves, chiefly on stony waste lands.

Distrib.: North Arcot, Tiruchchirappalli. E.

Ziziphus nummularia (Burm. f.) Wight & Arn. in Wight, Cat. 31. 1833 & Prodr. 162. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 633. 1875; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.). *Rhamnus nummularia* Burm. f. Fl. Ind. 61. 1768.

Tamil: *Korgodi*.

A small, straggling shrub with geniculate branches near the base, in dry scrub forests.

Distrib.: Coimbatore, Dharmapuri, Kanniyakumari, Pudukkottai, Ramanathapuram, Tirunelveli. E.

Ziziphus oenoplia (L.) Mill. Gard. Dict. ed. 8. n. 3. 1768; Lawson in Hook. f. Fl. Brit. India 1 : 634. 1875; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.). *Rhamnus oenoplia* L. Sp. Pl. 194. 1753.

Tamil: *Kottei, Surainullu, Shingai*.

A large scandent shrub or small tree in dry forest localities and open bushy places.

Distrib.: Almost all districts. E.

Ziziphus rugosa Lam. Encycl. 3 : 319. 1789; Wight, Ic. t. 339. 1840; Lawson in Hook. f. Fl. Brit. India 1 : 636. 1875; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.).

Tamil: *Charai, Kattilandai, Kottaimaram*.

A large straggling thorny shrub or small tree in dry deciduous forests.

Distrib.: Almost all districts. E.

Ziziphus xylopyrus (Retz.) Willd. Sp. Pl. 1 : 1104. 1798; Lawson in Hook. f. Fl. Brit. India 1 : 634. 1875; Gamble, Fl. Pres. Madras 1 : 158. 1957 (repr. ed.). *Rhamnus xylopyrus* Retz. Obs. Bot. 2 : 11. 1781.

Tamil: *Kottei*.

A large straggling shrub or small tree, in dry deciduous forests.

Distrib.: Almost all districts.

VITACEAE

K. RAMAMURTHY

Ampelocissus araneosa (Dalz. & Gibs.) Planch. in DC. Monog. Phan. 5 : 176. 1887; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Cissus araneosus* Dalz. & Gibs. Bombay Fl. 41. 1861. *Vitis araneosus* (Dalz. & Gibs.) Lawson in Hook. f. Fl. Brit. India 1 : 657. 1875.

A climbing shrub, common in low elevations of hills.

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

Ampelocissus arnottiana Planch. in DC. Monog. Phan. 5 : 370. 1887; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Vitis indica* auct. non L. 1753; Wight & Arn. Prodr. 131. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 653. 1875.

A slender climbing shrub in scrubs.

Distrib.: Nilgiri, Tirunelveli.

Ampelocissus divaricata (Wall. ex Lawson) Planch. in Vigne Amer. Vitic. Europe 8 : 375. 1884 & DC. Monog. Phan. 5 : 378. 1887; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Vitis divaricata* Wall. ex Lawson in Hook. f. Fl. Brit. India 1 : 657. 1875.

A slender climber.

Distrib.: Salem (Matthew 1981).

Ampelocissus erioclada (Wight & Arn.) Planch. in Vigne Amer. Vitic. Europe 8 : 375. 1884; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Vitis erioclada* Wight & Arn. in Wight, Cat. 59. 1833 & Prodr. 130. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 651. 1875.

A stout climbing shrub in hilly regions.

Distrib.: Tirunelveli.

Ampelocissus latifolia (Roxb.) Planch. in Vigne Amer. Vitic. Europe 8 : 374. 1884; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Vitis latifolia* Roxb. Fl. Ind. 1 : 661. 1820; Lawson in Hook. f. Fl. Brit. India 1 : 652. 1875.

A climbing shrub, in hilly forests.

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

Ampelocissus tomentosa (Heyne ex Roth) Planch. in Vigne Amer. Vitic. Europe 8 : 375. 1884; Gamble, Fl. Pres. Madras 1 : 165. 1957 (repr. ed.). *Vitis tomentosa* Heyne ex Roth, Nov. Pl. Sp. 157. 1821; Wight, Ill. 1 : t. 57. 1840; Lawson in Hook. f. Fl. Brit. India 1 : 650. 1875.

A climbing shrub in hilly forests.

Distrib.: Coimbatore, Nilgiri, North Arcot, South Arcot, Tiruchchirappalli (RHT); Dharmapuri and Salem (Matthew 1981).

Cayratia anemonifolia (Zipp. ex Miq.) Suesseng. in Engler & Prantl, Pflanzenf. ed. 2. 20d : 280. 1953; Maulick in Bull. Bot. Surv. India 13 : 159. 1971. *Vitis anemonifolia* Zipp. ex Miq. in Ann. Mus. Bot. Lugduno-Batavum. 1 : 80. 1864.

A climber, in high altitudes.

Distrib.: Nilgiri. R.

Cayratia auriculata (Roxb.) Gamble, Fl. Pres. Madras 237. 1918 & 1 : 170. 1957 (repr. ed.). *Cissus auriculata* Roxb. Fl. Ind. 1 : 130. 1820. *Vitis auriculata* (Roxb.) Wall. Cat. n. 6031. 1831-1832; Wight, Ic. t. 145. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 658. 1875.

A climber in hilly regions.

Distrib.: Coimbatore, North Arcot.

Cayratia carnososa (Wall. ex Wight & Arn.) Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 347. 1911; Gamble, Fl. Pres. Madras 1 : 169. 1957 (repr. ed.). *Vitis carnososa* (Lam.) Wall. Cat. n. 6018. 1831-1832; Wight, Ic. t. 171. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 654. 1875.

A fleshy twining shrub, common in hilly areas.

Distrib.: Almost all districts.

Cayratia japonica (Thunb.) Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 349. 1911; Gamble, Fl. Pres. Madras 1 : 169. 1957 (repr. ed.). *Vitis japonica* Thunb. Fl. Jap. 104. 1784. *V. tenuifolia* Wight & Arn. Prodr. 129. 1834 p.p.; Lawson in Hook. f. Fl. Brit. India 1 : 660. 1875 p.p.

A slender climber.

Distrib.: Nilgiri.

Cayratia mollissima (Wall.) Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 345. 1911; Gamble, Fl. Pres. Madras 1 : 169. 1957 (repr. ed.). *Vitis mollissima* Wall. in Roxb. Fl. Ind. 2 : 482. 1824; Lawson in Hook. f. Fl. Brit. India 1 : 656. 1875.

A climbing shrub in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

Cayratia pedata (Lam.) Juss. ex Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 346. 1911, var. **pedata**; Fyson, Fl. South Indian Hill St. 2 : t. 97. 1932; Gamble, Fl. Pres. Madras 1 : 169. 1957 (repr. ed.). *Cissus pedata* Lam. Encycl. 1 : 31. 1783. *Vitis pedata* (Lam.) Wall. ex Wight, cat. 26. 1833 & in Wight & Arn. Prodr. 128. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 661. 1875.

A climbing shrub in hilly tracts.

Distrib.: Almost all districts.

Cayratia pedata (Lam.) Juss. ex Gagnep. var. **glabra** Gamble, Fl. Pres. Madras 236. 1918 & 1 : 169. 1957 (repr. ed.).

A small shrub in high elevations.

Distrib.: Nilgiri.

Cayratia roxburghii (Wight & Arn.) Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 347. 1911; Gamble, Fl. Pres. Madras 1 : 169. 1957 (repr. ed.). *Vitis roxburghii* Wight & Arn. Prodr. 127. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 655. 1875.

A glabrous climbing shrub.

Distrib.: Tirunelveli. E. R.

Cayratia tenuifolia (Wight & Arn.) Gagnep. in Lecomte, Notul. Syst. (Paris) 1 : 343. 1911; Gamble, Fl. Pres. Madras 1 : 170. 1957 (repr. ed.). *Vitis tenuifolia* Wight & Arn. Prodr. 129. 1834 p.p.; Lawson in Hook. f. Fl. Brit. India 1 : 660. 1875 p.p.

A slender climber, in high altitudes.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Cissus adnata Roxb. Fl. Ind. 1 : 423. 1820; Wight, Ic. t. 144. 1839; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis adnata* (Roxb.) Wall. Cat. n. 5998. 1831 1832; Lawson in Hook. f. Fl. Brit. India 1 : 649. 1875.

A slender climber in low elevations of hills.

Distrib.: Nilgiri. E.

Cissus discolor Blume, Cat. Gew. Buitenz. 39. 1823; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis discolor* (Blume) Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 39. 1850; Lawson in Hook. f. Fl. Brit. India 1 : 647. 1875.

A slender climber with red branches.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri.

Cissus gigantea (Bedd.) Planch. in DC. Monog. Phan. 5 : 622. 1887; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis gigantea* Bedd. in Trans. Linn. Soc. London 25 : 212. 1865; Lawson in Hook. f. Fl. Brit. India 1 : 648. 1875.

A large climber.

Distrib.: Coimbatore, Nilgiri, Salem, Tirunelveli.

Cissus glauca Roxb. Fl. Ind. 1 : 406. 1820; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis glauca* (Roxb.) Wight & Arn. in Wight, Cat. 26. 1833 & Prodr. 126. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 648. 1875.

A stout shrub at low elevations of hills.

Distrib.: Nilgiri, North Arcot, Ramana-thapuram, Salem, Tirunelveli.

Cissus glyptocarpa (Thw.) Planch. in DC. Monog. Phan. 5 : 477. 1887; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis glyptocarpa* Thw. Enum. Pl. Zeyl. 62. 1858; Lawson in Hook. f. Fl. Brit. India 1 : 645. 1875.

A climbing shrub in slopes of hills at low elevations.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Cissus heyneana (Wall. ex Lawson) Planch. in DC. Monog. Phan. 5 : 476. 1887; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis heyneana* Wall. ex Lawson in Hook. f. Fl. Brit. India 1 : 647. 1875.

A fleshy climber in low elevations.

Distrib.: Madurai, Nilgiri (Gamble 1957), South Arcot, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981). R.

Cissus pallida (Wight & Arn.) Planch. in DC. Monog. Phan. 5 : 477. 1887; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis pallida* Wight & Arn. Prodr. 125. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 647. 1875.

An erect shrub in dry forests.

Distrib.: Almost all districts. E.

Cissus quadrangularis L. Mant. Pl. 39. 1767; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis quadrangularis* (L.) Wall. ex Wight, Cat. 26. 1833 & in Wight & Arn. Prodr. 125. 1834; Wight, Ic. t. 51. 1838; Lawson in Hook. f. Fl. Brit. India 1 : 645. 1875.

Tamil: *Perandai*.

A rambling shrub, quite common in dry scrubs.

Distrib.: All districts.

Cissus repanda Vahl, Symb. Bot. 3 : 18. 1794; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis repanda* (Vahl) Wight & Arn. Prodr. 125. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 648. 1875.

A climbing shrub in hilly regions.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Cissus repens Lam. Encycl. 1 : 31. 1783; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis repens* (Lam.) Wight & Arn. in Wight, Cat. 58. 1833 & Prodr. 125. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 646. 1875.

A trailing shrub in low elevations of hilly areas.

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

Cissus vitiginea L. Sp. Pl. 117. 1753; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis linnaei* Wall. ex Wight & Arn. Prodr. 126. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 649. 1875.

A climbing shrub common in scrubs.

Distrib.: Almost all districts.

Cyphostemma setosum (Roxb.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 53. 1931. *Cissus setosa* Roxb. Fl. Ind. 1 : 410. 1820; Gamble, Fl. Pres. Madras 1 : 168. 1957 (repr. ed.). *Vitis setosa* (Roxb.) Wall. ex Wight & Arn. in Wight, Cat. 26. 1833 & Prodr. 127. 1834; Wight, Ic. t. 170. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 654. 1875.

A fleshy herb in dry localities.

Distrib.: All districts. E.

Parthenocissus neilgherriensis (Wight) Planch. in DC. Monog. Phan. 5 : 2. 1887; Gamble, Fl. Pres. Madras 1 : 166. 1957 (repr. ed.). *Vitis neilgherriensis* Wight, Ic. t. 965. 1845. *V. himalayana* Brandis, For. Fl. 100. 1874; Lawson in Hook. f. Fl. Brit. India 1 : 655. 1875 p.p. *V. anamallayana* Bedd. in Trans. Linn. Soc. London 25 : 213. 1865 1866; Lawson in Hook. f. Fl. Brit. India 1 : 656. 1875.

A climber in high ranges.

Distrib.: Coimbatore, Madurai, Nilgiri.

Puria trilobata (Lam.) N.C. Nair in Biol. Land Pl. 127. 1972 (1974). *Cissus trilobata* Lam. Encycl. 1 : 31. 1783; Gamble, Fl. Pres. Madras 1 : 167. 1957 (repr. ed.). *Vitis rheedii* Wight & Arn. in Wight, Cat. 27. 1833 & Prodr. 127. 1834; Lawson in Hook. f. Fl. Brit. India 1 : 653. 1875.

A climbing shrub, common in slopes of hills.

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

Tetrastigma canarense (Dalz.) Gamble, Fl. Pres. Madras 228. 1918 & 1 : 164. 1957 (repr. ed.). *Vitis canarensis* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 123. 1851; Lawson in Hook. f. Fl. Brit. India 1 : 655. 1875.

A climbing shrub in low elevations of hills.

Distrib.: Coimbatore.

Tetrastigma lanceolarium (Roxb.)

Planch. in DC. Monog. Phan. 2 : 423. 1887; Gamble, Fl. Pres. Madras 1 : 164. 1957 (repr. ed.). *Vitis lanceolaria* (Roxb.) Wall. Cat. n. 6013. 1831-1832; Wight, Ic. t. 177. 1839; Lawson in Hook. f. Fl. Brit. India 1 : 660. 1875 p.p. *Cissus lanceolaria* Roxb. Fl. Ind. 1 : 412. 1820.

A large climbing shrub in slopes of hills at low levels.

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

Tetrastigma leucostaphylum (Dennst.)

Alston in Taxon 26 : 539. 1977. *Cissus leucostaphyla* Dennst. Schluess. Hort. Ind. Malab. 17, 19, 33. 1818. *Tetrastigma muricatum* (Wall. ex Wight & Arn.) Gamble, Fl. Pres. Madras 229. 1918 & 1 : 164. 1957 (repr. ed.). *Vitis muricata* Wall. ex Wight & Arn. Prodr. 128. 1834; Wight, Ic. t. 740. 1844. *V. lanceolaria* sensu Lawson in Hook. f. Fl. Brit. India 1 : 660. 1875 p.p., non Wall. 1831-1832.

A large climber, in high altitudes.

Distrib.: Most of the districts.

Tetrastigma sulcatum (Lawson) Gamble,

Fl. Pres. Madras 229. 1918 & 1 : 164. 1957 (repr. ed.). *Vitis sulcata* Lawson in Hook. f. Fl. Brit. India 1 : 661. 1875.

A large climber in low elevations of hills.

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

Vitis lanata Roxb. Fl. Ind. 1 : 660.

1832; Lawson in Hook. f. Fl. Brit. India 1 : 651. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 163. 1957 (repr. ed.).

A climbing shrub with porous wood.

Distrib.: Dharmapuri and Salem (Matthew 1981).

Vitis vinifera L. Sp. Pl. 202. 1753;

Lawson in Hook. f. Fl. Brit. India 1 : 652. 1875; Gamble, Fl. Pres. Madras 1 : 163. 1957 (repr. ed.).

A climbing shrub, cultivated for its edible fruits. **B. E.**

LEEACEAE

K. RAMAMURTHY

Leea aequata L. Syst. Nat. ed. 12. 2 : 627. 1767; Ridsdale in Blumea 22 : 90. 1974.

Distrib.: "Madras" (Ridsdale 1974).

Leea asiatica (L.) Ridsdale in Manilal, Bot. Hist. Hort. Malab. 189. 1980. *Phytolacca asiatica* L. Sp. Pl. 474. 1753. *Leea crispa* L. Syst. Nat. ed. 12. 2 : 627. 1767; Lawson in Hook. f. Fl. Brit. India 1 : 665. 1875; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.). *L. aspera* Edgew. in Trans. Linn. Soc. London 20 : 36. 1846, non Wall. ex G. Don 1831; Lawson in Hook. f. Fl. Brit. India 1 : 665. 1875; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.). *L. edgeworthii* Sant. in Rec. Bot. Surv. India 16(1) : 54. 1953.

An undershrub, on slopes of hills.

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

Leea guineensis G. Don, Gen. Syst. 1 : 712. 1831; Ridsdale in Blumea 22 : 92. 1974. *L. wightii* Clarke in J. Bot. 19 : 105. 1881; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.). *L. staphylea* Wight, Ill. 1 : t. 58. 1840, non Roxb. 1832.

An undershrub in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Leea indica (Burm.f.) Merr. in Philipp. J. Sci. 14 : 245. 1919; Ridsdale in Blumea 22 : 95. 1974. *Staphylea indica* Burm. f. Fl. Ind. 75. t. 23. f. 2. 1768. *Leea sambucina* (L.) Willd. Sp. Pl. 1 : 1177. 1798; Lawson in Hook. f. Fl. Brit. India 1 : 666. 1875; Gamble, Fl. Pres. Madras 1 : 172. 1957 (repr. ed.). *Aquilicia sambucina* L. Mant. Pl. 2 : 211. 1771.

Tamil: *Ottanali*.

A large shrub in low elevations.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli. **E.**

Leea macrophylla Roxb. ex Hornem. Hort. Hafn. 1 : 231. 1813; Wight, Ic. t. 1154. 1846; Lawson in Hook. f. Fl. Brit. India 1 : 664. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.); Ridsdale in Blumea 22 : 85. 1974. *L. robusta* Roxb. Fl. Ind. 1 : 655. 1820; Lawson in Hook. f. Fl. Brit. India 1 : 667. 1875 p.p.; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.). *L. diffusa* Lawson in Hook. f. Fl. Brit. India 1 : 667. 1875. *L. latifolia* Wall. ex Kurz in J. Asiat. Soc. Bengal 44 : 178. 1875; Gamble, Fl. Pres. Madras 1 : 171. 1957 (repr. ed.). *L. cinerea* Lawson in Hook. f. Fl. Brit. India 1 : 665. 1875. *L. coriacea* Lawson in Hook. f. Fl. Brit. India 1 : 665. 1875. *L. venkobarrowii* Gamble in Kew Bull. 1917 : 26. 1917 & Fl. Pres. Madras 1 : 172. 1957 (repr. ed.).

A shrub in high altitudes.

Distrib.: Coimbatore, Nilgiri.

SAPINDACEAE

V. CHITHRA

Allophylus cobbe (L.) Raeusch. Nomencl. Bot. ed. 3. 108. 1797; Hiern in Hook. f. Fl. Brit. India 1 : 673. 1875 p.p. *Rhus cobbe* L. Sp. Pl. 267. 1753. *Schmidelia rheedii* Wight, Ic. t. 964. 1845. *Allophylus rheedii* (Wight) Radlk. in Engler & Prantl, Pflanzenf. 3(5) : 313. 1895; Gamble, Fl. Pres. Madras 1 : 176. 1957 (repr. ed.).

A large shrub or small tree with yellowish-brown bark.

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

Allophylus concanicus Radlk. in Sitzungsber. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. Muenchen 20 : 230. 1890, var. *concanicus*; Gamble, Fl. Pres. Madras 1 : 176. 1957 (repr. ed.).

A shrub, erect or climbing.

Distrib.: Nilgiri.

Allophylus concanicus Radlk. var. *lanceolatus* Gamble, Fl. Pres. Madras 246. 1918 & 1 : 176. 1957 (repr. ed.).

A shrub erect or climbing.

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

Allophylus distachys (DC.) Radlk. in Engler & Prantl, Pflanzenf. 3(5) : 313. 1895; Gamble, Fl. Pres. Madras 1 : 176. 1957 (repr. ed.). *Schmidelia distachya* DC. Prodr. 1 : 610. 1824. *Allophylus cobbe* forma *distachys* (DC.) Hiern in Hook. f. Fl. Brit. India 1 : 673. 1875.

A shrub or small tree.

Distrib.: Dharmapuri.

Allophylus serratus (Roxb.) Kurz in J. Asiat. Soc. Bengal 44 : 185. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 99. 1932; Gamble, Fl. Pres. Madras 1 : 175. 1957 (repr. ed.). *Ornitrophe serrata* Roxb. Pl. Cor. t. 61. 1796. *A. cobbe* forma *serratus* (Roxb.) Hiern in Hook. f. Fl. Brit. India 1 : 673. 1875.

Tamil: *Amalai*.

A shrub or small tree.

Distrib.: Almost all districts.

Allophylus serrulatus Radlk. in Rec. Bot. Surv. India 3 : 341. 1907; Gamble, Fl. Pres. Madras 1 : 175. 1957 (repr. ed.).

A small tree.

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

Blighia sapida Koen. in Ann. Bot. (Koen. & Sims) 2 : 571. tt. 16 & 17. 1806; Gamble, Fl. Pres. Madras 1 : 181. 1957 (repr. ed.).

A stiff branched tree, cultivated in gardens. E.

Cardiospermum canescens Wall. Pl. Asiat. Rar. 1 : 14. t. 14. 1829; Wight, Ic. t. 74. 1838; Hiern in Hook. f. Fl. Brit. India 1 : 670. 1875; Gamble, Fl. Pres. Madras 1 : 175. 1957 (repr. ed.).

A tendril climber, capsules inflated.

Distrib.: Almost all districts.

Cardiospermum halicacabum L. Sp. Pl. 366. 1753; Wight, Ic. t. 508. 1841; Hiern in Hook. f. Fl. Brit. India 1 : 670. 1875;

Gamble, Fl. Pres. Madras 1 : 175. 1957 (repr. ed.).

Tamil: *Mudukottan, Kottavan.*

A twining herb; capsules pyriform, inflated, winged at the angles.

Distrib.: Almost all districts.

Dimocarpus longan Lour. Fl. Cochinch. 233. 1790. *Euphoria longana* Lam. Encycl. 3 : 574. 1792, nom. illeg.; Bedd. Fl. Sylv. t. 156. 1871. *Nephelium longana* (Lam.) Camb. in Mem. Mus. Natl. Hist. Nat. 18 : 30. 1829; Hiern in Hook. f. Fl. Brit. India 1 : 688. 1875; Gamble, Fl. Pres. Madras 1 : 180. 1957 (repr. ed.).

Tamil: *Puvatti, Kattapuvan.*

A large handsome evergreen tree with yellowish grey bark; fruits globose, reddish, tubercled.

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

Dodonaea viscosa (L.) Jacq. Enum. Pl. Carib. 19. 1760; Hiern in Hook. f. Fl. Brit. India 1 : 697. 1875; Fyson, Fl. South Indian Hill St. 2 : t. 100. 1932; Gamble, Fl. Pres. Madras 1 : 181. 1957 (repr. ed.). *Ptelea viscosa* L. Sp. Pl. 118. 1753.

Tamil: *Virali, Velari.*

A gregarious shrub or small tree, capsule 2-4 valved, each valve broadly winged on the back; in shola forests.

Distrib.: Almost all districts. E.

Filicium decipiens (Wight & Arn.) Thw. Enum. Pl. Zeyl. 408. 1864; Bennett in Hook. f. Fl. Brit. India 1 : 539. 1875; Gamble, Fl. Pres. Madras 1 : 178. 1957 (repr. ed.). *Rhus decipiens* Wight & Arn. Prodr. 172. 1834; Wight, Ill. 1 : t. 75. 1840.

Tamil: *Ningal.*

A handsome tree with beautiful fern-like leaves; in somewhat dry localities.

Distrib.: Chengalpattu, Coimbatore (FRC), Nilgiri, Tiruchchirappalli (RHT), Tirunelveli; Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Harpullia arborea (Blanco) Radlk. in Sitzungsber. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. Muenchen 16 : 404. 1890. *Ptelea arborea* Blanco, Fl. Filip. ed. 1. 63. 1837. *Harpullia imbricata* (Blume) Thw. Enum. Pl. Zeyl. 56. 1858; Gamble, Fl. Pres. Madras 1 : 180. 1957 (repr. ed.). *Otonychium imbricatum* Blume in Rumphia 3 : 180. 1849. *Harpullia cupanoides* sensu Hiern in Hook. f. Fl. Brit. India 1 : 692. 1875 p.p., non Roxb. 1832; Bedd. Fl. Sylv. t. 158. 1871.

Tamil: *Neikottei.*

A large tree in evergreen forests; capsules inflated, 2-lobed, orange-scarlet.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. E.

Lepisanthes erecta (Thw.) Leenh. in Blumea 17 : 69. 1969. *Nephelium erectum* Thw. Enum. Pl. Zeyl. 57. 1858. *Sapindus erecta* (Thw.) Hiern in Hook. f. Fl. Brit. India 1 : 683. 1875, "erectus". *Thraulococcus erectus* (Thw.) Radlk. in Sitzungsber. Math. Phys. Cl. Koenigl. Bayer. Akad. Wiss. Muenchen 8 : 300. 1878; Gamble, Fl. Pres. Madras 1 : 179. 1957 (repr. ed.).

A large erect shrub.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Lepisanthes senegalensis (Juss. ex Poir.) Leenh. in Blumea 17 : 85. 1969. *Sapindus senegalensis* Juss. ex Poir. in Lam. Encycl. 6 : 666. 1805. *Aphanta bifoliolata* (Thw.) Radlk. in Sitzungsber. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. Muenchen 8 : 238. 1878; Gamble, Fl. Pres. Madras 1 : 179. 1957 (repr. ed.). *Sapindus bifoliolatus* (Thw.) Hiern in Hook. f. Fl. Brit. India 1 : 684. 1875. *Nephelium bifoliolatum* Thw. Enum. Pl. Zeyl. 57. 1858; Bedd. Ic. t. 289. 1868 1874.

Tamil: *Koduvamurikki.*

A branching tree with mosses of white blossom.

Distrib.: Coimbatore, Tiruchchirappalli, Tirunelveli.

Lepisanthes tetraphylla (Vahl) Radlk. in Sitzungsber. Math.-Phys. Cl. Koenigl.

Bayer. Akad. Wiss. Muenchen 8 : 276. 1878; Gamble, Fl. Pres. Madras 1 : 176. 1957 (repr. ed.). *Sapindus tetraphylla* Vahl, Symb. Bot. 3 : 54. 1794. *Hemigyrosa canescens* (Roxb.) Blume in Rumphia 3 : 166. 1849; Bedd. Fl. Sylv. t. 151. 1871; Hiern in Hook. f. Fl. Brit. India 1 : 671. 1875. *Molinaea canescens* Roxb. Pl. Cor. t. 60. 1796. *Lepisanthes deficiens* (Wight & Arn.) Radlk. in Sitzungsber. Math.-Phys. Cl. Koenigl. Bayer. Akad. Wiss. Muenchen 8 : 276. 1878; Gamble, Fl. Pres. Madras 1 : 176. 1957 (repr. ed.). *Hemigyrosa deficiens* (Wight & Arn.) Bedd. Fl. Sylv. t. 231. 1872; Hiern in Hook. f. Fl. Brit. India 1 : 671. 1875. *Sapindus? deficiens* Wight & Arn. Prodr. 111. 1834.

Tamil: *Nekota*.

A small or medium-sized tree in evergreen dry forests.

Distrib.: Almost all districts. E.

Litchi chinensis Sonner. Voy. Ind. Or. Chine 2 : 230. t. 129. 1782. *Nephelium litchi* Camb. in Mem. Mus. Nat. Hist. Nat. 18 : 30. 1829; Wight, Ic. t. 43. 1838; Hiern in Hook. f. Fl. Brit. India 1 : 687. 1875; Gamble, Fl. Pres. Madras 1 : 180. 1957 (repr. ed.). *Dimocarpus litchi* sensu Ait. Hort. Kew. ed. 2. 2 : 354. 1811, non Lour. 1790.

An evergreen shrub or small tree, cultivated for its edible fruits. E.

Otonophellium stipulaceum (Bedd.) Radlk. Sapindac. Holl. Ind. 71. 1879. *Nephelium stipulaceum* Bedd. in Trans. Linn. Soc. London 25 : 212. 1865 & Ic. t. 103. 1868-1874; Hiern in Hook. f. Fl. Brit. India 1 : 690. 1875; Gamble, Fl. Pres. Madras 1 : 180. 1957 (repr. ed.).

A medium-sized tree in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Sapindus emarginatus Vahl, Symb. Bot. 3 : 54. 1794; Bedd. Fl. Sylv. t. 154. 1871; Gamble, Fl. Pres. Madras 1 : 178. 1957 (repr. ed.). *S. trifoliata* sensu Hiern in Hook. f. Fl. Brit. India 1 : 682. 1875 p.p., non L. 1753.

Tamil: *Pounanga*.

A large tree in deciduous and dry evergreen forests; leaflets rounded or emarginate at apex.

Distrib.: Almost all districts. E.

Sapindus laurifolia Vahl, Symb. Bot. 3 : 54. 1794; Gamble, Fl. Pres. Madras 1 : 178. 1957 (repr. ed.), "*laurifolius*". *S. trifoliata* sensu Hiern in Hook. f. Fl. Brit. India 1 : 682. 1875 p.p., "*trifolius*", non L. 1753.

Tamil: *Manippungu*, *Puchikottai*.

A small tree in evergreen and open forests at low elevations.

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

Schleichera oleosa (Lour.) Oken. Allg. Naturgesch. 3 (2) : 1341. 1841. *Pistacia oleosa* Lour. Fl. Cochinch. 2 : 615. 1790. *Schleichera trifuga* Willd. Sp. Pl. 4 : 1096. 1805; Bedd. Fl. Sylv. t. 119. 1871; Hiern in Hook. f. Fl. Brit. India 1 : 681. 1875; Gamble, Fl. Pres. Madras 1 : 177. 1957 (repr. ed.).

Tamil: *Puvam*, *Puvatti*, *Kolama*.

A large tree in deciduous forests; young leaflets bright red.

Distrib.: Almost all districts. E.

ACERACEAE

S.R. SRINIVASAN

Acer caesium Wall. ex Brandis, For. Fl. 111, t. 21. 1874; Hook. f. Fl. Brit. India 1 : 695. 1875; Gamble, Man. Ind. Timb. ed. 2. 201. 1902; Matthew in Rec. Bot. Surv. India 20(1) : 66. 1969.

A deciduous tree 25m tall, planted in hill stations. E.

Acer oblongum Wall. ex DC. Prodr. 1 : 593. 1824; Royle, Ill. t. 134. 1834; Hiern in Hook. f. Fl. Brit. India 1 : 693. 1875; Gamble, Fl. Pres. Madras 1 : 173. 1957 (repr. ed.).

A tree 10-17 m tall, planted in the Nilgiris. E.

Acer pseudo-platanus L. Sp. Pl. 1054. 1753; Hegi, Ill. Fl. Mittel-Eur. 5(1) : 275. f. 1848. 1924; Matthew in Rec. Bot. Surv. India 20(1) : 66. 1969.

A deciduous tree up to 30 m high, planted in the hills. E.

MELIANTHACEAE

V. CHITHRA

Melianthus major L. Sp. Pl. 939. 1753; Hiern in Hook. f. Fl. Brit. India 1 : 698. 1875.

A spreading aromatic undershrub with hollow stem, introduced and almost naturalized in hill stations. E.

STAPHYLEACEAE

V. CHITHRA

Turpinia malabarica Gamble in Kew Bull. 1916 : 135. 1916 & Fl. Pres. Madras 1 : 173. 1957 (repr. ed.).

Tamil: *Kanali*.

A large tree; young leaves bright yellow.

Distrib.: Coimbatore, Madurai, Nilgiri.

Turpinia nepalensis Wall. ex Wight & Arn. Prodr. 156. 1834; Wight, Ic. t. 972. 1845; Gamble, Fl. Pres. Madras 1 : 172. 1957 (repr. ed.). *T. pomifera* sensu Hiern in Hook. f. Fl. Brit. India 1 : 698. 1895 p.p., non (Roxb.) DC. 1825.

A medium-sized tree in shola forests.

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

SABIACEAE

V. CHITHRA

Meliosma pinnata (Roxb.) Maxim. subsp. *barbulata* (Cufod.) Beus. in Dassanayake, Rev. Handb. Fl. Ceylon 3 : 384. 1981. *M. rhoifolia* Maxim. subsp. *barbulata* Cufod. in Oesterr. Bot. Z. 88 : 254. 1939. *M. arnottiana* (Wight)

Walp. Rep. 1 : 423. 1842; Hook. f. Fl. Brit. India 2 : 6. 1876; Gamble, Fl. Pres. Madras 1 : 183. 1957 (repr. ed.). *Millingtonia arnottiana* Wight, Ill. 1 : t. 53. 1840.

Tamil: *Kusavi*, *Thagari*.

A large tree in shola forests.

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

Meliosma simplicifolia (Roxb.) Walp. Rep. 1 : 423. 1842, subsp. *simplicifolia*; Hook. f. Fl. Brit. India 2 : 5. 1876; Gamble, Fl. Pres. Madras 1 : 182. 1957 (repr. ed.). *Millingtonia simplicifolia* Roxb. Pl. Cor. t. 254. 1820.

Tamil: *Cembavu*, *Kallavi*.

A small tree in evergreen forests.

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

Meliosma simplicifolia (Roxb.) Walp. subsp. *pungens* (Wall. ex Wight & Arn.) Beus. in Blumea 19 : 466. 1971. *Millingtonia pungens* Wall. ex Wight & Arn. in Edinburgh New Philos. J. 15 : 178. 1833; Wight, Ic. t. 964/3. 1845. *Meliosma wightii* Planch. ex Brandis, For. Fl. 116. 1874; Hook. f. Fl. Brit. India 2 : 4. 1876; Gamble, Fl. Pres. Madras 1 : 182. 1957 (repr. ed.).

A small or medium-sized tree in shola forests.

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

Sabia limoniacea Wall. ex Hook. f. & Thoms. Fl. Ind. 210. 1855; Hook. f. Fl. Brit. India 2 : 3. 1876. *S. malabarica* Bedd. Ic. t. 177. 1868-1874; Hook. f. Fl. Brit. India 2 : 2. 1876; Gamble, Fl. Pres. Madras 1 : 182. 1957 (repr. ed.).

A glabrous climbing shrub; fruits flat, reniform, reticulate.

Distrib.: Coimbatore. E.

ANACARDIACEAE

V. CHITHRA

Anacardium occidentale L. Sp. Pl. 383. 1753; Bedd. Fl. Sylv. t. 163. 1871; Hook. f. Fl. Brit. India 2 : 20. 1876; Gamble, Fl. Pres. Madras 1 : 185. 1957 (repr. ed.).

Tamil: *Mundiri*.

A small tree, cultivated and runs wild especially along sea coast. **E.**

Buchanania axillaris (Desr.) Ramam. in Saldanha & Nicolson, Fl. Hassan Dist. 374. 1976. *Mangifera axillaris* Desr. in Lam. Encycl. 3 : 697. 1792. *Buchanania angustifolia* Roxb. Pl. Cor. t. 262. 1820; Wight, Ic. t. 101. 1839; Hook. f. Fl. Brit. India 2 : 23. 1876; Gamble, Fl. Pres. Madras 1 : 184. 1957 (repr. ed.).

Tamil: *Mundamah, Kolamavu*.

A medium sized tree in dry forests; drupes obliquely-ovoid, compressed.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Salem (FRC), South Arcot; Dharmapuri and Tiruchchirappalli (Matthew 1981). **E.**

Buchanania lanzan Spreng. in J. Bot. (Schrader) 2 : 234. 1800; Gamble, Fl. Pres. Madras 1 : 184. 1957 (repr. ed.). *B. latifolia* Roxb. Fl. Ind. 2 : 385. 1832; Bedd. Fl. Sylv. t. 165. 1871; Hook. f. Fl. Brit. India 2 : 23. 1876.

Tamil: *Morala, Mudaima, Moraimaram*.

A tree in deciduous forests; bark tessellated in prominent squares; drupes ovoid-oblong, black when ripe.

Distrib.: In most of the districts. **E.**

Gluta travancorica Bedd. Fl. Sylv. t. 60. 1870; Hook. f. Fl. Brit. India 2 : 22. 1876; Gamble, Fl. Pres. Madras 1 : 186. 1957 (repr. ed.).

Tamil: *Shencurani*.

A large tree with smooth, pinkish grey bark, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. **E.**

Holigarna arnottiana Hook. f. Fl. Brit. India 2 : 36. 1876; Gamble, Fl. Pres. Madras 1 : 191. 1957 (repr. ed.). *H. longifolia* auct. non Roxb. 1820; Wight & Arn. Prodr. 169. 1834; Bedd. Fl. Sylv. t. 167. 1871.

Tamil: *Karuncharei*.

A large tree in low level forests; drupes obliquely-ovoid, long-pedicelled, almost entirely included in the torus.

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

Holigarna beddomei Hook. f. Fl. Brit. India 2 : 38. 1876; Gamble, Fl. Pres. Madras 1 : 192. 1957 (repr. ed.).

Tamil: *Palvidinyan*.

A large tree in moist forests.

Distrib.: Coimbatore, Nilgiri.

Holigarna ferruginea Marchand, Rev. Anacard. 171. 1868; Hook. f. Fl. Brit. India 2 : 37. 1876; Gamble, Fl. Pres. Madras 1 : 191. 1957 (repr. ed.).

Tamil: *Charei*.

A large tree in evergreen forests; fruits obliquely-ovoid, compressed, black, filled with much acid black juice.

Distrib.: Coimbatore.

Holigarna grahamii (Wight) Kurz in J. Asiat. Soc. Bengal 42 : 305. 1872, quoad basionym; Hook. f. Fl. Brit. India 2 : 37. 1876; Gamble, Fl. Pres. Madras 1 : 191. 1957 (repr. ed.). *Semecarpus grahamii* Wight, Ic. t. 235. 1839. *Holigarna wightii* Balakr. in J. Bombay Nat. Hist. Soc. 63 : 327. 1966.

A large tree; young branches ferruginous-tomentose, drupes oblong-ovoid, flattened.

Distrib.: Kanniyakumari. **E. R.**

Holigarna nigra Bourd. in Indian Forester 30 : 95. 1904; Gamble, Fl. Pres. Madras 1 : 191. 1957 (repr. ed.).

A large tree in evergreen forests.

Distrib.: Tirunelveli. **E.**

Lanea coromandelica (Houtt.) Merr. in J. Arnold Arbor. 19 : 353. 1938. *Dialium coromandelicum* Houtt. Nat. Hist. ser. 2. 2 : 39. t. 5. f. 2. 1774. *Odina wodier* Roxb. Fl. Ind. 2 : 293. 1832; Wight, Ic. t. 60. 1838; Hook. f. Fl. Brit. India 2 : 29. 1876; Gamble, Fl. Pres. Madras 1 : 187. 1957 (repr. ed.).

Tamil: *Wodier*, *Anaikkarai*, *Kalasan*.

A large tree mostly in deciduous forests.

Distrib.: Almost all districts. E.

Mangifera indica L. Sp. Pl. 200. 1753; Bedd. Fl. Sylv. t. 162. 1871; Hook. f. Fl. Brit. India 2 : 13. 1876; Gamble, Fl. Pres. Madras 1 : 185. 1957 (repr. ed.).

Tamil: *Maa*.

A large, spreading evergreen tree; cultivated. E.

Nothopegia aureo-fulva Bedd. ex Hook. f. Fl. Brit. India 2 : 40. 1876; Gamble, Fl. Pres. Madras 1 : 189. 1957 (repr. ed.).

A small tree or large shrub.

Distrib.: Tirunelveli. +.

Nothopegia beddomei Gamble, Fl. Pres. Madras 265. 1918 & 1 : 189. 1957 (repr. ed.), & in Kew Bull. 1918 : 227. 1918. *N. colebrookeana* sensu Bedd. Fl. Sylv. t. 164. 1871, non (Wight) Blume 1851; Hook. f. Fl. Brit. India 2 : 40. 1876 p.p.

A small tree.

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

Nothopegia colebrookeana (Wight) Blume in Mus. Bot. Lugduno - Batavum 1 : 203. 1850; Hook. f. Fl. Brit. India 2 : 40. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 189. 1957 (repr. ed.). *Pegia? colebrookiana* Wight, Ic. t. 236. 1839.

A tree.

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

Nothopegia heyneana (Hook. f.) Gamble, Fl. Pres. Madras 265. 1918 & 1 : 189.

1957 (repr. ed.). *N. colebrookeana* (Wight) Blume var. *heyneana* Hook. f. Fl. Brit. India 2 : 40. 1876.

A small tree.

Distrib.: Coimbatore, Tirunelveli; Dharmapuri, Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Nothopegia racemosa (Dalz.) Ramam. in Saldanha & Nicolson Fl. Hassan Dist. 377. 1976, var. **racemosa**. *Glycyarpus racemosus* Dalz. in J. Asiat. Soc. Bombay 3 : 69. 1849; Hooker's Icon. Pl. t. 842. 1852. *Nothopegia dalzellii* Gamble, Fl. Pres. Madras 265. 1918 & 1 : 189. 1957 (repr. ed.). *N. colebrookeana* sensu Hook. f. Fl. Brit. India 2 : 40. 1876 p.p., non (Wight) Blume 1850.

A small tree.

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

Nothopegia racemosa (Dalz.) Ramam. var. **angustifolia** (Gamble) Chithra comb. nov. *N. dalzellii* Gamble var. **angustifolia** Gamble, Fl. Pres. Madras 265. 1918 & 1 : 189. 1957 (repr. ed.).

A small tree.

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

Nothopegia travancorica Bedd. ex Hook. f. Fl. Brit. India 2 : 40. 1876; Gamble, Fl. Pres. Madras 1 : 189. 1957 (repr. ed.).

A small tree.

Distrib.: Nilgiri, Tirunelveli.

Rhus mysorensis G. Don, Gen. Syst. 2 : 74. 1832; Heyne ex Wight & Arn. Prodr. 172. 1834; Hook. f. Fl. Brit. India 2 : 9. 1876; Gamble, Fl. Pres. Madras 1 : 188. 1957 (repr. ed.).

Tamil: *Mulluvedathi*.

A small much branched thorny shrub in dry localities.

Distrib.: Almost all districts.

Rhus paniculata Wall. ex Hook. f. Fl. Brit. India 2 : 10. 1876; Gamble, Fl. Pres. Madras 1 : 188. 1957 (repr. ed.).

A small ornamental tree.

Distrib.: Pudukkottai (RHT).

Rhus tomentosa L. Sp. Pl. 266. 1753; Chandra & Ghosh in Indian J. For. 2 : 264. 1979.

A shrub or small tree.

Distrib.: Nilgiri (Chandra & Ghosh 1979).

Schinus molle L. Sp. Pl. 388. 1753.

An evergreen, dioecious tree, cultivated; drupes red when ripe. E.

Schinus terebinthifolius Raddi in Mem. Mod. 18. Fis. 399. 1820.

An evergreen shrub or small tree, cultivated in gardens. E.

Semecarpus anacardium L. f. Suppl. Pl. 182. 1781, var. *anacardium*; Wight, Ic. t. 558. 1842; Hook. f. Fl. Brit. India 2 : 30. 1876; Gamble, Fl. Pres. Madras 1 : 190. 1957 (repr. ed.).

Tamil: *Shenkottai, Shern, Thembarai*.

A medium-sized tree in deciduous forests; drupes black, obliquely oblong, seated on a triangular orange-coloured fleshy receptacle.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Nilgiri, North Arcot, Salem (FRC); Dharmapuri and South Arcot (Matthew 1981). E.

Semecarpus anacardium L. f. var. *cuneifolia* DC. Prodr. 2 : 62. 1825; Hook. f. Fl. Brit. India 2 : 31. 1876.

Tamil: *Cheru*.

A medium-sized tree; leaves cuneate at the base, often tomentose beneath.

Distrib.: Coimbatore and Madurai (Fischer 1957).

Semecarpus auriculata Bedd. Ic. t. 187. 1868-1874; Hook. f. Fl. Brit. India 2 : 32. 1876; Gamble, Fl. Pres. Madras 1 : 190. 1957 (repr. ed.).

Tamil: *Velleicharei*.

A large handsome tree with smooth grey bark, in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957). E.

Semecarpus travancorica Bedd. Fl. Sylv. t. 232. 1872; Hook. f. Fl. Brit. India 2 : 31. 1876; Gamble, Fl. Pres. Madras 1 : 190. 1957 (repr. ed.).

Tamil: *Kattushenkottai*.

A large tree in evergreen forests.

Distrib.: Coimbatore, Tirunelveli. E.

Spondias indica (Wight & Arn.) Airy Shaw & Forman in Kew Bull. 21 : 16. 1967-1968. *Solenocarpus indicus* Wight & Arn. Prodr. 172. 1834, "*indica*"; Bedd. Fl. Sylv. t. 233. 1874; Hook. f. Fl. Brit. India 2 : 27. 1876; Gamble, Fl. Pres. Madras 1 : 187. 1957 (repr. ed.).

A tree; fruits ovoid, pointed, pedicels thickened and articulate at the base.

Distrib.: Coimbatore, Tirunelveli (Gamble 1957).

Spondias pinnata (L.f.) Kurz. Prelim. Rep. For. & Veg. Pegu Append. A. 44. & B. 42. 1875. *Mangifera pinnata* L.f. Suppl. Pl. 156. 1781. *Spondias mangifera* Willd. Sp. Pl. 2 : 751. 1799; Wight, Ill. 1 : t. 76. 1840; Hook. f. Fl. Brit. India 2 : 42. 1876; Gamble, Fl. Pres. Madras 1 : 186. 1957 (repr. ed.). *S. acuminata* Roxb. Fl. Ind. 2 : 453. 1832; Hook. f. Fl. Brit. India 2 : 42. 1876; Gamble, Fl. Pres. Madras 1 : 187. 1957 (repr. ed.).

Tamil: *Kattuma, Mambutichi*.

A large tree in deciduous forests; bark smooth, grey; fruits fleshy, yellow when ripe.

Distrib.: Almost all districts. E.

CORYNOCARPACEAE

V. CHITHRA

Corynocarpus laevigata Forst. Char. Gen. 32. 1776; Sharma et al. in Biol. Mem. 2 (1 & 2) : 35. 1977.

Cultivated in gardens.

MORINGACEAE
S.R. SRINIVASAN

Moringa concanensis Nimmo ex Gibs. in Dalz. & Gibs. Bombay Fl. 311. 1861; Hook. f. Fl. Brit. India 2 : 45. 1876; Hooker's Icon. Pl. t. 2596. 1899; Gamble, Fl. Pres. Madras 1 : 192. 1957 (repr. ed.).

Tamil: *Kattumaringa*.

A tree with thick corky bark.

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

Moringa pterygosperma Gaertn. Fruct. 2 : 314. 1791; Hook. f. Fl. Brit. India 2 : 45. 1876. *M. oleifera* auct. non Lam. 1785; Bedd. Fl. Sylv. t. 80. 1871; Gamble, Fl. Pres. Madras 1 : 192. 1957 (repr. ed.).

Tamil: *Moringa, Murungai*.

A rapidly growing often crooked tree 3-10 m tall, widely cultivated all over the plains. E.

CONNARACEAE
S.R. SRINIVASAN

Connarus monocarpus L. Sp. Pl. 675. 1753; Hook. f. Fl. Brit. India 2 : 50. 1876; Gamble, Fl. Pres. Madras 1 : 194. 1957 (repr. ed.).

Tamil: *Chettupulukodi*.

A low straggling shrub in open forests and in waste places.

Distrib.: Coimbatore (CAL).

Connarus sclerocarpus (Wight & Arn.) Schellenb. in Candollea 2 : 98. 1925; Gamble, Fl. Pres. Madras 1 : 194. 1957 (repr. ed.). *Rourea? sclerocarpa* Wight & Arn. Prodr. 262. 1834.

A large climbing shrub in the hills.

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

Connarus wightii Hook. f. Fl. Brit. India 2 : 51. 1876; Gamble, Fl. Pres. Madras 1 : 194. 1957 (repr. ed.). *C. ritchei*

Hook. f. Fl. Brit. India 2 : 51. 1876; Gamble, Fl. Pres. Madras 1 : 194. 1957 (repr. ed.).

A large woody, climbing shrub or small tree in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

Ellipanthus tomentosus Kurtz in J. Asiat. Soc. Bengal 41 : 305. 1872; Hook. f. Fl. Brit. India 2 : 56. 1876; Brandis, Indian Trees 213. f. 94. 1906. *E. neglectus* Gamble in Kew Bull. 1917 : 26. 1917 & Fl. Pres. Madras 1 : 195. 1957 (repr. ed.).

A shrub or small tree in the hills.

Distrib.: Tirunelveli. R+.

Rourea minor (Gaertn.) Alston in Trimen, Handb. Fl. Ceylon 6(Suppl.) : 67. 1931, "*minus*". *Aegiceras minus* Gaertn. Fruct. 1 : 216. t. 46. 1788. *Rourea santaloides* (Vahl) Wight & Arn. Prodr. 144. 1834; Hook. f. Fl. Brit. India 2 : 47. 1876; Gamble, Fl. Pres. Madras 1 : 193. 1957 (repr. ed.). *Connarus santaloides* Vahl, Symb. Bot. 4 : 87. 1794.

A climbing shrub.

Distrib.: Kanniyakumari, Nilgiri, Tirunelveli. E.

PAPILIONACEAE
E. VAJRAVELU

Abrus fruticosus Wall. ex Wight & Arn. Prodr. 236. 1834; Wight, Ic. t. 33. 1838; Baker in Hook. f. Fl. Brit. India 2 : 176. 1876; Gamble, Fl. Pres. Madras 1 : 247. 1957 (repr. ed.).

A wiry climber with narrow small leaflets.

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

Abrus precatorius L. Syst. Nat. ed. 12. 2 : 472. 1767; Baker in Hook. f. Fl. Brit. India 2 : 175. 1876; Gamble, Fl. Pres. Madras 1 : 247. 1957 (repr. ed.).

Tamil: *Kundumani*.

A twining shrub, very common in fences.

Distrib.: In almost all districts. E.

Abrus pulchellus Wall. ex Thw. Enum. Pl. Zeyl. 91. 1859; Baker in Hook. f. Fl. Brit. India 2 : 175. 1876; Gamble, Fl. Pres. Madras 1 : 247. 1957 (repr. ed.); Verdc. in Kew Bull. 24 : 246. 1970.

A wiry climber with thin flat pods and compressed black seeds.

Distrib.: Coimbatore, Tirunelveli.

Aeschynomene americana L. Sp. Pl. 713. 1753.

A decumbent or erect herb, cultivated.

Aeschynomene aspera L. Sp. Pl. 713. 1753; Wight, Ic. t. 299. 1840; Baker in Hook. f. Fl. Brit. India 2 : 152. 1876; Gamble, Fl. Pres. Madras 1 : 234. 1957 (repr. ed.).

Tamil: *Attuneddi*.

A stout shrub with warty bark in swampy areas; stem used as fishing floats, for making hats etc.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), Madurai, Pudukkottai (RHT), South Arcot, Thanjavur, Tiruchchirappalli. E.

Aeschynomene indica L. Sp. Pl. 713. 1753; Wight, Ic. t. 405. 1840; Baker in Hook. f. Fl. Brit. India 2 : 151. 1876; Gamble, Fl. Pres. Madras 1 : 234. 1957 (repr. ed.).

Tamil: *Thakkapundu*, *Nettithakkai*.

An erect slender herb with pithy stems in swamps.

Distrib.: In almost all districts.

Alysicarpus beddomei Schind. in Feddes Rept. 23 : 353. 1927; Sebastine in Bull. Bot. Surv. India 4 : 220. 1962.

A herb, not common.

Distrib.: Nilgiri. R.

Alysicarpus bupleurifolius (L.) DC. Prodr. 2 : 352. 1825, var. *bupleurifolius*; Baker in Hook. f. Fl. Brit. India 2 : 158. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.). *Hedysarum bupleurifolium* L. Sp. Pl. 745. 1753.

A slender perennial herb among grasses.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli.

Alysicarpus bupleurifolius (L.) DC. var. *gracilis* (Edgew.) Baker in Hook. f. Fl. Brit. India 2 : 158. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.) p.p. *Alysicarpus gracilis* Edgew. in J. Linn. Soc. Bot. 9 : 312. 1869.

A slender herb with linear-oblong leaves, joints of the pod 1-3.

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

Alysicarpus heterophyllus (Benth. ex Baker) Jefri & Ali in Biologia (Lahore) 12 : 13. 1966. *A. vaginalis* (L.) DC. var. *heterophyllus* Benth. ex Baker in Hook. f. Fl. Brit. India 2 : 158. 1876.

A slender herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri.

Alysicarpus longifolius Wight & Arn. Prodr. 233. 1834; Wight, Ic. t. 251. 1840; Baker in Hook. f. Fl. Brit. India 2 : 159. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.).

A stout erect herb.

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

Alysicarpus monilifer (L.) DC. Prodr. 2 : 353. 1825; Baker in Hook. f. Fl. Brit. India 2 : 157. 1876; Gamble, Fl. Pres. Madras 1 : 238. 1957 (repr. ed.). *Hedysarum monilifer* L. Mant. Pl. 1 : 102. 1767.

A prostrate herb in dry places.

Distrib.: In almost all districts.

Alysicarpus racemosus Benth. in Linnaea 24 : 642. 1851; Fyson, Fl. South Indian Hill St. 2 : t. 122. 1932; Gamble, Fl. Pres. Madras 1 : 240. 1957 (repr. ed.). *A. belgaumensis* Wight var. *racemosus* (Benth.) Baker in Hook. f. Fl. Brit. India 2 : 160. 1876.

An erect viscid herb with purple flowers.

Distrib.: Coimbatore, Nilgiri.

Alysicarpus rugosus (Willd.) DC. Prodr. 2 : 353. 1825, var. **rugosus**; Baker in Hook. f. Fl. Brit. India 2 : 159. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.). *Hedysarum rugosum* Willd. Sp. Pl. 3 : 1172. 1803.

A diffuse herb.

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

Alysicarpus rugosus (Willd.) DC. var. **pilifer** Prain in J. Asiat. Soc. Bengal 66 : 384. 1898; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.).

A small herb in grass lands.

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

Alysicarpus rugosus (Willd.) DC. var. **styracifolius** (DC.) Baker in Hook. f. Fl. Brit. India 2 : 159. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.). *A. styracifolius* DC. Prodr. 2 : 353. 1825 excl. syn.

A dwarf diffuse herb.

Distrib.: Coimbatore, Dharmapuri, Kanniyakumari, South Arcot, Ramanathapuram.

Alysicarpus vaginalis (L.) DC. Prodr. 2 : 353. 1825, var. **vaginalis**; Baker in Hook. f. Fl. Brit. India 2 : 158. 1876; Gamble, Fl. Pres. Madras 1 : 239. 1957 (repr. ed.). *Hedysarum vaginalis* L. Sp. Pl. 746. 1753. *Alysicarpus vaginalis* (L.) DC. var. **nummularifolius** Miq. Fl. Ind. Bat. 1 : 232. 1855; Baker in Hook. f. Fl. Brit. India 2 : 158. 1876; Gamble, Fl. Pres. Madras 1 : 238. 1957 (repr. ed.). *Hedysarum nummularifolium* sensu Willd. Sp. Pl. 3 : 1173. 1803, non L. 1753.

A branched suberect herb in dry pasture lands.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, North Arcot, Pudukkottai, Ramanathapuram, Salem (Matthew 1981), Tiruchchirappalli (RHT).

Alysicarpus vaginalis (L.) DC. var. **stocksii** Baker in Hook. f. Fl. Brit. India 2 : 158. 1876.

A herb with elongate racemes.

Distrib.: Chengalpattu, Ramanathapuram. R.

Arachis hypogaea L. Sp. Pl. 741. 1753; Baker in Hook. f. Fl. Brit. India 2 : 161. 1876; Gamble, Fl. Pres. Madras 1 : 230. 1957 (repr. ed.).

Tamil: *Verkadalai*, *Manilakottai*, *Nilakkadalai*.

An annual herb, cultivated for the edible seeds. E.

***Atylosia albicans** (Wight & Arn.) Benth. in Miq. Pl. Jungh. 243. 1852; Baker in Hook. f. Fl. Brit. India 2 : 215. 1876; Gamble, Fl. Pres. Madras 1 : 260. 1957 (repr. ed.). *Cantharospermum albicans* Wight & Arn. Prodr. 256. 1834 p.p.

A climbing shrub with bluish grey striate stems in dry localities.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Kanniyakumari, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, Tiruchchirappalli.

Atylosia goensis (Dalz.) Dalz. in J. Linn. Soc. Bot. 13 : 186. 1873; Gamble, Fl. Pres. Madras 1 : 260. 1957 (repr. ed.). *Cajanus goensis* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 265. 1850. *Atylosia barbata* Baker in Hook. f. Fl. Brit. India 2 : 216. 1876.

A woody twiner with villous pods.

Distrib.: Coimbatore. R.

Atylosia lineata Wight & Arn. Prodr. 258. 1834; Baker in Hook. f. Fl. Brit. India 2 : 213. 1876; Gamble, Fl. Pres. Madras 1 : 260. 1957 (repr. ed.). *A. lawii* Wight, Ic. t. 93. 1838.

A compact ashy grey bush.

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

Atylosia rugosa Wight & Arn. Prodr. 257. 1834; Baker in Hook. f. Fl. Brit. India 2 : 215. 1876; Gamble, Fl. Pres. Madras 1 : 260. 1957 (repr. ed.).

* Recent authors treat *Atylosia* Wight & Arn. congeneric with *Cajanus* DC.

A succulent herb.

Distrib.: Coimbatore (Gamble 1957), Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT).

Atylosia scarabaeoides (L.) Benth. in Miq. Pl. Jungh. 242. 1852; Baker in Hook. f. Fl. Brit. India 2 : 215. 1876; Gamble, Fl. Pres. Madras 1 : 261. 1957 (repr. ed.). *Dolichos scarabaeoides* L. Sp. Pl. 726. 1753.

A slender twining shrub at low levels.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Ramanathapuram, Salem, South Arcot (Matthew 1981), Tirunelveli.

Atylosia trinervia (DC.) Gamble, Fl. Pres. Madras 368. 1918 & 1 : 260. 1957 (repr. ed.), var. *trinervia*. *Collaea trinervia* DC. Mem. Leg. 247. 1826. *Atylosia candollei* Wight & Arn. Prodr. 257. 1834; Wight, Ic. t. 754. 1844; Baker in Hook. f. Fl. Brit. India 2 : 212. 1876.

A shrub with yellow flowers.

Distrib.: Kanniyakumari, Madurai, Nilgiri.

Atylosia trinervia (DC.) Gamble var. *major* (Wight & Arn.) Prain in J. Asiat. Soc. Bengal 66 : 45. 1897; Gamble, Fl. Pres. Madras 1 : 260. 1957 (repr. ed.). *A. major* Wight & Arn. Prodr. 247. 1834.

A shrub with larger flowers and leaves.

Distrib.: Nilgiri. R.

Butea monosperma (Lam.) Taub. in Engler & Prantl, Pflanzenf. 3(3) : 366. 1894. *Erythrina monosperma* Lam. Encycl. 1 : 391. 1785. *Butea frondosa* Koen. ex Roxb. in Asiat. Res. 3 : 369. 1792; Baker in Hook. f. Fl. Brit. India 2 : 194. 1876; Gamble, Fl. Pres. Madras 1 : 252. 1957 (repr. ed.).

Tamil: *Porasu*.

A deciduous tree, very conspicuous when flowering.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli (RHT). E.

Butea parviflora Roxb. Fl. Ind. 3 : 248. 1832; Wight, Ic. t. 210. 1839. *Spatholobus roxburghii* Benth. in Miq. Pl. Jungh. 238. 1852; Baker in Hook. f. Fl. Brit. India 2 : 193. 1876; Gamble, Fl. Pres. Madras 1 : 253. 1957 (repr. ed.).

Tamil: *Pilachi valli*.

A large climbing shrub with compound racemes, common in hill forest.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem. E.

Butea purpurea (Benth. ex Baker) Blatter in J. Indian Bot. Soc. 8 : 137. 1929. *Spatholobus purpureus* Benth. ex Baker in Hook. f. Fl. Brit. India 2 : 194. 1876; Gamble, Fl. Pres. Madras 1 : 253. 1957 (repr. ed.).

A gigantic climber with papery winged pods.

Distrib.: Coimbatore. R.

Cajanus cajan (L.) Millsp. in Publ. Field Columbian Mus. Bot. ser. 2 : 53. 1900. *Cytisus cajan* L. Sp. Pl. 739. 1753. *Cajanus indicus* Spreng. Syst. Veg. 3 : 248. 1826; Baker in Hook. f. Fl. Brit. India 2 : 217. 1876; Gamble, Fl. Pres. Madras 1 : 261. 1957 (repr. ed.).

Tamil: *Tuvarai*.

An erect shrub, cultivated for its seeds. E.

Calopogonium mucunoides Desv. in Ann. Sci. Nat. (Paris) 9 : 423. 1826.

A pubescent introduced climber, running wild.

Distrib.: Nilgiri.

Calpurnia aurea (Ait.) Benth. Comm. Leg. Gen. 26. 1837; Baker in Hook. f. Fl. Brit. India 2 : 251. 1876; Gamble, Fl. Pres. Madras 1 : 275. 1957 (repr. ed.). *Sophora aurea* Ait. Hort. Kew. ed. 1. 2 : 44. 1789.

A large showy shrub with yellow flowers.

Distrib.: Dharmapuri, Salem, South Arcot, Tiruchchirappalli, Tirunelveli (Gamble 1957).

Canavalia cathartica Thouars in J. Bot. (Desvaux) 1 : 81. 1813; Sauer in Brittonia 16 : 158. 1964.

A climber on coastal thickets.

Distrib.: "Madras: *Anonymous* 311(a)" (Sauer 1964).

Canavalia gladiata (Jacq.) DC. Prodr. 2 : 404. 1825; Wight, Ic. t. 753. 1844. *Dolichos gladiatus* Jacq. Coll. Bot. 2 : 276. 1788. *Canavalia ensiformis* sensu Baker in Hook. f. Fl. Brit. India 2 : 195. 1876, non DC. 1825; Gamble, Fl. Pres. Madras 1 : 253. 1957 (repr. ed.).

Tamil: *Segapu thampattai*.

A climbing shrub cultivated for its edible pods.

Canavalia lineata DC. Prodr. 2 : 404. 1825; Gamble, Fl. Pres. Madras 1 : 254. 1957 (repr. ed.). *C. obtusifolia* sensu Baker in Hook. f. Fl. Brit. India 2 : 196. 1876, non DC. 1825.

A perennial spreading twiner in sandy regions.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot.

Canavalia maritima (Aubl.) Thouars in J. Bot. (Desvaux) 1 : 80. 1813; Sauer in Brittonia 16 : 163. 1964. *Dolichos maritimus* Aubl. Hist. Pl. Guian. Fr. 765. 1775.

Trailing along with littoral thickets.

Distrib.: "Madras : *Anonymous*, Dec. 1924 (UC); Gamble 17147 (K); Hooker, *Ca* 1850 (K)" (Sauer 1964).

Canavalia mollis Wight & Arn. Prodr. 253. 1834. *C. ensiformis* DC. var. *mollis* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 196. 1876. *C. virosa* (Roxb.) Wight & Arn. var. *mollis* (Wight & Arn.) Gamble, Fl. Pres. Madras 359. 1918 & 1 : 254. 1957 (repr. ed.).

A large climber with densely hairy leaves.

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

Canavalia podocarpa Dunn in Kew Bull. 1922 : 137. 1922.

A climbing herb with red or white flowers.

Distrib.: "Madras presidency" (Dunn 1922).

Canavalia virosa (Roxb.) Wight & Arn. in Wight, Cat. 44. 1833 & Prodr. 253. 1834; Fyson, Fl. South Indian Hill St. 2 : t. 130. 1932; Gamble, Fl. Pres. Madras 1 : 254. 1957 (repr. ed.). *Dolichos virosus* Roxb. Fl. Ind. 3 : 301. 1832. *C. ensiformis* DC. var. *virosa* (Roxb.) Baker in Hook. f. Fl. Brit. India 2 : 196. 1876.

A large climber; flowers pink.

Distrib.: Dharmapuri, Salem, Tiruchchirappalli (Matthew 1981). R.

Castanospermum australe A. Cunn. & Fraser ex Hook. Bot. Misc. 1 : 241. t. 51. 1830; Matthew in Rec. Bot. Surv. India 20(1) : 68. 1969.

A glabrous evergreen tree with dense foliage, planted in the hills.

Centrosema pubescens Benth. in Ann. Wiener Mus. Naturgesch. 2 : 119. 1839.

A slender climber, introduced but almost naturalised.

Chorizema ilicifolium Labill. Voy. 1 : 405. 1800; Matthew in Rec. Bot. Surv. India 20(1) : 72. 1969.

A diffuse, evergreen shrub; introduced in hill stations.

Christia obcordata (Poir.) Bakh. f. in Reinwardtia 89 : 6. 1961. *Hedysarum obcordatum* Poir. in Lam. Encycl. Suppl. 2 : 425. 1812. *Lourea obcordata* (Poir.) Desv. in J. Bot. (Desvaux) 1 : 122. 1813; Baker in Hook. f. Fl. Brit. India 2 : 154. 1876; Gamble, Fl. Pres. Madras 1 : 236. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Coimbatore (Gamble 1957).

Christia vespertilionis (L.f.) Bakh. f. in Reinwardtia 89 : 6. 1961. *Hedysarum vespertilionis* L. f. Suppl. Pl. 337. 1781. *Lourea vespertilionis* (L.f.) Desv. in J. Bot. (Desvaux) 1 : 122. t. 5. f. 18. 1813;

Wight, Ic. t. 285. 1840; Baker in Hook. f. Fl. Brit. India 2 : 154. 1876; Gamble, Fl. Pres. Madras 1 : 236. 1957 (repr. ed.).

An erect herb with curious leaves.

Distrib.: Chengalpattu.

Cicer arietinum L. Sp. Pl. 738. 1753; Baker in Hook. f. Fl. Brit. India 2 : 176. 1876; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

Tamil: *Chunda kadalai*.

An annual herb, cultivated for its edible seeds. E.

Clianthus puniceus Soland. ex Lindl. in Trans. Hort. Soc. London ser. 2. 1 : 521. 1835.

A herb, grown as an ornamental in the hills.

Clitoria ternatea L. Sp. Pl. 753. 1753; Baker in Hook. f. Fl. Brit. India 2 : 208. 1876; Gamble, Fl. Pres. Madras 1 : 258. 1957 (repr. ed.).

Tamil: *Karkakartun*.

A common climber on hedges and thickets, with bright blue flowers.

Distrib.: Almost all districts.

***Crotalaria acicularis** Buch.-Ham. ex Benth. in London J. Bot. 2 : 476. 1843; Baker in Hook. f. Fl. Brit. India 2 : 68. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A slender herb.

Distrib.: Coimbatore, Madurai.

Crotalaria agatiflora Engler in Abh. Preuss. Akad. Wiss. 1891 (2): 244. 1892, nomen & in Hoehnel, Zum Rudolph. Append. 13. 1892; Matthew in Rec. Bot. Surv. India 20(1) : 70. 1969.

An evergreen shrub up to 3 m tall, grown in the hills. A giant *Crotalaria*.

Crotalaria alata Buch.-Ham. & Roxb. ex D. Don, Prodr. Fl. Nep. 241. 1825; Baker in Hook. f. Fl. Brit. India 2 : 69. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

* *Crotalaria* spp. prepared by C.P. Malathi.

An undershrub in hilly regions.

Distrib.: Salem. E.

Crotalaria albida Heyne ex Roth, Nov. Pl. Sp. 333. 1821; Baker in Hook. f. Fl. Brit. India 2 : 71. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

A bushy twiggy undershrub with pale yellow flowers.

Distrib.: Most of the districts.

Crotalaria anagyroides H.B.K. Nov. Gen. Sp. 6 : 404. 1824.

An erect small undershrub in the hills.

Crotalaria angulata Mill. Gard. Dict. ed. 8, n 9. 1768. *C. biflora* (L.) L. Mant. Pl. 570. 1771; Baker in Hook. f. Fl. Brit. India 2 : 66. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.). *Astragalus biflorus* L. Mant. Pl. 273. 1771.

A trailing silky herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Thanjavur; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Crotalaria barbata Graham ex Wight & Arn. Prodr. 181. 1834; Wight, Ic. t. 980. 1845; Baker in Hook. f. Fl. Brit. India 2 : 76. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

A large shrub with conspicuous bright yellow flowers.

Distrib.: Nilgiri, Tirunelveli. O.R.

Crotalaria berteriana DC. Prodr. 2 : 127. 1825, "*berteriana*". *C. fulva* Roxb. Fl. Ind. 3 : 266. 1832; Baker in Hook. f. Fl. Brit. India 2 : 80. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A handsome shrub.

Distrib.: Nilgiri, Tiruchchirappalli.

Crotalaria bidiei Gamble in Kew Bull. 1917 : 27. 1917 & Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

An erect undershrub.

Distrib.: Nilgiri. R.

Crotalaria bifaria L. f. Suppl. Pl. 322. 1781; Wight, Ic. t. 30. 1838; Baker in Hook. f. Fl. Brit. India 2 : 69. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

A trailing, sparsely pubescent herb.

Distrib.: Salem, Thanjavur.

Crotalaria bourneae Fyson in Kew Bull. 1914 : 183. 1914 & Fl. South Indian Hill St. 2 : t. 107. 1932; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A small undershrub.

Distrib.: Madurai, Nilgiri. R.

Crotalaria calycina Schrank, Pl. Rar. Hort. Monac. t. 12. 1817; Baker in Hook. f. Fl. Brit. India 2 : 72. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 110. 1932; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

An annual herb.

Distrib.: Most of the districts.

Crotalaria candicans Wight & Arn. Prodr. 184. 1834; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.). *C. madurensis* sensu Baker in Hook. f. Fl. Brit. India 2 : 79. 1876 p.p., non Wight & Arn. 1834.

A stiff erect undershrub.

Distrib.: Coimbatore, Nilgiri.

Crotalaria clarkei Gamble in Kew Bull. 1917 : 27. 1917 & Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

A stout herb with yellow flowers.

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

Crotalaria clavata Wight & Arn. Prodr. 194. 1834; Baker in Hook. f. Fl. Brit. India 2 : 83. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

A low shrub; flowers yellow.

Distrib.: Coimbatore, Madurai (Baker 1876), Salem.

Crotalaria conferta Fyson in Kew Bull. 1914 : 183. 1914; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A bushy shrub.

Distrib.: Madurai. R.

Crotalaria digitata Hook. Bot. Misc. 2 : t. 16. 1831; Baker in Hook. f. Fl. Brit. India 2 : 85. 1876; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

A low, erect very velvety shrub.

Distrib.: Madurai (Baker 1876), Salem.

Crotalaria dubia Graham ex Benth. in London. J. Bot. 2 : 568. 1843; Baker in Hook. f. Fl. Brit. India 2 : 73. 1876; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

A herb with dense heads of small flowers.

Distrib.: Coimbatore, Nilgiri.

Crotalaria epunctata Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 210. 1851; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.). *C. albida* Heyne ex Roth var. *epunctata* (Dalz.) Baker in Hook. f. Fl. Brit. India 2 : 71. 1876.

An erect slender branching undershrub.

Distrib.: Tirunelveli.

Crotalaria evolvuloides Wight ex Wight & Arn. Prodr. 188. 1834 excl. syn., var. *evolvuloides*; Baker in Hook. f. Fl. Brit. India 2 : 68. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A copiously branched herb.

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

Crotalaria evolvuloides Wight ex Wight & Arn. var. *acutifolia* Gamble, Fl. Pres. Madras 292. 1918 & 1 : 206. 1957 (repr. ed.).

A herb; leaves prominently nerved.

Distrib.: Nilgiri.

Crotalaria formosa Graham ex Wight & Arn. Prodr. 186. 1834; Wight, Ic. t. 981. 1845; Baker in Hook. f. Fl. Brit. India 2 : 76. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

A tawny pubescent handsome shrub with yellow flowers.

Distrib.: Nilgiri.

Crotalaria fysonii Dunn in Kew Bull. 1914 : 26. 1914, var. *fysonii*; Fyson, Fl. South Indian Hill St. 2 : t. 108. 1932; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A trailing perennial subshrubby herb.

Distrib.: Coimbatore, Madurai, Ramasathapuram.

Crotalaria fysonii Dunn var. *glabra* Gamble, Fl. Pres. Madras 292. 1918 & 1 : 207. 1957 (repr. ed.).

A herb with glabrous leaves, flowers and pods.

Distrib.: Madurai, R.

Crotalaria globosa Wight & Arn. Prodr. 190. 1834; Baker in Hook. f. Fl. Brit. India 2 : 66. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A trailing annual.

Distrib.: Coimbatore, Madurai, Tirunelveli, R.

Crotalaria grahamiana Wight & Arn. Prodr. 194. 1834; Baker in Hook. f. Fl. Brit. India 2 : 85. 1876; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

An erect silky pubescent undershrub with yellow flowers.

Distrib.: Coimbatore, Madurai, Tirunelveli, R.

Crotalaria heyneana Graham ex Wight & Arn. Prodr. 187. 1834; Baker in Hook. f. Fl. Brit. India 2 : 78. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A low undershrub with conspicuous flowers and pods.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Crotalaria hirta Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 217. 1803; Baker in Hook. f. Fl. Brit. India 2 : 70. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

A decumbent villous undershrub.

Distrib.: Salem, South Arcot (Matthew 1981), Tirunelveli, R.

Crotalaria humifusa Graham ex Benth. in London J. Bot. 2 : 476. 1843; Baker in Hook. f. Fl. Brit. India 2 : 67. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A trailing slender herb with short spreading hairs.

Distrib.: Coimbatore, Nilgiri.

Crotalaria juncea L. Sp. Pl. 714. 1753; Roxb. Pl. Cor. t. 193. 1805; Baker in Hook. f. Fl. Brit. India 2 : 79. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A tall shrub with prominently grooved and striated stems.

Distrib.: Most of the districts.

Crotalaria laburnifolia L. Sp. Pl. 715. 1753; Baker in Hook. f. Fl. Brit. India 2 : 84. 1876; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

An erect shrubby perennial with large yellow flowers and conspicuously long-stalked pod.

Distrib.: Almost all districts, E.

Crotalaria laevigata Lam. Encycl. 2 : 198. 1786; Baker in Hook. f. Fl. Brit. India 2 : 83. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

A small erect shrub with yellow flowers.

Distrib.: Coimbatore, Madurai (Baker 1876), Nilgiri.

Crotalaria lanata Bedd. in Madras J. Lit. Sci. ser. 2. 19 : 178. 1858 & t. 105. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 77. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A shrub.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai (Gamble 1957), Nilgiri.

Crotalaria leschenaultii DC. Prodr. 2 : 125. 1825; Baker in Hook. f. Fl. Brit. India 2 : 76. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

An erect herbaceous undershrub.

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

Crotalaria linifolia L.f. Suppl. Pl. 322. 1781; Baker in Hook. f. Fl. Brit. India 2 : 72. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

An annual herb with slender branches.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari (Matthew 1981), South Arcot, Tirunelveli.

Crotalaria longipes Wight & Arn. Prodr. 183. 1834; Baker in Hook. f. Fl. Brit. India 2 : 76. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A stiff undershrub.

Distrib.: Nilgiri (Baker 1876), Salem, Tiruchchirappalli. R.

Crotalaria lunulata Heyne ex Wight & Arn. Prodr. 183. 1834; Wight, Ic. t. 480. 1841; Baker in Hook. f. Fl. Brit. India 2 : 80. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

An erect sticky undershrub; flowers yellow in elongate panicles.

Distrib.: Chengalpattu, Thanjavur. R.

Crotalaria madurensis Wight & Arn. Prodr. 184. 1834; Baker in Hook. f. Fl. Brit. India 2 : 79. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A tall herb with yellow flowers.

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

Crotalaria medicaginea Lam. Encycl. 2 : 201. 1790, var. *medicaginea*; Baker in Hook. f. Fl. Brit. India 2 : 81. 1871; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A prostrate slender herb.

Distrib.: Chengalpattu, Tiruchchirappalli; Dharmapuri, Salem and South Arcot (Matthew 1981). E.

Crotalaria medicaginea Lam. var. *herniarioides* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 81. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.). *C. herniarioides* Wight & Arn. Prodr. 192. 1834.

Herbs with very slender prostrate stems; peduncles short, 1-3 flowered.

Distrib.: Chengalpattu, Kanniyakumari. R.

Crotalaria medicaginea Lam. var. *neglecta* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 81. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.). *C. neglecta* Wight & Arn. Prodr. 192. 1834.

A prostrate herb; racemes 6-9 flowered

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

Crotalaria multiflora Benth. in London J. Bot. 2 : 478. 1843; Baker in Hook. f. Fl. Brit. India 2 : 69. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

A shrub; flowers with yellowish corolla.

Distrib.: Coimbatore.

Crotalaria mysorensis Roth, Nov. Pl. Sp. 338. 1821; Baker in Hook. f. Fl. Brit. India 2 : 70. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

An erect densely silky herb.

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

Crotalaria nana Burm. f. Fl. Ind. 156. t. 48. f. 2. 1768; Baker in Hook. f. Fl. Brit. India 2 : 71. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Most of the districts.

Crotalaria notonii Wight & Arn. Prodr. 192. 1834; Wight, Ic. t. 752. 1845; Baker in Hook. f. Fl. Brit. India 2 : 82. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

A pretty erect pubescent shrub with bright yellow flowers.

Distrib.: Coimbatore, Nilgiri.

Crotalaria obtecta Graham ex Wight & Arn. Prodr. 185. 1834, var. *obtecta*; Wight, Ic. t. 208. 1839 & t. 383. 1845; Baker in Hook. f. Fl. Brit. India 2 : 79. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A large shrub with velvety foliage and conspicuous flowers and pods.

Distrib.: Madurai, Nilgiri.

Crotalaria obtecta Graham ex Wight & Arn. var. *glabrescens* (Benth.) Baker in Hook. f. Fl. Brit. India 2 : 79. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.). *C. glabrescens* Benth. in London J. Bot. 3 : 563. 1844.

A large shrub; branches and leaves glabrescent.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Crotalaria orixensis Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 217. 1803; Baker in Hook. f. Fl. Brit. India 2 : 83. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

A diffuse herbaceous much branched perennial; pod oblong, glabrous, long stalked.

Distrib.: Dharmapuri, Salem. R.

Crotalaria ovalifolia Wall. ex Fyson in Kew Bull. 1914 : 184. 1914 & Fl. South Indian Hill St. 2 : t. 106. 1932; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.). *C. rubiginosa* sensu Baker in Hook. f. Fl. Brit. India 2 : 69. 1876 p.p., non Willd. 1802; Wight, Ic. t. 885. 1844-1845.

A spreading shrub densely clothed with grey pubescence; corolla yellow.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Crotalaria pallida Dryand. in Ait. Hort. Kew. ed. 1. 3 : 20. 1789. *C. striata* DC. Prodr. 2 : 131. 1825; Baker in Hook. f.

Fl. Brit. India 2 : 84. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.). *C. striata* DC. var. *acutifolia* Trimen, Handb. Fl. Ceylon 2 : 19. 1894; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

A glabrescent undershrub; flowers yellow with red stripes.

Distrib.: Almost all districts. E.

Crotalaria paniculata Willd. Sp. Pl. 3 : 982. 1802; Baker in Hook. f. Fl. Brit. India 2 : 81. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A sticky, bad smelling, erect undershrub.

Distrib.: Almost all districts.

Crotalaria peduncularis Graham ex Wight & Arn. Prodr. 186. 1834; Baker in Hook. f. Fl. Brit. India 2 : 74. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.). *C. elegans* Bedd. in Madras J. Lit. Sci. 19 : 178. 1858 & Ic. t. 106. 1868-1874.

An erect annual, with grass-like leaves and yellow flowers.

Distrib.: Coimbatore, Nilgiri. R.

Crotalaria priestleyoides Benth. ex Baker in Hook. f. Fl. Brit. India 2 : 74. 1876; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

A low trailing undershrub with long dark hairs and capitate flowers.

Distrib.: Coimbatore, Nilgiri.

Crotalaria prostrata Rottl. ex Willd. Enum. Pl. Hort. Berol. 2 : 747. 1809; Baker in Hook. f. Fl. Brit. India 2 : 67. 1876; Gamble, Fl. Pres. Madras 1 : 206. 1957 (repr. ed.).

A shrubby perennial herb, clothed with short spreading silky yellow-brown hairs.

Distrib.: Chengalpattu, Madurai, Nilgiri, Ramanathapuram, Tirunelveli; Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Crotalaria pulchra Andr. Bot. Repos. 10 : t. 601. 1810. *C. pulcherrima* Roxb.

Fl. Ind. 3 : 267. 1832; Wight, Ic. t. 481. 1841; Baker in Hook. f. Fl. Brit. India 2 : 80. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A very handsome viscous shrub with bright yellow flowers and conspicuous reflexed bracts on the elongated branches of the panicles.

Distrib.: Chengalpattu, Nilgiri, Salem.

Crotalaria pusilla Heyne ex Roth, Nov. Pl. Sp. 335. 1821; Baker in Hook. f. Fl. Brit. India 2 : 70. 1876; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

A small herb.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli (Baker 1876); Dharmapuri and Tiruchchirappalli (Matthew 1981).

Crotalaria quinquefolia L. Sp. Pl. 716. 1753; Wight, Ic. t. 16. 1838; Baker in Hook. f. Fl. Brit. India 2 : 84. 1876; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

An erect annual with fairly large yellow flowers.

Distrib.: Chengalpattu, Nilgiri, Ramanathapuram, South Arcot, Thanjavur.

Crotalaria ramosissima Roxb. Fl. Ind. 3 : 268. 1832; Baker in Hook. f. Fl. Brit. India 2 : 80. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A much-branched sticky woody herb; flowers yellow, tinged with purple.

Distrib.: North Arcot, Ramanathapuram.

Crotalaria retusa L. Sp. Pl. 715. 1753; Baker in Hook. f. Fl. Brit. India 2 : 75. 1876; Gamble, Fl. Pres. Madras 1 : 207. 1957 (repr. ed.).

An erect herbaceous undershrub with conspicuous yellow flowers.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, Tiruchchirappalli (Matthew 1981). E.

Crotalaria rigida Heyne ex Roth, Nov. Pl. Sp. 343. 1821; Baker in Hook. f. Fl. Brit. India 2 : 82. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

A rigid stiff shrub.

Distrib.: Thanjavur. R.

Crotalaria salicifolia Heyne ex Wight & Arn. Prodr. 182. 1834; Baker in Hook. f. Fl. Brit. India 2 : 77. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

An erect golden brown pubescent herbaceous undershrub with bright yellow flowers.

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

Crotalaria scabra Gamble in Kew Bull. 1917 : 28. 1917 & Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

A big shrub.

Distrib.: Coimbatore, Kanniyakumari, Salem (Matthew 1981), Tirunelveli. R.

Crotalaria scabrella Wight & Arn. Prodr. 181. 1834; Fyson, Fl. South Indian Hill St. 2 : t. 105. 1932; Gamble, Fl. Pres. Madras 1 : 205. 1957 (repr. ed.). *C. rubiginosa* Willd. var. *scabrella* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 70. 1876.

A bushy shrub, pods distinctly stalked.

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

Crotalaria semperflorens Vent. Descr. Nouv. Jard. Cels. t. 17. 1800; Baker in Hook. f. Fl. Brit. India 2 : 78. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.). *C. wallichiana* Wight & Arn. Prodr. 187. 1834; Wight, Ic. t. 982. 1845.

A shrub.

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

Crotalaria shevaroyensis Gamble in Kew Bull. 1917 : 28. 1917 & Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A tall shrub with conspicuous persistent shining bracts and bracteoles.

Distrib.: Dharmapuri (Matthew 1981), Madurai, Salem. R.

Crotalaria speciosa Heyne ex Roth, Nov. Pl. Sp. 336. 1821; Baker in Hook. f. Fl. Brit. India 2 : 73. 1876; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

An erect woody undershrub with silky leaves and capitate flowers having silky standard petals and large lanceolate bracts and bracteoles.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), North Arcot (Gamble 1957), Ramanathapuram, Tirunelveli. R.

Crotalaria subperfoliata Wight ex Wight & Arn. Prodr. 184. 1834; Baker in Hook. f. Fl. Brit. India 2 : 79. 1876; Gamble, Fl. Pres. Madras 1 : 211. 1957 (repr. ed.).

A tall herb with slender racemes.

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

Crotalaria tecta Heyne ex Roth, Nov. Pl. Sp. 334. 1821; Baker in Hook. f. Fl. Brit. India 2 : 72. 1876; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.).

A low undershrub.

Distrib.: Kanniyakumari, Madurai, Tirunelveli. R.

Crotalaria trifoliastrum Willd. Sp. Pl. 3 : 983. 1802; Wight, Ic. t. 421. 1841; Baker in Hook. f. Fl. Brit. India 2 : 82. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

An erect perennial with yellow flowers in long racemes.

Distrib.: Chengalpattu, Coimbatore, South Arcot (Matthew 1981).

Crotalaria triquetra Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 34. 1850; Baker in Hook. f. Fl. Brit. India 2 : 71. 1876; Gamble, Fl. Pres. Madras 1 : 209. 1957 (repr. ed.).

A slender herb.

Distrib.: Nilgiri.

Crotalaria umbellata Wight ex Wight & Arn. Prodr. 191. 1834; Gamble, Fl. Pres. Madras 1 : 208. 1957 (repr. ed.). *C. nana* sensu Baker in Hook. f. Fl. Brit. India 2 : 71. 1876 p.p., non Burm. f. 1768.

An erect bushy shrub.

Distrib.: In most of the districts.

Crotalaria verrucosa L. Sp. Pl. 715. 1753; Wight, Ic. t. 200. 1839; Baker in Hook. f. Fl. Brit. India 2 : 77. 1876; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.).

A branched herb with blue and white flowers.

Distrib.: Almost all districts.

Crotalaria walkeri Arn. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 18(1) : 328. 1840; Gamble, Fl. Pres. Madras 1 : 210. 1957 (repr. ed.). *C. semperflorens* Vent. var. *walkeri* (Arn.) Baker in Hook. f. Fl. Brit. India 2 : 78. 1876.

A low undershrub.

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

Crotalaria wightiana Graham ex Wight & Arn. Prodr. 181. 1834; Gamble, Fl. Pres. Madras 1 : 205. 1957 (repr. ed.). *C. rubiginosa* Willd. var. *wightiana* (Graham ex Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 70. 1876.

A shrub.

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

Crotalaria willdenowiana DC. Prodr. 2 : 134. 1825, subsp. *willdenowiana*; Baker in Hook. f. Fl. Brit. India 2 : 81. 1876; Gamble, Fl. Pres. Madras 1 : 212. 1957 (repr. ed.).

An erect herbaceous or suffruticose perennial in the plains and low hills.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, North Arcot, Salem, Thanjavur, Tiruchchirappalli (Matthew 1981).

Crotalaria willdenowiana DC. subsp. *glabrifoliolata* Ellis in Bull. Bot. Surv. India 6 : 97. 1964 (1965).

A robust perennial herb, 20-30 cm tall.

Distrib.: Coimbatore. O.R.

Cyamopsis tetragonoloba (L.) Taub. in Pflanzentf. 3(3) : 259. 1894; Gamble, Fl. Pres. Madras 1 : 215. 1957 (repr. ed.). *Psoralea tetragonoloba* L. Mant. Pl. 104. 1767. *Cyamopsis psoraloides* (Lam.) DC. Prodr. 2 : 216. 1825; Wight, Ic. t. 248. 1840; Baker in Hook. f. Fl. Brit. India 2 : 92. 1876. *Dolichos psoraloides* Lam. Encycl. 2 : 300. 1786.

Tamil: *Kothaveray*.

An erect annual herb, widely cultivated; pods used as a vegetable. E.

***Cytisus albus** Link, Enum. Pl. Hort. Berol. 2 : 241. 1822; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

A shrub with white flowers, introduced in the hills and found run wild.

Cytisus canariensis Steud. Nomencl. ed. 1. 1 : 259. 1821.

A much-branched shrub with villous-pubescent branches; introduced.

Cytisus hirsutus L. Sp. Pl. 739. 1753; Sharma et al. in Biol. Mem. 2 (1 & 2) : 40. 1977.

A shrub, introduced in hill stations and run wild.

Cytisus monspessulanus L. Sp. Pl. 740. 1753; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.).

A shrub with yellow flowers, introduced and run wild in the hills.

Cytisus multiflorus Sweet, Hort. Brit. ed. 1. 112. 1826-1827.

A shrub with slender, erect, grooved branches, introduced in the hills.

Cytisus proliferus L.f. Suppl. Pl. 328. 1781; Sharma et al. in Biol. Mem. 2 (1 & 2) : 40. 1977.

A shrub introduced in the hills.

Cytisus supinus L. Sp. Pl. 740. 1743; Sharma et al. in Biol. Mem. 2 (1 & 2) : 40. 1977.

An erect or decumbent shrub introduced in the hills.

**Cytisus* spp. prepared by C. P. Malathi.

Dalbergia acaciifolia Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 37. 1850; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.), "*acaciaefolia*". *D. tamarindifolia* Roxb. var. *acaciifolia* (Dalz.) Baker in Hook. f. Fl. Brit. India 2 : 235. 1876, "*acaciaefolia*".

A woody climbing shrub in dry forests.

Distrib.: Ramanathapuram, Tirunelveli.

Dalbergia congesta Graham ex Wight & Arn. Prodr. 265. 1834; Baker in Hook. f. Fl. Brit. India 2 : 232. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A large climbing shrub with white flowers.

Distrib.: Nilgiri. O.R.

Dalbergia coromandeliana Prain in Ann. Roy. Bot. Gard. (Calcutta) 10 : 46. t. 21. 1905; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

An erect spinous shrub.

Distrib.: Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Dalbergia gardneriana Benth. in J. Linn. Soc. Bot. 4 (Suppl.) : 42. 1861; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.). *D. congesta* sensu Baker in Hook. f. Fl. Brit. India 2 : 232. 1876 p.p., non Graham ex Wight & Arn. 1834.

A climbing shrub with rusty tomentose branchlets.

Distrib.: Nilgiri. R.

Dalbergia horrida (Dennst.) Mabblerley in Taxon 26 : 538. 1977. *Amerimnon horridum* Dennst. Schluess. Hort. Ind. Malab. 9, 18, 34. 1818, "*Amerimnum*". *Dalbergia spinosa* Roxb. Fl. Ind. 3 : 233. 1832; Baker in Hook. f. Fl. Brit. India 2 : 238. 1876; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A stiff climbing shrub, branchlets ending in spines in coastal forests.

Distrib.: South Arcot, Tirunelveli.

Dalbergia lanceolaria L.f. Suppl. Pl. 316. 1781; Baker in Hook. f. Fl. Brit. India 2 : 235. 1876; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.). *D. frondosa* Roxb. Fl. Ind. 3 : 226. 1832; Wight, Ic. t. 266. 1840.

Tamil: *Erigei, Nalvellangu.*

A large deciduous tree at low elevations.

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

Dalbergia latifolia Roxb. Pl. Cor. t. 113. 1799; Baker in Hook. f. Fl. Brit. India 2 : 231. 1876; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.).

Tamil: *Eravadi, Itti, Karundorvirai.*

A large deciduous tree; yields a fine heart wood.

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

Dalbergia malabarica Prain in Ann. Roy. Bot. Gard. (Calcutta) 10 : 67. t. 46. 1905; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.). *D. tamarindifolia* Roxb. var. *pubescens* Baker in Hook. f. Fl. Brit. India 2 : 235. 1876.

A climbing shrub with one seeded pod in dry forests.

Distrib.: Tirunelveli. R.

Dalbergia melanoxylon Guill. & Perr. Fl. Seneg. Tent. 227. t. 53. 1832.

A small tree, grown in Madras (Wealth of India 1952).

Dalbergia paniculata Roxb. Pl. Cor. t. 114. 1799; Baker in Hook. f. Fl. Brit. India 2 : 236. 1876; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.).

Tamil: *Pannivagai.*

A conspicuous tree in dry deciduous forests.

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

Dalbergia pseudo-sisoo Miq. Fl. Ind. Bat. 1 : 128. 1855. *D. champtonii* Thw. Enum. Pl. Zeyl. 95. 1858; Baker in Hook. f. Fl. Brit. India 2 : 231. 1876. *D. rostrata* Graham ex Prain in Ann. Roy. Bot. Gard. (Calcutta) 10 : 60. t. 36. 1905; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A climbing shrub with cream coloured flowers.

Distrib.: Tirunelveli (Gamble 1957). R.

Dalbergia rubiginosa Roxb. Pl. Cor. t. 115. 1798; Baker in Hook. f. Fl. Brit. India 2 : 232. 1876; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A large scandent shrub.

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

Dalbergia sissoides Graham ex Wight & Arn. Prodr. 265. 1834; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.). *D. latifolia* var. *sissoides* (Graham ex Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 231. 1876. *D. latifolia* sensu Wight, Ic. t. 1153. 1846, non Roxb. 1798.

Tamil: *Thothagatti, Etti, Vel-itti.*

A large deciduous tree, mostly at low elevations.

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

Dalbergia sisoo Roxb. Fl. Ind. 3 : 223. 1832; Bedd. Fl. Sylv. t. 25. 1869; Baker in Hook. f. Fl. Brit. India 2 : 237. 1876; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.).

Tamil: *Sisu-itti, Gette.*

A large deciduous tree; timber used for building purposes.

Distrib.: Chengalpattu, Dharmapuri, Salem, South Arcot (Matthew 1981), Tiruchchirappalli. E.

Dalbergia spinosa Roxb. Fl. Ind. 3 : 233. 1832; Baker in Hook. f. Fl. Brit. India 2 : 238. 1876; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A stiff climbing shrub, branchlets ending in spines, in coastal forests.

Distrib.: South Arcot, Tirunelveli.

Dalbergia sympathetica Nimmo in Graham, Cat. Pl. Bombay 55. 1839; Baker in Hook. f. Fl. Brit. India 2 : 234. 1876. *D. multiflora* Heyne ex Prain in Ann. Roy. Bot. Gard. (Calcutta) 10 : 43. t. 18. 1905; Gamble, Fl. Pres. Madras 1 : 269. 1957 (repr. ed.).

A large climbing shrub with twisted branches bearing spines.

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

Dalbergia tinneveli Thoth. in Ceylon J. Sci., Biol. Sci. 12 : 47. f. 1. 1976.

A large climbing shrub.

Distrib.: Tirunelveli (CAL).

Dalbergia volubilis Roxb. Pl. Cor. t. 191. 1805; Baker in Hook. f. Fl. Brit. India 2 : 235. 1876; Gamble, Fl. Pres. Madras 1 : 270. 1957 (repr. ed.).

A large woody climber in deciduous forests.

Distrib.: Coimbatore, Nilgiri, Salem.

Derris benthamii (Thw.) Thw. Enum. Pl. Zeyl. 413. 1864, var. **benthamii**; Gamble, Fl. Pres. Madras 1 : 273. 1957 (repr. ed.). *Brachypterum benthamii* Thw. Enum. Pl. Zeyl. 93. 1859. *D. paniculata* Benth. in J. Linn. Soc. Bot. 4 (Suppl.) : 105. 1860; Baker in Hook. f. Fl. Brit. India 2 : 242. 1878.

A slender glabrous climber with rusty pubescent inflorescence axis.

Distrib.: Madurai (Thothathri 1961), Tirunelveli. R.

Derris benthamii (Thw.) Thw. var. **wightii** (Baker) Thoth. in J. Jap. Bot. 51 : 145. 1976. *D. wightii* Baker in Hook. f. Fl. Brit. India 2 : 247. 1878; Gamble, Fl. Pres. Madras 1 : 273. 1957 (repr. ed.).

A slender climber with brown silky pods.

Distrib.: Tirunelveli (Gamble 1957). R.

Derris brevipes (Benth.) Baker in Hook. f. Fl. Brit. India 2 : 244. 1878, var. **brevipes**; Gamble, Fl. Pres. Madras 1 : 273. 1957 (repr. ed.). *D. heyneana* Benth. var. **brevipes** Benth. in J. Linn. Soc. Bot. 4. (Suppl.) : 110. 1860.

A large climbing shrub with red flowers and densely silky pods.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Derris brevipes (Benth.) Baker var. **coriacea** Baker in Hook. f. Fl. Brit. India 2 : 244. 1878 emend. Thoth. in Bull. Bot. Surv. India 3 : 185. 1961.

A large climbing shrub with brown pubescent pod.

Distrib.: Madurai (Thothathri 1961), Nilgiri.

Derris canarensis (Dalz.) Baker in Hook. f. Fl. Brit. India 2 : 246. 1878; Fyson, Fl. South Indian Hill. St. 2 : t. 136. 1932; Thoth. in Bull. Bot. Surv. India 3 : 190. 1961. *Pongamia canarensis* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 37. 1850. *Derris oblonga* Benth. in J. Linn. Soc. Bot. 4 (Suppl.) : 112. 1860; Baker in Hook. f. Fl. Brit. India 2 : 242. 1878.

A climbing shrub with white flowers.

Distrib.: Madurai (Fyson 1932). R.

Derris elliptica (Wall.) Benth. in J. Linn. Soc. Bot. 4 (Suppl.) : 111. 1860; Baker in Hook. f. Fl. Brit. India 3 : 175. 1961. *Pongamia elliptica* Wall. Pl. Asiat. Rar. 3 : 20. t. 237. 1832.

A tuberous climber, cultivated; tuberous roots used as an agricultural and horticultural insecticide and a fish poison. E.

Derris scandens (Roxb.) Benth. in J. Linn. Soc. Bot. 4 (Suppl.) : 103. 1860; Baker in Hook. f. Fl. Brit. India 2 : 240. 1876; Gamble, Fl. Pres. Madras 1 : 273. 1957 (repr. ed.); Thoth. in Bull. Bot. Surv. India 3 : 177. 1961. *Dalbergia scandens* Roxb. Pl. Cor. t. 192. 1805.

Tamil: *Takil, Tirani, Thirudankodi.*

A woody climber with imparipinnate leaves and white or pale rose flowers.

Distrib.: In most of the districts.

Derris thothathrii Bennett in Indian J. For. 1 : 28, 1978. *D. heyneana* sensu Baker in Hook. f. Fl. Brit. India 2 : 244, 1878, non Benth. 1852; Gamble, Fl. Pres. Madras 1 : 273, 1957 (repr. ed.). Thoth. in Bull. Bot. Surv. India 3 : 186, 1961.

A climber with lenticellate stems and copiously branching inflorescence.

Distrib.: Coimbatore (Thothathri 1961).

Derris trifoliata Lour. Fl. Cochinch. 2 : 433, 1790; Thoth. in Bull. Bot. Surv. India 3 : 181, 1961. *D. uliginosa* (Roxb.) Benth. in Miq. Pl. Jungh. 1 : 252, 1852; Baker in Hook. f. Fl. Brit. India 2 : 241, 1878; Gamble, Fl. Pres. Madras 1 : 273, 1957 (repr. ed.). *Galedupa uliginosa* Roxb. Fl. Ind. 3 : 243, 1832.

A climber, common along the sea coast; flowers pink.

Distrib.: Chengalpattu (Thothathri 1961), Coimbatore, Madurai (Thothathri 1961), South Arcot (Matthew 1981), Thanjavur, R.

***Desmodium alysicarpoides** Van Meeuwen in Reinwardtia 6 : 246, 1961. *Alysicarpus parviflorus* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 211, 1851; Gamble, Fl. Pres. Madras 1 : 240, 1957 (repr. ed.). *Desmodium parviflorum* (Dalz.) Baker in Hook. f. Fl. Brit. India 2 : 172, 1876, non Mart. & Galeotti 1843.

An erect annual herb.

Distrib.: Coimbatore, Nilgiri.

Desmodium barbatum (L.) Benth. subsp. *sauliereri* (Schind.) Ohashi in Ginkgoana 1 : 203, 1973. *Nicolsonia barbata* (L.) DC. var. *saulierei* Schind. in Feddes Repert. 23 : 359, 1927.

An erect herb.

Distrib.: "Madras, Pulney Hills, alt. 4000 ft., Sauliere 506" (Ohashi 1973). O.

*The treatment of *Desmodium* Desv. is in its wider sense.

Desmodium biarticulatum (L.) F.v. Muell. Fragm. Phyt. Austr. 2 : 121, 1861; Baker in Hook. f. Fl. Brit. India 2 : 163, 1876; Gamble, Fl. Pres. Madras 1 : 243, 1957 (repr. ed.). *Hedysarum biarticulatum* L. Sp. Pl. 747, 1753. *Dicerma biarticulatum* (L.) DC. Mem. Leg. 7 : 328, 1825 & Prodr. 2 : 339, 1825; Wight, Ic. t. 419, 1841.

A slender shrub with bright red flowers.

Distrib.: Almost all districts.

Desmodium dichotomum (Willd.) DC. Prodr. 2 : 336, 1825. *Hedysarum dichotomum* Willd. Sp. Pl. 3 : 1180, 1802. *Desmodium diffusum* (Willd.) DC. Prodr. 2 : 336, 1825, nom. illeg., non p. 335, n. 88, quae est *D. laxiflorum* DC.; Baker in Hook. f. Fl. Brit. India 2 : 169, 1876.

A herb with angular stems.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem, South Arcot, Tiruchchirappalli (Matthew 1981).

Desmodium dolabriforme Benth. in Miq. Pl. Jungh. 226, 1852; Baker in Hook. f. Fl. Brit. India 2 : 165, 1876; Gamble, Fl. Pres. Madras 1 : 243, 1957 (repr. ed.).

An erect herb.

Distrib.: Kanniyakumari, Tirunelveli. O.R.

Desmodium ferrugineum Wall. ex Thw. Enum. Pl. Zeyl. 87, 1859, subsp. *ferrugineum*. *D. polycarpum* DC. var. *fischeri* Gamble, Fl. Pres. Madras 347, 1918 & 1 : 245, 1957 (repr. ed.) p.p. *D. rufescens* sensu Wight & Arn. Prodr. 228, 1834, non DC. 1825 quae est *Uraria rufescens* (DC.) Schind.

An erect shrub with silvery branches and foliage.

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

Desmodium ferrugineum Wall. ex Thw. subsp. *wynaadense* (Bedd. ex Gamble) Ohashi in Ginkgoana 1 : 206, 1973. *D. wynaadense* Bedd. ex Gamble, Fl. Pres. Madras 346, 1918 & 1 : 244, 1957 (repr. ed.).

A handsome erect undershrub with large purple flowers.

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

Desmodium gangeticum (L.) DC. Prodr. 2 : 327. 1825; Wight, Ic. t. 271. 1840; Baker in Hook. f. Fl. Brit. India 2 : 168. 1876 incl. var. *maculatum*; Gamble, Fl. Pres. Madras 1 : 244. 1957 (repr. ed.). *Hedysarum gangeticum* L. Sp. Pl. 746. 1753.

A suberect undershrub with unifoliolate leaves, as forest undergrowth.

Distrib.: In most of the districts.

Desmodium heterocarpon (L.) DC. Prodr. 2 : 337. 1825, var. **heterocarpon**. *Hedysarum heterocarpon* L. Sp. Pl. 747. 1753. *Desmodium polycarpum* (Poir.) DC. Prodr. 2 : 334. 1825 p.p.; Wight, Ic. t. 406. 1840; Baker in Hook. f. Fl. Brit. India 2 : 171. 1876 incl. var. *trichocaulon*; Gamble, Fl. Pres. Madras 1 : 244. 1957 (repr. ed.). *Hedysarum polycarpum* Poir. in Lam. Encycl. 6 : 413. 1805.

A small slender shrub.

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

Desmodium heterocarpon (L.) DC. var. **strigosum** Van Meeuwen in Reinwardtia 6 : 95. 1961 & 251. 1962.

A herb.

Distrib.: Nilgiri. **R.**

Desmodium heterophyllum (Willd.) DC. Prodr. 2 : 334. 1825; Gamble, Fl. Pres. Madras 1 : 245. 1957 (repr. ed.). *Hedysarum heterophyllum* Willd. Sp. Pl. 3 : 1201. 1802. *Desmodium triflorum* (L.) DC. var. *majus* Wight & Arn. Prodr. 229. 1834; Wight, Ic. t. 291. 1840.

A much branched undershrub with purple flowers.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Desmodium laxiflorum DC. in Ann. Sci. Nat. (Paris) 4 : 100. 1825 & Prodr. 2 : 335. 1825; Baker in Hook. f. Fl.

Brit. India 2 : 164. 1876; Gamble, Fl. Pres. Madras 1 : 243. 1957 (repr. ed.). *D. diffusum* DC. in Ann. Sci. Nat. (Paris) 4 : 100. 1825 & Prodr. 2 : 335. 1825, non p. 336 auct. (Willd.) DC. quae est *D. dichotomum* DC. *D. recurvatum* (Roxb.) Graham ex Wight & Arn. Prodr. 226. 1834; Wight, Ic. t. 374. 1840. *Hedysarum recurvatum* Roxb. Fl. Ind. 3 : 358. 1832.

An erect undershrub in moist places.

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

Desmodium laxum DC. in Ann. Sci. Nat. (Paris) 4 : 102. 1825 & Prodr. 2 : 336. 1825; Gamble, Fl. Pres. Madras 1 : 243. 1957 (repr. ed.). *D. podocarpum* var. *laxum* (DC.) Baker in Hook. f. Fl. Brit. India 2 : 165. 1876. *D. gardneri* sensu Baker in Hook. f. Fl. Brit. India 2 : 165. 1876 p.p., non Benth. 1852.

An erect undershrub.

Distrib.: Coimbatore, Tirunelveli. **R.**

Desmodium microphyllum (Thunb.) DC. Prodr. 2 : 337. 1825. *Hedysarum microphyllum* Thunb. Fl. Jap. 284. 1784. *Desmodium parvifolium* DC. in Ann. Sci. Nat. (Paris) 4 : 100. 1825 & Prodr. 2 : 234. 1825; Baker in Hook. f. Fl. Brit. India 2 : 174. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 125. 1932; Gamble, Fl. Pres. Madras 1 : 245. 1957 (repr. ed.).

A much branched prostrate herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Desmodium motorium (Houtt.) Merr. in J. Arnold Arbor. 19 : 345. 1938. *Hedysarum motorium* Houtt. Nat. Hist. ed. 2. 10 : 246. 1779. *Desmodium gyrans* (L.f.) DC. Prodr. 2 : 326. 1825; Wight, Ic. t. 294. 1840; Baker in Hook. f. Fl. Brit. India 2 : 174. 1876; Gamble, Fl. Pres. Madras 1 : 245. 1957 (repr. ed.). *Hedysarum gyrans* L.f. Suppl. Pl. 332. 1781.

An erect undershrub in grass lands.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, Ramanaapuram, Tirunelveli.

Desmodium pryonii DC. Prodr. 2 : 334. 1825, "pryonii". *D. wightii* Graham ex Wight & Arn. Prodr. 266. 1834; Baker in Hook. f. Fl. Brit. India 2 : 169. 1876; Gamble, Fl. Pres. Madras 1 : 244. 1957 (repr. ed.).

An erect slender herb at low elevations.

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

Desmodium pulchellum (L.) Benth. Fl. Hong. 83. 1861; Baker in Hook. f. Fl. Brit. India 2 : 162. 1876; Gamble, Fl. Pres. Madras 1 : 243. 1957 (repr. ed.). *Hedysarum pulchellum* L. Sp. Pl. 747. 1753. *Dicerma pulchellum* (L.) DC. in Ann. Sci. Nat. (Paris) 4 : 236. 1825 & Prodr. 2 : 339. 1825; Wight, Ic. t. 418. 1841.

A shrub with white flowers in the undergrowth of dry forests.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem (Matthew 1981), Tirunelveli.

Desmodium repandum (Vahl) DC. Prodr. 2 : 334. 1825. *Hedysarum repandum* Vahl, Symb. Bot. 2 : 82. 1791. *Desmodium scalpe* DC. Prodr. 2 : 334. 1825; Baker in Hook. f. Fl. Brit. India 2 : 165. 1876. Fyson, Fl. South Indian Hill. St. 2 : t. 124. 1932; Gamble, Fl. Pres. Madras 1 : 243. 1957 (repr. ed.). *D. strangulatum* Wight & Arn. Prodr. 228. 1834; Wight, Ic. t. 985. 1847.

An erect herb in shady places; flowers red.

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

Desmodium styracifolium (Osbeck) Merr. in Amer. J. Bot. 3 : 580. 1916. *Hedysarum styracifolium* Osbeck, Dagbok Ostind. Resa 247. 1757. *Desmodium retroflexum* (L.) DC. Prodr. 2 : 336. 1825; Baker in Hook. f. Fl. Brit. India 2 : 170. 1876; Gamble, Fl. Pres. Madras 1 : 245. 1957 (repr. ed.). *Hedysarum retroflexum* L. Mant. Pl. 103. 1767.

A large shrub with purple flowers.

Distrib.: Madurai (Gamble 1957).

Desmodium tortuosum (Sw.) DC. Prodr. 2 : 332. 1825; Sundarraj & Nagarajan in J. Bombay Nat. Hist. Soc. 66 : 658. 1969. *Hedysarum tortuosum* Sw. Prodr. 107. 1788.

A viscid pubescent herb in moist places.

Distrib.: Coimbatore, Tirunelveli.

Desmodium triangulare (Retz.) Merr. in J. Arnold Arb. 23 : 170. 1942. *Hedysarum triangulare* Retz. Obs. Bot. 3 : 40. 1783. *Desmodium congestum* Wall. ex Wight & Arn. Prodr. 224. 1834; Wight, Ic. t. 209. 1839. *D. cephalotes* (Roxb.) Wight & Arn. var. *congestum* (Wight & Arn.) Prain in J. Asiat. Soc. Bengal 66 : 389. 1898; Gamble, Fl. Pres. Madras 1 : 242. 1957 (repr. ed.).

A shrub with silky triquetrous branchlets.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Desmodium triflorum (L.) DC. Prodr. 2 : 334. 1825; Baker in Hook. f. Fl. Brit. India 2 : 173. 1876; Gamble, Fl. Pres. Madras 1 : 245. 1957 (repr. ed.). *Hedysarum triflorum* L. Sp. Pl. 749. 1753. *Desmodium triflorum* (L.) DC. var. *minus* Wight & Arn. Prodr. 229. 1834; Wight, Ic. t. 292. 1840.

A small much branched undershrub among grasses.

Distrib.: In all districts.

Desmodium triquetrum (L.) DC. Prodr. 2 : 326. 1825; Baker in Hook. f. Fl. Brit. India 2 : 163. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 244. 1957 (repr. ed.). *Hedysarum triquetrum* L. Sp. Pl. 746. 1753.

An erect undershrub; petioles winged.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Desmodium velutinum (Willd.) DC. Prodr. 2 : 328. 1825. *Hedysarum velutinum* Willd. Sp. Pl. 3 : 1174. 1802. *Desmodium latifolium* (Roxb. ex Ker) DC. Prodr. 2 : 328. 1825; Baker in Hook. f. Fl. Brit. India 2 : 168. 1876; Gamble, Fl. Pres.

Madras 1 : 244. 1957 (repr. ed.). *Hedy-
sarum latifolium* Roxb. ex Ker. in Bot.
Reg. 5 : t. 355. 1819.

An erect undershrub in moist localities.

Distrib.: Coimbatore, Kanniyakumari,
Madurai, Nilgiri, Ramanathapuram, Tiru-
nelveli; Dharmapuri, Salem and South
Arcot (Matthew 1981).

Desmodium zonatum Miq. Fl. Ind.
Bat. 1(1) : 250. 1855. *D. ormocarpoides*
auct. non DC. 1825; Baker in Hook. f.
Fl. Brit. India 2 : 164. 1876; Gamble,
Fl. Pres. Madras 1 : 243. 1957 (repr. ed.).

A slender erect undershrub with pale
violet flowers.

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

Dolichos trilobus L. Sp. Pl. 726. 1753;
Verdc. in Taxon 17 : 170. 1968 & in Kew
Bull. 24 : 422. 1970. *D. falcatus* auct.
non Klein ex Willd. Sp. Pl. 3 : 1047.
1802; Baker in Hook. f. Fl. Brit. India
2 : 211. 1876; Gamble, Fl. Pres. Madras
1 : 259. 1957 (repr. ed.).

A slender twiner.

Distrib.: Almost all districts.

Dumasia villosa DC. in Ann. Sci. Nat.
(Paris) 4 : 96. 1825 & Prodr. 2 : 241.
1825; Baker in Hook. f. Fl. Brit. India
2 : 183. 1876; Fyson, Fl. South Indian
Hill St. 2 : t. 128. 1932; Gamble, Fl.
Pres. Madras 1 : 247. 1957 (repr. ed.).

A slender climber with yellow flowers
and velvety pods.

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

Dunbaria ferruginea Wight & Arn.
Prodr. 258. 1834; Baker in Hook. f. Fl.
Brit. India 2 : 217. 1876; Gamble, Fl.
Pres. Madras 1 : 261. 1957 (repr. ed.).

A woody twiner with slender dawny
branchlets.

Distrib.: Coimbatore, Madurai, Nilgiri,
North Arcot, Ramanathapuram, Salem,
South Arcot (Matthew 1981), Tiruchchi-
rappalli, Tirunelveli.

Dunbaria heynei Wight & Arn. Prodr.
258. 1834; Baker in Hook. f. Fl. Brit.
India 2 : 217. 1876; Gamble, Fl. Pres.
Madras 1 : 261. 1957 (repr. ed.).

A slender climber.

Distrib.: Coimbatore, Nilgiri.

Eleiotis sororia DC. Prodr. 2 : 348.
1825; Baker in Hook. f. Fl. Brit. India
2 : 153. 1876; Gamble, Fl. Pres. Madras
1 : 235. 1957 (repr. ed.).

A long trailing herb with small flowers
and pods.

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

Erythrina crista-galli L. Mant. Pl. 1 :
90. 1767; Matthew in Rec. Bot. Surv.
India 20(1) : 69. 1969.

A thorny shrub with crimson flowers,
planted.

Erythrina stricta Roxb. Fl. Ind. 3 :
251. 1832; Bedd. Fl. Sylv. t. 175. 1872;
Baker in Hook. f. Fl. Brit. India 2 : 189.
1876; Gamble, Fl. Pres. Madras 1 : 250.
1957 (repr. ed.).

Tamil: *Murukkai*.

A deciduous tree with recurved prickles
on branchlets, flowers red.

Distrib.: Nilgiri, Salem, South Arcot
and Tiruchchirappalli (Matthew 1981). R.

Erythrina suberosa Roxb. Fl. Ind.
3 : 253. 1832; Bedd. Fl. Sylv. t. 87. 1871;
Baker in Hook. f. Fl. Brit. India 2 : 189.
1876; Gamble, Fl. Pres. Madras 1 : 250.
1957 (repr. ed.).

A moderate-sized deciduous tree.

Distrib.: Coimbatore, Dharmapuri
(Matthew 1981), Nilgiri, Ramanatha-
puram, Salem. E.

Erythrina subumbrans (Hassk.) Merr.
in Philipp. J. Sci. 5 : 113. 1910. *Hypaphorus*
subumbrans Hassk. Hort. Bogor. Desc.
198. 1858. *Erythrina lithosperma* Blume
ex Miq. Fl. Ind. Bat. 1(2) : 209. 1859; Baker
in Hook. f. Fl. Brit. India 2 : 190. 1876.

An introduced unarmed tree with scarlet flowers.

Erythrina variegata L. Herb. Amboin. 10. 1754. *E. indica* Lam. Encycl. 2 : 391. 1786; Wight, Ic. t. 58. 1838; Baker in Hook. f. Fl. Brit. India 2 : 188. 1876; Gamble, Fl. Pres. Madras 1 : 249. 1957 (repr. ed.).

Tamil: *Kalyana murungai*.

A soft wooded tree with prickles on stems.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem (Matthew 1981), South Arcot, Tiruchchirappalli.

Flemingia bracteata (Roxb.) Wight, Ic. t. 268. 1840; Gamble, Fl. Pres. Madras 1 : 266. 1957 (repr. ed.). *Hedysarum bracteatum* Roxb. Fl. Ind. 3 : 351. 1832. *Flemingia strobilifera* R.Br. ex Ait. var. *bracteata* (Roxb.) Baker in Hook. f. Fl. Brit. India 2 : 227. 1876.

An erect branching shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Flemingia grahamiana Wight & Arn. Prodr. 242. 1834; Baker in Hook. f. Fl. Brit. India 2 : 228. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 133. 1932; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.).

An erect shrub with red sticky glands which give a dye (Gamble 1957).

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

Flemingia lineata (L.) Roxb. ex Ait. Hort. Kew. ed. 2. 4 : 350. 1812; Wight, Ic. t. 327. 1840; Baker in Hook. f. Fl. Brit. India 2 : 228. 1876; Gamble, Fl. Pres. Madras 1 : 226. 1957 (repr. ed.). *Hedysarum lineatum* L. Sp. Pl. 1054. 1753.

A small erect herb.

Distrib.: Nilgiri (Gamble 1957).

Flemingia macrophylla (Willd.) Prain ex Merr. in Philipp. J. Sci. 5 : 130. 1910. *Crotalaria macrophylla* Willd. Sp. Pl. 3 : 982. 1802. *Flemingia congesta* Roxb.

ex. Ait. Hort. Kew. ed. 2. 4 : 349. 1812; Baker in Hook. f. Fl. Brit. India 2 : 228. 1876; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.).

A small shrub, flowers streaked with purple and yellow.

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

Flemingia nilgheriensis (Baker) Wight ex Cooke, Fl. Pres. Bombay 1 : 393. 1902, "*nilgheriensis*"; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.). *F. vestita* Benth. ex Baker var. *nilgheriensis* Baker in Hook. f. Fl. Brit. India 2 : 230. 1876. *F. procumbens* sensu Wight, Ic. t. 987. 1845, non Roxb. 1832.

A decumbent herb with yellow glands.

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

Flemingia semialata Roxb. Fl. Ind. 3 : 340. 1832; Wight, Ic. t. 326. 1840; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.). *F. congesta* Roxb. var. *semialata* (Roxb.) Baker in Hook. f. Fl. Brit. India 2 : 229. 1876 p.p.

An erect shrub with purple flowers.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri.

Flemingia stricta Roxb. Fl. Ind. 3 : 342. 1832; Wight, Ic. t. 329. 1840; Baker in Hook. f. Fl. Brit. India 2 : 228. 1876; Gamble, Fl. Pres. Madras 1 : 266. 1957 (repr. ed.).

A shrub in shady or moist places.

Distrib.: Nilgiri.

Flemingia strobilifera (L.) R. Br. ex Ait. Hort. Kew. ed. 2. 4 : 350. 1812; Wight, Ic. t. 267. 1840; Baker in Hook. f. Fl. Brit. India 2 : 227. 1876; Gamble, Fl. Pres. Madras 1 : 266. 1957 (repr. ed.). *Hedysarum strobiliferum* L. Sp. Pl. 746. 1753.

A much branched scandent shrub with white flowers.

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

Flemingia tuberosa Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 34. 1850; Baker in Hook. f. Fl. Brit. India 2 : 230. 1876.

A perennial herb with tuberous roots.

Distrib.: Nilgiri.

Flemingia wallichii Wight & Arn. Prodr. 242. 1834; Baker in Hook. f. Fl. Brit. India 2 : 229. 1876; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.).

An erect shrub with yellow glands and purple flowers.

Distrib.: Coimbatore, Nilgiri.

Flemingia wightiana Graham ex Wight & Arn. Prodr. 242. 1834; Gamble, Fl. Pres. Madras 1 : 267. 1957 (repr. ed.). *F. congesta* Roxb. var. *wightiana* (Graham ex Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 229. 1876.

An erect shrub.

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

Galactia longifolia Benth. in Ann. Wiener Mus. Naturgesch. 2 : 127. 1838; Wight, Ic. t. 482. 1841; Gamble, Fl. Pres. Madras 1 : 252. 1957 (repr. ed.). *G. tenuiflora* (Klein ex Willd.) Wight & Arn. var. *lucida* Baker in Hook. f. Fl. Brit. India 2 : 192. 1876.

A slender climber.

Distrib.: In most of the districts.

Galactia tenuiflora (Klein ex Willd.) Wight & Arn. Prodr. 206. 1834; Baker in Hook. f. Fl. Brit. India 2 : 192. 1876; Gamble, Fl. Pres. Madras 1 : 251. 1957 (repr. ed.). *Glycine tenuiflora* Klein ex Willd. Sp. Pl. 3 : 1059. 1802.

A slender wiry climber.

Distrib.: Chengalpattu, Coimbatore, Madurai, South Arcot, Thanjavur, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Galactia villosa Wight & Arn. Prodr. 207. 1834; Gamble, Fl. Pres. Madras 1 : 252. 1957 (repr. ed.). *G. tenuiflora*

(Klein ex Willd.) Wight & Arn. var. *villosa* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 192. 1876.

A slender climber with large leaflets.

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

Geissaspis cristata Wight & Arn. Prodr. 218. 1834; Bedd. Ic. t. 293. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 141. 1876; Gamble, Fl. Pres. Madras 1 : 229. 1957 (repr. ed.).

A slender herb with long ciliate imbricate bracts.

Distrib.: Tirunelveli. R.

Gliricidia sepium (Jacq.) Kunth ex Walp. Rep. 1 : 679. 1842. *Robinia sepium* Jacq. Enum. Pl. Carib. 28. 1760.

A deciduous tree, cultivated as a green manure plant on the bunds of fields and in edges of gardens. E.

Glycine max (L.) Merr. Interpr. Rumph. Herb. Amboin. 274. 1917. *Phaseolus max* L. Sp. Pl. 725. 1753. *Glycine soja* sensu Baker in Hook. f. Fl. Brit. India 2 : 184. 1876, non Sieb. & Zucc. 1845.

A suberect herb, densely covered with ferruginous hairs, cultivated for its seeds.

Goniogyna hirta (Willd.) Ali in Taxon 16 : 463. 1967. *Hallia hirta* Willd. Sp. Pl. 3 : 1169. 1802. *Heylandia latebrosa* sensu Baker in Hook. f. Fl. Brit. India 2 : 65. 1876, non (L.) DC. 1825; Gamble, Fl. Pres. Madras 1 : 199. 1957 (repr. ed.).

A prostrate branched herb.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Ramanathapuram, Tirunelveli; Salem and South Arcot (Matthew 1981).

Hardenbergia comptoniana (Link) Benth. in Enum. Pl. Hueg. 41. 1837; Matthew in Rec. Bot. Surv. India 20(1) : 75. 1969. *Kennedyia comptoniana* Link, Enum. Pl. Hort. Berol. 2 : 235. 1822.

A glabrous twiner with violet flowers, introduced.

Indigofera aspalathoides Vahl ex DC. Prodr. 2 : 231. 1825; Wight, Ic. t. 332. 1840; Baker in Hook. f. Fl. Brit. India 2 : 94. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

A spreading silvery hairy herb.

Distrib.: Almost all districts.

Indigofera astragalina DC. Prodr. 2:228. 1825. *I. hirsuta* sensu Baker in Hook. f. Fl. Brit. India 2 : 98. 1876 p.p., non L. 1753; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.) p.p.

An erect branched herb.

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

Indigofera barberi Gamble in Kew Bull. 1918: 222. 1918 & Fl. Pres. Madras 1 : 219. 1957 (repr. ed.).

An erect undershrub.

Distrib.: Salem (Gamble 1957), South Arcot. O.R.

Indigofera caerulea Roxb. Fl. Ind. 3 : 377. 1832; Wight, Ic. t. 366. 1840. *I. argentea* L. var. *caerulea* (Roxb.) Baker in Hook. f. Fl. Brit. India 2 : 99. 1876. *I. articulata* sensu Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.), non Gouan. 1919.

An erect shrub.

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

Indigofera cassioides Rottl. ex DC. Prodr. 2 : 225. 1825. *I. pulchella* auct. non Roxb. 1832; Baker in Hook. f. Fl. Brit. India 2 : 101. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 119. 1932; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.).

Tamil: *Narina*.

A deciduous grey pubescent shrub with pink flowers.

Distrib.: Coimbatore, Dharmapuri (Matthew 1981), Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli.

Indigofera colutea (Burm. f.) Merr. in Philipp. J. Sci. 19 : 355. 1921; Gillett in Kew Bull. 24 : 484. 1970. *Galega colutea* Burm. f. Fl. Ind. 172. 1768. *Indigofera viscosa* Lam. Encycl. 3 : 247. 1789; Wight, Ic. t. 404. 1840; Baker in Hook. f. Fl. Brit. India 2 : 95. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

A small viscous pubescent shrub.

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

Indigofera cordifolia Heyne ex Roth, Nov. Pl. Sp. 357. 1821; Baker in Hook. f. Fl. Brit. India 2 : 93. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

A prostrate herb in stony ground and black cotton soil.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem, Tiruchchirappalli.

Indigofera glabra L. Sp. Pl. 751. 1753; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.). *I. pentaphylla* Murr. Syst. Veg. ed. 13. 564. 1774; Wight, Ic. t. 385. 1840; Baker in Hook. f. Fl. Brit. India 2 : 95. 1876.

A small undershrub.

Distrib.: Chengalpattu, Dharmapuri, North Arcot, Salem.

Indigofera glandulosa Roxb. ex Willd. Sp. Pl. 3 : 1227. 1803; Wight, Ic. t. 330. 1840; Baker in Hook. f. Fl. Brit. India 2 : 94. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

An annual herb.

Distrib.: Coimbatore, Salem, South Arcot (Matthew 1981), Tiruchchirappalli (RHT), Tirunelveli.

Indigofera hirsuta L. Sp. Pl. 751. 1753; Baker in Hook. f. Fl. Brit. India 2 : 96. 1876; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.).

A pubescent herb with long peduncled inflorescence.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, North Arcot, Pudukkottai, Tiruchchirappalli (RHT), Tirunelveli; Salem and South Arcot (Matthew 1981).

Indigofera hochstetteri Baker in Oliver, Fl. Trop. Africa 2 : 101. 1871; Chandrase in Bull. Bot. Surv. India 10 : 243. 1968. *I. anabaptista* Steud. ex Baker in Hook. f. Fl. Brit. India 2 : 102. 1876; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.).

An introduced diffuse annual weed.

Distrib.: Coimbatore.

Indigofera karnatakana Sanjappa in Taxon 32 : 120. 1983. *I. tenuifolia* Rottl. ex Wight & Arn. Prodr. 200. 1834, non Lam. 1789; Baker in Hook. f. Fl. Brit. India 2 : 95. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

A diffuse herb with spreading branches.

Distrib.: Chengalpattu.

Indigofera karuppiana Pallithanam in J. Bombay Nat. Hist. Soc. 73 : 239. 1976. *I. vestita* Baker in Hook. f. Fl. Brit. India 2 : 96. 1876, non Harney 1859-1865; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.).

A pubescent herb.

Distrib.: Coimbatore, Madurai (Baker 1876), Nilgiri.

Indigofera linifolia (L.f.) Retz. Obs. Bot. 4 : 29. 1786; Wight, Ic. t. 313. 1840; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.). *Hedysarum linifolium* L.f. Suppl. Pl. 331. 1781.

A prostrate annual herb.

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

Indigofera linnaei Ali in Bot. Not. 111 (3) : 549. 1958. *I. enneaphylla* L. Mant. Pl. 2 : 272. 1771, nom. illeg.; Wight, Ic. t. 403. 1840; Baker in Hook. f. Fl. Brit. India 2 : 94. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

A trailing, profusely branched herb.

Distrib.: In most of the districts.

Indigofera longeracemosa Boiv. ex Baill. in Bull. Mens. Soc. Linn. Paris 1 : 299. 1883; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

A slender shrub with woody branches.

Distrib.: Kanniyakumari, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Indigofera marginulata Graham ex Wight & Arn. Prodr. 204. 1834; Baker in Hook. f. Fl. Brit. India 2 : 97. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

An undershrub.

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

Indigofera mysorensis Rottl. ex DC. Prodr. 2 : 222. 1825; Baker in Hook. f. Fl. Brit. India 2 : 102. 1876; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.).

A glutinous shrub in the crevices of rocks.

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

Indigofera nummularifolia (L.) Livera ex Alston in Trimen Handb. Fl. Ceylon 6 (Suppl.) : 72. 1931. *Hedysarum nummularifolium* L. Sp. Pl. 746. 1753. *Indigofera echinata* Willd. Sp. Pl. 3 : 1222. 1802; Wight, Ic. t. 316. 1840; Baker in Hook. f. Fl. Brit. India 2 : 92. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

An annual herb.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981).

Indigofera oblongifolia Forsk. Fl. Aeg. Arab. 137. 1775; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.). *I. paucifolia* Del. Descr. Egypt. Hist. Nat. 251. 1812; Wight, Ic. t. 331. 1840; Baker in Hook. f. Fl. Brit. India 2 : 97. 1876.

A shrub with woody branches.

Distrib.: Ramanathapuram, Thanjavur, Tirunelveli.

Indigofera parviflora Heyne ex Wight & Arn. Prodr. 201. 1834; Baker in Hook. f. Fl. Brit. India 2 : 97. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

An annual herb.

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

Indigofera pedicellata Wight & Arn. Prodr. 200. 1834; Wight, Ic. t. 983. 1845; Baker in Hook. f. Fl. Brit. India 2 : 95. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 118. 1932; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

An undershrub with slender branches.

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

Indigofera spicata Forsk. Fl. Aeg. Arab. 138. 1775. *I. endecaphylla* Jacq. Ic. Pl. Rar. 3(3) : t. 570. 1789, "*hendecaphylla*"; Baker in Hook. f. Fl. Brit. India 2 : 98. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

An annual herb with branching stem; flowers purple.

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

Indigofera stachyodes Lindl. in Edward's Bot. Reg. t. 14. 1843. *I. dosua* Buch. Ham. var. *tomentosa* Baker in Hook. f. Fl. Brit. India 2 : 102. 1876.

A small shrub.

Distrib.: Nilgiri, probably cultivated.

Indigofera suffruticosa Mill. Gard. Dict. ed. 8. n. 2. 1768.

A branched undershrub; cultivated as a substitute for *I. tinctoria* L. in Madras (Wealth of India 1959).

Indigofera tinctoria L. Sp. Pl. 751. 1753; Wight, Ic. t. 365. 1840; Baker in Hook. f. Fl. Brit. India 2 : 99. 1876; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.). *I. sumatrana* Gaertn. Fruct. 2 : 317. t. 148. f. 4. 1791; Gamble, Fl. Pres. Madras 1 : 220. 1957 (repr. ed.).

A procumbent appressed hairy herb, sometimes with ascending branches.

Tamil: *Averi*.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Ramanathapuram, South Arcot, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Indigofera tirunelvelica Sanjappa in J. Bombay Nat. Hist. Soc. 79 : 647. 1982 (1983).

An annual erect herb, pods flattened, wingless, sharply beaked.

Distrib.: Tirunelveli.

Indigofera trifoliata L. Cent. Pl. 2 : 29. 1756; Wight, Ic. t. 314. 1840; Baker in Hook. f. Fl. Brit. India 2 : 96. 1876; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.). *I. prostrata* Willd. Sp. Pl. 3 : 1226. 1803; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.).

An undershrub with long branches.

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

Indigofera trita L.f. Suppl. Pl. 335. 1781, subsp. *trita*; Wight, Ic. tt. 315 & 386. 1840; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.).

A woody herb.

Distrib.: In most of the districts.

Indigofera trita L. f. subsp. *subulata* (Vahl ex Poir.) Ali in Bot. Not. 111 (3) : 558. 1958. *I. subulata* Vahl ex Poir. in Lam. Encycl. Suppl. 3 : 150. 1813; Wight, Ic. t. 387. 1840; Baker in Hook. f. Fl. Brit. India 2 : 96. 1876; Gamble, Fl. Pres. Madras 1 : 219. 1957 (repr. ed.).

A stiff greyish undershrub.

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

Indigofera uniflora Buch.-Ham. ex Roxb. Fl. Ind. 3 : 374. 1832; Wight, Ic. t. 333. 1840; Baker in Hook. f. Fl. Brit. India 2 : 94. 1876; Gamble, Fl. Pres. Madras 1 : 218. 1957 (repr. ed.).

A much branched prostrate perennial herb.

Distrib.: Coimbatore.

Indigofera vicioides Jaub. & Spach, Ill. Pl. Or. t. 481. 1856; Sreemadh. in Sci. & Cult. 33 : 406. 1967. *I. tenuifolia* sensu Ramaswamy in Rec. Bot. Surv. India 6 : 123. 1914, non Rottl. ex Wight & Arn. 1834.

A decumbent, ramous, herb with red flowers.

Distrib.: Coimbatore, Tirunelveli.

Indigofera wightii Graham ex Wight & Arn. Prodr. 202. 1834; Baker in Hook. f. Fl. Brit. India 2 : 99. 1876; Gamble, Fl. Pres. Madras 1 : 221. 1957 (repr. ed.).

A stiff silvery pubescent shrub.

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

Lablab purpureus (L.) Sweet, Hort. Brit. ed. 1. 481. 1827, var. **purpureus**; Verdc. in Kew Bull. 24:410. 1970. *Dolichos purpureus* L. Sp. Pl. ed. 2. 1021. 1763. *D. lablab* L. Sp. Pl. 725. 1753; Baker in Hook. f. Fl. Brit. India 2 : 209. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 259. 1957 (repr. ed.).

Tamil: *Avarai*.

A climber cultivated for its pods; also run wild.

Lablab purpureus (L.) Sweet var. **lignosus** (Prain) Kumari comb. nov. *Dolichos lablab* L. var. **lignosus** Prain in J. Asiat. Soc. Bengal 66 : 347. 1897; Gamble, Fl. Pres. Madras 1 : 259. 1957 (repr. ed.).

Tamil: *Mochai*.

A semierect, bushy, perennial herb, cultivated.

Laburnum anagyroides (L.) Medicus in Vorles Churpfalz. Phys. - Oecon. Ges. 2 : 363. 1787; Matthew in Rec. Bot. Surv. India 20 (1) : 71. 1969. *Cytisus laburnum* L. Sp. Pl. 739. 1753.

A deciduous shrub or small tree with yellow flowers, cultivated in the hills.

Lathyrus aphaca L. Sp. Pl. 729. 1753; Baker in Hook. f. Fl. Brit. India 2 : 179. 1876; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

Commonly found as a weed in hill stations.

Lathyrus latifolius L. Sp. Pl. 733. 1753.

A herb in gardens.

Lathyrus odoratus L. Sp. Pl. 732. 1753.

A herb, cultivated.

Lathyrus sativus L. Sp. Pl. 730. 1753; Baker in Hook. f. Fl. Brit. India 2 : 179. 1876; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

An annual herb with winged stems; cultivated. E.

Lens culinaris Medicus in Vorles. Churpfalz. Phys. - Oecon. Ges. 2 : 361. 1787. *L. esculenta* Moench, Meth. 136. 1794; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

A herb, cultivated. E.

Leptodesmia congesta (Wight) Benth. ex Baker in Hook. f. Fl. Brit. India 2 : 152. 1876; Gamble, Fl. Pres. Madras 1 : 235. 1957 (repr. ed.). *Nicolsonia congesta* Wight, Ic. 1. 1056. 1846.

A perennial trailing herb.

Distrib.: Madurai, Nilgiri (Gamble 1957).

Lespedeza sericea (Thunb.) Miq. in Ann. Mus. Bot. Lugduno - Batavum 3 : 49. 1864; Baker in Hook. f. Fl. Brit. India 2 : 142. 1876; Gamble, Fl. Pres. Madras 1 : 230. 1957 (repr. ed.). *Hedysarum sericeum* Thunb. Fl. Jap. 289. 1784.

An erect undershrub in rocky places.

Distrib.: Madurai, Nilgiri.

Lupinus angustifolius L. Sp. Pl. 721. 1753.

A bushy annual with small blue flowers, introduced.

Lupinus luteus L. Sp. Pl. 722. 1753.

An undershrub with yellow flowers; grown for green manure and for ornamentation. E.

Macroptilium atropurpureum (DC.) Urban, Symb. Antill. 9 : 452. 1928; Subba Rao & Gopalan in J. Bombay Nat. Hist. Soc. 77 : 357. 1980. *Phaseolus atropurpureus* DC. Prodr. 2 : 395. 1825.

A slender, creeping, grey tomentose herb with purple flowers.

Distrib.: Coimbatore.

Macroptilium lathyroides (L.) Urban var. *semierectum* (L.) Urban, Symb. Antill. 9 : 457. 1928. *Phaseolus semierectus* L. Mant. Pl. 100. 1767; Baker in Hook. f. Fl. Brit. India 2 : 201. 1876; Gamble, Fl. Pres. Madras 1 : 255. 1957 (repr. ed.).

An annual herb.

Distrib.: Chengalpattu.

Macrotyloma ciliatum (Willd.) Verdc. in Kew Bull. 24 : 404. 1970. *Dolichos ciliatus* Willd. Sp. Pl. 3 : 1049. 1807; Baker in Hook. f. Fl. Brit. India 2 : 210. 1876; Gamble, Fl. Pres. Madras 1 : 259. 1957 (repr. ed.).

A slender twiner with ciliate leaves.

Distrib.: Chengalpattu (Gamble 1957).

Medicago polymorpha L. Sp. Pl. 779. 1753. *M. hispida* Gaertn. Fruct. 2 : 349. 1791. *M. denticulata* Willd. Sp. Pl. 3 : 1414. 1802; Baker in Hook. f. Fl. Brit. India 2 : 90. 1876.

An annual, semierect or prostrate, with very small yellow flowers in compact heads.

Distrib.: Chengalpattu (Wealth of India 1962).

Medicago sativa L. Sp. Pl. 778. 1753; Baker in Hook. f. Fl. Brit. India 2 : 90. 1876; Gamble, Fl. Pres. Madras 1 : 215. 1957 (repr. ed.).

An erect herb, cultivated as fodder. E.

Melilotus alba Desv. in Lam. Encycl. 4 : 63. 1796; Baker in Hook. f. Fl. Brit.

India 2 : 89. 1876; Gamble, Fl. Pres. Madras 1 : 215. 1957 (repr. ed.).

A cultivated biennial herb.

Melilotus indica (L.) All. Fl. Pedem. 1 : 308. 1875; Gamble, Fl. Pres. Madras 1 : 215. 1957 (repr. ed.). *Trifolium indicum* L. Sp. Pl. 765. 1753. *Melilotus parviflora* Desf. Fl. Atlant. 2 : 192. 1799; Baker in Hook. f. Fl. Brit. India 2 : 89. 1876.

An erect, branched annual herb.

Distrib.: "Eastern coast districts" (Gamble 1957).

Millettia racemosa (Wight & Arn.) Benth. in Miq. Pl. Jungh. 249. 1852; Baker in Hook. f. Fl. Brit. India 2 : 105. 1876; Gamble, Fl. Pres. Madras 1 : 227. 1957 (repr. ed.). *Tephrosia racemosa* Wight & Arn. Prodr. 210. 1834.

A large woody climber.

Distrib.: Coimbatore, Tiruchchirappalli (RHT).

Millettia rubiginosa Wight & Arn. Prodr. 263. 1834; Wight, Ic. t. 207. 1839; Baker in Hook. f. Fl. Brit. India 2 : 104. 1876; Gamble, Fl. Pres. Madras 1 : 227. 1957 (repr. ed.).

A huge climbing herb.

Distrib.: Tirunelveli.

Millettia splendens Wight & Arn. Prodr. 263. 1834; Bedd. Ic. t. 295. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 104. 1876; Gamble, Fl. Pres. Madras 1 : 227. 1957 (repr. ed.).

A large climbing shrub.

Distrib.: Coimbatore (Gamble 1957), Nilgiri.

Mucuna atropurpurea DC. Prodr. 2 : 406. 1825; Baker in Hook. f. Fl. Brit. India 2 : 186. 1876; Gamble, Fl. Pres. Madras 1 : 251. 1957 (repr. ed.).

A woody climber with 2 seeded pods.

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

Mucuna gigantea (Willd.) DC. Prodr. 2 : 405. 1825; Wight in Bot. Misc. 2 : 351. Suppl. t. 14. 1831; Baker in Hook. f. Fl. Brit. India 2 : 186. 1876. *Dolichos gigantea* Willd. Sp. Pl. 3 : 1041. 1802.

A woody climber in sandy soils.

Distrib.: Coimbatore.

Mucuna hirsuta Wight & Arn. Prodr. 254. 1834; Baker in Hook. f. Fl. Brit. India 2 : 187. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 129. 1932; Gamble, Fl. Pres. Madras 1 : 251. 1957 (repr. ed.).

A huge climber.

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

Mucuna monosperma DC. ex Wight in Bot. Misc. 2 : 346. Suppl. t. 12. 1831; Baker in Hook. f. Fl. Brit. India 2 : 185. 1876; Gamble, Fl. Pres. Madras 1 : 251. 1957 (repr. ed.).

Tamil: *Periyattalargai, Thelu-kodi*.

A large woody climber with long corymbose racemes of purple flowers.

Distrib.: Coimbatore, Tiruchchirappalli (Matthew 1981).

Mucuna nivea DC. Prodr. 2 : 406. 1825; Baker in Hook. f. Fl. Brit. India 2 : 188. 1876.

The velvet bean plant.

Distrib.: Madurai.

Mucuna pruriens (L.) DC. Prodr. 2 : 405. 1825; Baker in Hook. f. Fl. Brit. India 2 : 189. 1876. *Dolichos pruriens* L. Herb. Amb. 23. 1754. *Mucuna prurita* Hook. Bot. Misc. 2 : 348. 1831; Gamble, Fl. Pres. Madras 1 : 251. 1957 (repr. ed.).

Tamil: *Poonaykali, Naikurni*.

A slender climber.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Thanjavur, Tirunelveli; Salem and Tiruchchirappalli (Matthew 1981).

Mundulea sericea (Willd.) A. Cheval. in Compt. Rend. 180 : 1521. 1925. *Cytinus*

sericeus Willd. Sp. Pl. 3 : 1121. 1802. *Mundulea suberosa* (DC.) Benth. in Miq. Pl. Jungh. 248. 1852; Baker in Hook. f. Fl. Brit. India 2 : 110. 1876; Gamble, Fl. Pres. Madras 1 : 222. 1957 (repr. ed.). *Tephrosia suberosa* DC. Prodr. 2 : 249. 1825; Wight, Ill. 1 : t. 79. 1840.

Tamil: *Pilavarum*.

A small tree.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Neonotonia wightii (Graham ex Wight & Arn.) Lackey in Phytologia 37 : 209-212. 1977, var. *wightii*. *Notonia wightii* Graham ex Wight & Arn. Prodr. 208. 1834. *Glycine javanica* auct. non L. 1753; Baker in Hook. f. Fl. Brit. India 2 : 183. 1876; Gamble, Fl. Pres. Madras 1 : 248. 1957 (repr. ed.). *Glycine wightii* (Graham ex Wight & Arn.) Verdc. in Taxon 15 : 35. 1966.

A climbing pubescent herb.

Distrib.: In most of the districts.

Neonotonia wightii (Wight & Arn.) Lackey var. *coimbatorensis* (Ajita Sen) Karthik. in Indian J. For. 4 : 65. 1981. *Glycine wightii* Verdc. var. *coimbatorensis* Ajita Sen in J. Bombay Nat. Hist. Soc. 74 : 330. f. 1. 1977 (1978).

A climber with white flowers.

Distrib.: Coimbatore, Salem.

Ormocarpum cochinchinense (Lour.) Merr. in Philipp. J. Sci. 5 : 76. 1910. *Diphaca cochinchinensis* Lour. Fl. Cochinch. 454. 1790. *Ormocarpum sennoides* (Willd.) DC. Prodr. 2 : 375. 1825; Wight, Ic. t. 297. 1840; Baker in Hook. f. Fl. Brit. India 2 : 152. 1876; Gamble, Fl. Pres. Madras 1 : 234. 1957 (repr. ed.). *Hedysarum sennoides* Willd. Sp. Pl. 3 : 1207. 1802.

Tamil: *Kattumurungai*.

A small shrub.

Distrib.: Chengalpattu, Coimbatore, North Arcot, (Gamble 1957), Pudukko-

ttai (RHT), Ramanathapuram, South Arcot (Matthew 1981), Tiruchchirappalli, Tirunelveli.

Ormosia travancorica Bedd. Fl. Sylv. t. 45. 1870; Baker in Hook. f. Fl. Brit. India 2 : 253. 1876; Gamble, Fl. Pres. Madras 1 : 275. 1957 (repr. ed.).

Tamil: *Malai Manchedi*.

A lofty tree.

Distrib.: Coimbatore, Tirunelveli.

Ougeinia oojeinensis (Roxb.) Hochr. in Bull. Soc. Bot. Geneve 13 & 14 : 51. 1909. *Dalbergia oojeinensis* Roxb. Fl. Ind. 3 : 220. 1832; Wight, Ic. t. 391. 1840. *Ougeinia dalbergioides* Benth. in Miq. Pl. Jungh. 216. 1852; Baker in Hook. f. Fl. Brit. India 2 : 161. 1876; Gamble, Fl. Pres. Madras 1 : 240. 1957 (repr. ed.).

A medium-sized tree.

Distrib.: Nilgiri.

Paracalyx scariosa (Roxb.) Ali in Univ. Studies Karachi 5 : 95. 1968. *Cylista scariosa* Roxb. Pl. Cor. t. 92. 1795; Wight, Ic. t. 1597. 1850; Baker in Hook. f. Fl. Brit. India 2 : 219. 1876; Gamble, Fl. Pres. Madras 1 : 262. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Coimbatore, Nilgiri, Salem, Tirunelveli.

Parochetus communis Buch. Ham. ex D. Don, Prodr. Fl. Nep. 240. 1825; Baker in Hook. f. Fl. Brit. India 2 : 86. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 117. 1932; Gamble, Fl. Pres. Madras 1 : 214. 1957 (repr. ed.).

A trailing slender herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Phaseolus coccineus L. Sp. Pl. 724. 1753. *P. multiflorus* Lam. Encycl. 3 : 70. 1789; Baker in Hook. f. Fl. Brit. India 2 : 200. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

An ornamental climber, cultivated in the hills.

Phaseolus lunatus L. Sp. Pl. 724. 1753; Baker in Hook. f. Fl. Brit. India 2 : 200. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

A climber, cultivated for its beans. E.

Pisum sativum L. Sp. Pl. 727. 1753; Baker in Hook. f. Fl. Brit. India 2 : 181. 1876; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

Tamil: *Pattani*.

An annual herb with white flowers, cultivated. E.

Pongamia pinnata (L.) Pierre, Fl. For. Cochinck. t. 385. 1899. *Cytisus pinnatus* L. Sp. Pl. 741. 1753. *Pongamia glabra* Vent. Jard. Mal. t. 28. 1803; Wight, Ic. t. 59. 1838; Baker in Hook. f. Fl. Brit. India 2 : 240. 1876; Gamble, Fl. Pres. Madras 1 : 272. 1957 (repr. ed.). *Derris indica* (Lam.) Bennett in J. Bombay Nat. Hist. Soc. 68 : 303. 1971. *Galedupa indica* Lam. Encycl. 2 : 594. 1788.

Tamil: *Ponga, Pongan*.

A moderate sized tree with woody glabrous pod; common on the banks of rivers and streams.

Distrib.: In most of the districts.

Pseudarthria viscida (L.) Wight & Arn. Prodr. 209. 1834; Wight, Ic. t. 286. 1840; Baker in Hook. f. Fl. Brit. India 2 : 154. 1876; Gamble, Fl. Pres. Madras 1 : 236. 1957 (repr. ed.). *Hedysarum viscidum* L. Sp. Pl. 747. 1753.

A viscid-pubescent, climbing shrub.

Distrib.: In most of the districts.

Psophocarpus tetragonolobus DC. Prodr. 2 : 403. 1825; Baker in Hook. f. Fl. Brit. India 2 : 211. 1876.

A climber with 4-winged fruits, cultivated for its pods.

Psoralea corylifolia L. Sp. Pl. 764. 1753; Baker in Hook. f. Fl. Brit. India 2 : 103. 1876; Gamble, Fl. Pres. Madras 1 : 222. 1957 (repr. ed.).

An erect annual weed.

Distrib.: Chengalpattu, Ramanathapuram, Salem, Tiruchchirappalli.

Tamil: *Karpogam*, *Karboka arisi*.

Psoralea pinnata L. Sp. Pl. 762. 1753, Gamble, Fl. Pres. Madras 1 : 222. 1957 (repr. ed.).

An annual herb, somewhat established in hill stations.

Pterocarpus indicum Willd. Sp. Pl. 3 : 904. 1802; Baker in Hook. f. Fl. Brit. India 2 : 238. 1876.

A moderate-sized tree; cultivated.

Pterocarpus marsupium Roxb. Pl. Cor. t. 116. 1799; Bedd. Fl. Sylv. t. 21. 1869; Baker in Hook. f. Fl. Brit. India 2 : 239. 1876; Gamble, Fl. Pres. Madras 1 : 271. 1957 (repr. ed.).

Tamil: *Vengai*.

A large deciduous tree.

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

Pterocarpus santalinus L. f. Suppl. Pl. 318. 1781; Bedd. Fl. Sylv. t. 22. 1869; Baker in Hook. f. Fl. Brit. India 2 : 239. 1876; Gamble, Fl. Pres. Madras 1 : 274. 1957 (repr. ed.).

Tamil: *Sivappu chandunam*.

A moderate-sized tree with hard wood.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), Salem (Fyson 1932). E.

Pueraria phascoloides (Roxb.) Benth. in J. Linn. Soc. Bot. 9 : 125. 1865; Baker in Hook. f. Fl. Brit. India 2 : 199. 1876. *Dolichos phaseoloides* Roxb. Fl. Ind. 3 : 316. 1832.

A woody twining climber, clothed with dense spreading brown hairs, with light lavender, often with whitish fringed flowers.

Distrib.: Coimbatore (Wealth of India 1969).

Pueraria triloba (Lour.) Makino in Jinuma, Somoku-Dzusesu ed. 3. 13 : 1. 22. 1912. *Dolichos trilobus* Lour. Fl. Cochinch. 535. 1790.

A large climbing shrub.

Distrib.: Nilgiri.

Pueraria tuberosa DC. Prodr. 2 : 240. 1825; Wight, Ic. t. 412. 1840; Baker in Hook. f. Fl. Brit. India 2 : 197. 1876; Gamble, Fl. Pres. Madras 1 : 254. 1957 (repr. ed.).

A large climber with tuberous roots.

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

Pycnospora lutescens (Poir.) Schind. in J. Bot. 64 : 145. 1926. *Hedysarum lutescens* Poir. in Lam. Encycl. 6 : 417. 1805. *Pycnospora hedysaroides* R. Br. ex Baker in Hook. f. Fl. Brit. India 2 : 153. 1876; Gamble, Fl. Pres. Madras 1 : 235. 1957 (repr. ed.).

A perennial herb with trailing stems.

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

Rhynchosia albiflora (Sims) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 85. 1931. *Cylista albiflora* Sims in Bot. Mag. t. 1859. 1816. *Rhynchosia cyanosperma* Benth. in Oliver, Fl. Trop. Africa 2 : 218. 1871; Baker in Hook. f. Fl. Brit. India 2 : 222. 1876; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.).

A woody climber.

Distrib.: Coimbatore, Nilgiri, North Arcot, Tiruchchirappalli, Tirunelveli (UCT); Dharmapuri and South Arcot (Matthew 1981).

Rhynchosia aurea (Willd.) DC. Prodr. 2 : 386. 1825; Baker in Hook. f. Fl. Brit. India 2 : 221. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.). *Glycine aurea* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 218. 1803.

A trailing annual herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, North Arcot, Salem (Matthew 1981), South Arcot.

Rhynchosia cana DC. Prodr. 2 : 386. 1825; Baker in Hook. f. Fl. Brit. India 2 : 222. 1876; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.).

A glandular undershrub.

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

Rhynchosia capitata DC. Prodr. 2 : 386. 1825; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.). *R. aurea* sensu Baker in Hook. f. Fl. Brit. India 2 : 221. 1876 p.p., non DC. 1825. *Nomismia capitata* (DC.) Wight & Arn. Prodr. 237. 1834; Wight, Ic. t. 295. 1840.

A slender climber.

Distrib.: Coimbatore, Nilgiri, South Arcot.

Rhynchosia densiflora (Roth) DC. Prodr. 2 : 386. 1825; Baker in Hook. f. Fl. Brit. India 2 : 226. 1876; Gamble, Fl. Pres. Madras 1 : 265. 1957 (repr. ed.); Verdc. in Kew Bull. 25 : 72. 1971. *Glycine densiflora* Roth, Nov. Pl. Sp. 348. 1821.

A villous twiner.

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

Rhynchosia filipes Benth. in Linnaea 24 : 644. 1851; Baker in Hook. f. Fl. Brit. India 2 : 221. 1876; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.).

A slender trailing undershrub.

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

Rhynchosia heynei Wight & Arn. Prodr. 240. 1834; Baker in Hook. f. Fl. Brit. India 2 : 220. 1876; Gamble, Fl. Pres. Madras 1 : 263. 1957 (repr. ed.). *R. codorensis* Bedd. Ic. t. 297. 1868-1874.

A herbaceous trailing undershrub with yellow flowers.

Distrib.: Nilgiri (Baker 1876).

Rhynchosia jacobii Chandrabose & Shetty in Bull. Bot. Surv. India 15 : 139. 1973 (1976).

A trailing herb with yellow flowers.

Distrib.: Tirunelveli.

Rhynchosia minima (L.) DC. Prodr. 2 : 385. 1825; Baker in Hook. f. Fl. Brit. India 2 : 223. 1876 incl. var. *laxiflora* (Camb.) Baker; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.). *Dolichos minimus* L. Sp. Pl. 726. 1753.

An annual climber.

Distrib.: Almost all districts.

Rhynchosia nummularia DC. Prodr. 2 : 238. 1825; Baker in Hook. f. Fl. Brit. India 2 : 221. 1876; Gamble, Fl. Pres. Madras 1 : 263. 1957 (repr. ed.). *Nomismia nummularia* (DC.) Wight & Arn. Prodr. 237. 1834; Wight, Ic. t. 283. 1840.

Tamil: *Kodi avarai*.

An annual herb used as fodder.

Distrib.: Tirunelveli, E.

Rhynchosia rothii Benth. ex Aitch. Cat. Pl. Punjab & Sindh. 50. 1869. *R. sericea* Span. in Linnaea 15 : 195. 1841, non Hook. & Arn. 1833; Baker in Hook. f. Fl. Brit. India 2 : 225. 1876; Gamble, Fl. Pres. Madras 1 : 265. 1957 (repr. ed.).

A climbing shrub.

Distrib.: Madurai, Nilgiri.

Rhynchosia rufescens (Willd.) DC. Prodr. 2 : 387. 1825; Baker in Hook. f. Fl. Brit. India 2 : 220. 1876; Gamble, Fl. Pres. Madras 1 : 263. 1957 (repr. ed.). *Glycine rufescens* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 222. 1803.

An erect shrub with trailing branches.

Distrib.: In most of the districts.

Rhynchosia suaveolens (L. f.) DC. Prodr. 2 : 387. 1825; Baker in Hook. f. Fl. Brit. India 2 : 221. 1876; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.). *Glycine suaveolens* L. f. Suppl. Pl. 326. 1781.

A viscous hairy undershrub in dry forest areas.

Distrib.: Coimbatore, North Arcot, Pudukkottai (RHT), Ramanathapuram, Salem; Dharmapuri and South Arcot (Matthew 1981).

Rhynchosia velutina Wight & Arn. Prodr. 238. 1834; Baker in Hook. f. Fl. Brit. India 2 : 224. 1876; Gamble, Fl. Pres. Madras 1 : 264. 1957 (repr. ed.).

A trailing herb.

Distrib.: Nilgiri (Baker 1876), Thanjavur, Tirunelveli (Gamble 1957). R.

Rhynchosia viscosa (Roth) DC. Prodr. 2 : 387. 1825; Baker in Hook. f. Fl. Brit. India 2 : 225. 1876; Gamble, Fl. Pres. Madras 1 : 265. 1957 (repr. ed.). *Glycine viscosa* Roth, Nov. Pl. Sp. 349. 1821.

A climber at low elevations.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Salem (Gamble 1957), South Arcot (Matthew 1981), Tirunelveli.

Robinia pseudo-acacia L. Sp. Pl. 722. 1753; Matthew in Rec. Bot. Surv. India 20(1) : 68. 1969.

A deciduous tree with stipular spines on young branches, grown in the hills.

***Rothia indica** (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3 : 423. 1914. *Trigonella indica* L. Sp. Pl. 778. 1753. *Rothia trifoliata* (Roth) Pers. Syn. 2 : 302. 1807; Wight, Ic. t. 199. 1839; Baker in Hook. f. Fl. Brit. India 2 : 63. 1876; Gamble, Fl. Pres. Madras 1 : 199. 1957 (repr. ed.). *Dillwynia trifoliata* Roth, Cat. Bot. 3 : 71. 1806.

An annual branched herb.

Distrib.: In most of the districts.

Sarothamnus scoparius (L.) W. D. J. Koch, Syn. Fl. Germ. Helv. ed. 1. 152.

* Prepared by C. P. Malathi.

1837; Matthew in Rec. Bot. Surv. India 20(1) : 72. 1969. *Spartium scoparium* L. Sp. Pl. 709. 1753. *Cytisus scoparium* (L.) Link, Enum. Pl. Hort. Berol. 2 : 241. 1823; Fyson, Fl. South Indian Hill St. 2 : t. 104. 1932.

An erect slender shrub with yellow flowers, naturalised in hill stations.

Sesbania bispinosa (Jacq.) W. F. Wight in U.S.D.A. Bur. Pl. Industr. Bull. 137 : 15. 1909. *Aeschynomene bispinosa* Jacq. Ic. Pl. Rar. 3 : t. 564. 1792. *Sesbania aculeata* (Willd.) Poir. in Lam. Encycl. 7 : 128. 1806 p.p., "*Sesban aculeatus*"; Baker in Hook. f. Fl. Brit. India 2 : 114. 1876; Gamble, Fl. Pres. Madras 1 : 228. 1957 (repr. ed.). *Coronilla aculeata* Willd. Sp. Pl. 3 : 1147. 1802.

A branching soft wooded prickly shrub.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Salem, Thanjavur, Tiruchchirappalli.

Sesbania grandiflora (L.) Poir. in Lam. Encycl. 7 : 127. 1806; Baker in Hook. f. Fl. Brit. India 2 : 115. 1876; Gamble, Fl. Pres. Madras 1 : 228. 1957 (repr. ed.). *Robinia grandiflora* L. Sp. Pl. 722. 1753.

Tamil: *Agati*.

A small soft wooded tree, planted in betel wine plantation for support; leaves and flowers used as vegetables. E.

Sesbania procumbens (Roxb.) Wight & Arn. Prodr. 215. 1834; Baker in Hook. f. Fl. Brit. India 2 : 115. 1876; Gamble, Fl. Pres. Madras 1 : 228. 1957 (repr. ed.). *Aeschynomene procumbens* Roxb. Fl. Ind. 3 : 337. 1832.

An annual diffuse prickly herb.

Distrib.: Chengalpattu, Ramanathapuram, Tirunelveli.

Sesbania sesban (L.) Merr. in Philipp. J. Sci. 7 : 235. 1912. *Aeschynomene sesban* L. Sp. Pl. 714. 1753. *Sesbania aegyptiaca* (Poir.) Pers. Syn. 2 : 316. 1807; Wight, Ic. t. 32. 1838; Baker in Hook. f. Fl. Brit. India 2 : 114. 1876; Gamble, Fl. Pres. Madras 1 : 228. 1957 (repr. ed.). *Sesban aegyptiacus* Poir. in Lam. Encycl. 7 : 128. 1806.

Tamil: *Chittakatti*.

A shrub with soft wood, cultivated and found run wild in all plains districts.

Sesbania speciosa Taub. in Engler, Pflanzenwelt Ost Afrikas C : 213. 1895.

A perennial shrub with axillary pendent racemes, flowers large, yellow, spotted with purple, cultivated.

Shutteria vestita Wight & Arn. Prodr. 207. 1834, var. *vestita*; Wight, Ic. t. 165. 1839; Baker in Hook. f. Fl. Brit. India 2 : 181. 1876; Gamble, Fl. Pres. Madras 1 : 247. 1957 (repr. ed.).

A slender hairy climber with purple flowers.

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

Shutteria vestita Wight & Arn. var. *glabrata* (Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 182. 1876. *S. glabrata* Wight & Arn. Prodr. 207. 1834.

A glabrous slender climber.

Distrib.: Coimbatore, Madurai, Nilgiri.

Smithia bigemina Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 208. 1851; Baker in Hook. f. Fl. Brit. India 2 : 149. 1876; Gamble, Fl. Pres. Madras 1 : 233. 1957 (repr. ed.).

An annual herb with very slender wiry stems.

Distrib.: Coimbatore.

Smithia blanda Wall. ex Wight & Arn. Prodr. 221. 1834, var. *blanda*; Wight, Ic. t. 986. 1845; Baker in Hook. f. Fl. Brit. India 2 : 151. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 121. 1932; Gamble, Fl. Pres. Madras 1 : 233. 1957 (repr. ed.).

A decumbent herb in open grasslands.

Distrib.: Coimbatore, Nilgiri, Salem (Fyson 1932).

Smithia blanda Wall. ex Wight & Arn. var. *racemosa* (Heyne ex Wight & Arn.) Baker in Hook. f. Fl. Brit. India 2 : 113. 1876 p.p. *S. racemosa* Heyne ex Wight & Arn. Prodr. 221. 1834; Gamble, Fl. Pres. Madras 1 : 233. 1957 (repr. ed.).

A perennial herb in marshy places.

Distrib.: Coimbatore, Madurai (Gamble 1957), Nilgiri, Salem (Fyson 1932).

Smithia capitata Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 208. 1851; Bedd. Ic. t. 244. 1868 - 1874; Baker in Hook. f. Fl. Brit. India 2 : 150. 1876; Gamble, Fl. Pres. Madras 1 : 233. 1957 (repr. ed.).

An annual herb with bluish flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Smithia conferta Sm. in Rees, Cyclop. 33 : n. 2. 1819; Gamble, Fl. Pres. Madras 1 : 232. 1957 (repr. ed.). *S. geminiflora* Roth, Nov. Pl. Sp. 352. 1821; Baker in Hook. f. Fl. Brit. India 2 : 149. 1876 incl. var. *conferta* (Sm.) Baker; Gamble, Fl. Pres. Madras 1 : 232. 1957 (repr. ed.).

A procumbent herb in swampy areas.

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

Smithia gracilis Benth. in Linnaea 24 : 642. 1851; Baker in Hook. f. Fl. Brit. India 2 : 150. 1876; Gamble, Fl. Pres. Madras 1 : 233. 1957 (repr. ed.).

A diffuse slender perennial herb with yellow flowers.

Distrib.: Coimbatore, Madurai, Nilgiri.

Smithia sensitiva Ait. Hort. Kew. ed. 1. 3: 496. 1789; Baker in Hook. f. Fl. Brit. India 2 : 148. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 232. 1957 (repr. ed.).

A much branched prostrate herb among grass.

Distrib.: Coimbatore (Gamble 1957). R.

Smithia setulosa Dalz. in Hook's J. Bot. Kew Gard. Misc. 3 : 208. 1851; Bedd. Ic. t. 243. 1868 - 1874; Baker in Hook. f. Fl. Brit. India 2 : 149. 1876; Gamble, Fl. Pres. Madras 1 : 232. 1957 (repr. ed.).

An erect, annual, bristly herb.

Distrib.: Kanniyakumari, Nilgiri.

Sophora glauca Lesch. ex DC. in Ann. Sci. Nat. (Paris) 4 : 98. 1825; Baker in Hook. f. Fl. Brit. India 2 : 249. 1878; Fyson, Fl. South Indian Hill St. 2 : t. 137. 1932; Gamble, Fl. Pres. Madras 1 : 274. 1957 (repr. ed.).

A shrub on open downs.

Distrib.: Coimbatore, Nilgiri, Salem.

Sophora interrupta Bedd. Ic. t. 165. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 251. 1878; Gamble, Fl. Pres. Madras 1 : 274. 1957 (repr. ed.).

A large shrub.

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

Sophora wightii Baker in Hook. f. Fl. Brit. India 2 : 250. 1878; Gamble, Fl. Pres. Madras 1 : 274. 1957 (repr. ed.). *S. heptaphylla* sensu Wight, Ic. t. 115. 1846, non L. 1753.

A small tree.

Distrib.: Nilgiri, Tirunelveli.

Spartium junceum L. Sp. Pl. 708. 1753; Matthew in Rec. Bot. Surv. India 20(1) : 71. 1969.

A perennial shrub with yellow fragrant flowers, cultivated.

Stylosanthes fruticosa (Retz.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 77. 1931. *Arachis fruticosa* Retz. Obs. Bot. 5 : 26. 1789. *Stylosanthes mucronata* Willd. Sp. Pl. 3 : 1166. 1802, nom. illeg.; Bedd. Ic. t. 294. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 148. 1876; Gamble, Fl. Pres. Madras 1 : 230. 1957 (repr. ed.).

A stiff undershrub with sheathing stipules.

Distrib.: Chengalpattu, Dharmapuri, Pudukkottai (RHT), Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Stylosanthes sondaica Taub. in Verh. Bot. Vereins Prov. Brandenburg 32 : 21. 1890.

An annual herb, decumbent or prostrate.

Distrib.: Introduced at Coimbatore for trials (Wealth of India 1976).

Tephrosia barberi Drumm. in Gamble, Fl. Pres. Madras 320. 1918 & 1 : 220. 1957 (repr. ed.).

An undershrub with reddish flexuose branchlets.

Distrib.: Tirunelveli. R.

Tephrosia calophylla Bedd. Ic. t. 166. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 111. 1876; Gamble, Fl. Pres. Madras 1 : 224. 1957 (repr. ed.).

A woody perennial herb.

Distrib.: Coimbatore, Nilgiri (Baker 1876). R.

Tephrosia candida DC. Prodr. 2 : 249. 1825; Baker in Hook. f. Fl. Brit. India 2 : 111. 1876; Fyson, Fl. South Indian Hill St. 1 : 158. 1932.

A shrub with white flowers.

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

Tephrosia canarensis Drumm. in Gamble, Fl. Pres. Madras 319. 1918 & 1 : 225. 1957 (repr. ed.). *T. tinctoria* Pers. var. *intermedia* Baker in Hook. f. Fl. Brit. India 2 : 112. 1876 p.p.

An erect undershrub.

Distrib.: Nilgiri. R.

Tephrosia fusca Wight & Arn. Prodr. 210. 1834; Baker in Hook. f. Fl. Brit. India 2 : 114. 1876; Gamble, Fl. Pres. Madras 1 : 224. 1957 (repr. ed.).

A shrub.

Distrib.: Chengalpattu, Madurai (Gamble 1957). R.

Tephrosia hookeriana Wight & Arn. Prodr. 212. 1834; Baker in Hook. f. Fl. Brit. India 2 : 113. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 226. 1957 (repr. ed.).

A shrub on dry soils.

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

Tephrosia maxima Pers. Syn. 2 : 329. 1807; Gamble, Fl. Pres. Madras 1 : 225.

1957 (repr. ed.). *T. purpurea* (L.) Pers. var. *maxima* (Pers.) Baker in Hook. f. Fl. Brit. India 2 : 113. 1876.

A slender herb.

Distrib.: In most of the districts.

Tephrosia noctiflora Boj. ex Baker in Oliver, Fl. Trop. Africa 2 : 112. 1871; Gamble, Fl. Pres. Madras 1 : 224. 1957 (repr. ed.). *T. hookeriana* sensu Baker in Hook. f. Fl. Brit. India 2 : 113. 1876, non Wight & Arn. 1834.

An undershrub.

Distrib.: Madras Presidency (Gamble 1957). R.

Tephrosia pulcherrima (Wight ex Baker) Drumm. in Gamble, Fl. Pres. Madras 319. 1918 & 1 : 225. 1957 (repr. ed.). *T. tinctoria* Pers. var. *pulcherrima* Wight ex Baker in Hook. f. Fl. Brit. India 2 : 112. 1876.

An erect undershrub among grass.

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

Tephrosia pumila (Lam.) Pers. Syn. 2 : 330. 1807. *Galega pumila* Lam. Encycl. 2 : 599. 1788. *Tephrosia purpurea* (L.) Pers. var. *pumila* (Lam.) Baker in Hook. f. Fl. Brit. India 2 : 113. 1876. *T. procumbens* Buch.-Ham. ex Drumm. in Gamble, Fl. Pres. Madras 318. 1918 & 1 : 226. 1957 (repr. ed.).

A slender herb among grasses.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, Ramanathapuram.

Tephrosia purpurea (L.) Pers. Syn. 2 : 329. 1807; Baker in Hook. f. Fl. Brit. India 2 : 112. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 226. 1957 (repr. ed.). *Cracca purpurea* L. Sp. Pl. 752. 1753. *Tephrosia hamiltonii* Drumm. in Gamble, Fl. Pres. Madras 320. 1918. & 1 : 226. 1957 (repr. ed.).

Tamil: *Kat kolingi*.

An erect perennial undershrub.

Distrib.: In all districts.

Tephrosia spinosa (L. f.) Pers. Syn. 2 : 330. 1807; Wight, Ic. t. 372. 1840; Baker in Hook. f. Fl. Brit. India 2 : 112. 1876; Gamble, Fl. Pres. Madras 1 : 226. 1957 (repr. ed.). *Galega spinosa* L. f. Suppl. Pl. 385. 1781.

Tamil: *Mulkolingi*.

A spreading thorny shrub.

Distrib.: Coimbatore, Madurai, Pudukkottai (RHT), Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli (UCT).

Tephrosia tinctoria Pers. Syn. 2 : 329. 1807; Wight, Ic. t. 388. 1840; Baker in Hook. f. Fl. Brit. India 2 : 111. 1876; Gamble, Fl. Pres. Madras 1 : 225. 1957 (repr. ed.).

A procumbent hairy herb.

Distrib.: In most of the districts.

Tephrosia vegellii Hook. f. in Hook. Niger Fl. 296. 1849; Sebastine in Bull. Bot. Surv. India 2 : 3. 1960.

An introduced herb.

Tephrosia villosa (L.) Pers. Syn. 2 : 329. 1807; Baker in Hook. f. Fl. Brit. India 2 : 113. 1876. *Cracca villosa* L. Sp. Pl. 752. 1753. *Tephrosia hirta* (Buch.-Ham.) Gamble, Fl. Pres. Madras 318. 1918 & 1 : 225. 1957 (repr. ed.). *Galega hirta* Buch.-Ham. in Trans. Linn. Soc. London 13 : 546. 1822.

An erect hairy herb.

Distrib.: In most of the districts.

Teramnus labialis (L. f.) Spreng. Syst. Veg. 3 : 235. 1826; Baker in Hook. f. Fl. Brit. India 2 : 184. 1876; Gamble, Fl. Pres. Madras 1 : 249. 1957 (repr. ed.). *Glycine labialis* L. f. Suppl. Pl. 325. 1781; Wight, Ic. t. 168. 1840.

A slender twining herb.

Distrib.: Almost all districts.

Teramnus mollis Benth. in J. Linn. Soc. Bot. 8 : 265. 1865; Gamble, Fl. Pres. Madras 1 : 249. 1957 (repr. ed.). *T. labialis* (L. f.) Spreng. var. *mollis* (Benth.) Baker in Hook. f. Fl. Brit. India 2 : 184. 1876.

A twining herb.

Distrib.: Dharmapuri, South Arcot, Tirunelveli (Gamble 1957); Salem and Tiruchchirappalli (Matthew 1981). R.

Trifolium alexandrinum L. Cent. Pl. 1 : 25. 1755.

An annual herb.

Distrib.: Coimbatore.

Trifolium cernuum Brot. Phyt. Lusit. ed. 3. 1 : 150. 1816; Ellis & Swaminathan in Bull. Bot. Surv. India 17 : 186. 1975.

A diffuse prostrate herb with pale pink flowers.

Distrib.: Nilgiri.

Trifolium dubium Sibth. Fl. Oxon 231. 1794; Gamble, Fl. Pres. Madras 1 : 214. 1957 (repr. ed.).

An annual herb.

Distrib.: Madurai, Nilgiri.

Trifolium incarnatum L. Sp. Pl. 769. 1753.

An upright annual with bright red, large, conical flower heads.

Distrib.: Madurai (Wealth of India 1976).

Trifolium pratense L. Sp. Pl. 768. 1753; Baker in Hook. f. Fl. Brit. India 2 : 86. 1876; Gamble, Fl. Pres. Madras 1 : 214. 1957 (repr. ed.).

A perennial erect herb.

Distrib.: Madurai, Nilgiri.

Trifolium repens L. Sp. Pl. 767. 1753; Baker in Hook. f. Fl. Brit. India 2 : 86. 1876; Gamble, Fl. Pres. Madras 1 : 214. 1957 (repr. ed.).

A herb in swampy places.

Distrib.: Madurai, Nilgiri.

Trifolium subterraneum L. Sp. Pl. 767. 1753.

A softly pubescent annual with whitish flowers, striped with rose.

Distrib.: Nilgiri.

Trigonella foenum-graecum L. Sp. Pl. 777. 1753; Baker in Hook. f. Fl. Brit. India 2 : 87. 1876; Gamble, Fl. Pres. Madras 1 : 215. 1957 (repr. ed.).

Tamil: *Vendiyam*.

A herb; cultivated. E.

***Ulex europaeus** L. Sp. Pl. 741. 1753; Gamble, Fl. Pres. Madras 1 : 213. 1957 (repr. ed.)

An evergreen shrub, naturalised in the hills.

Uraria alopecuroides Wight, Ic. t. 290. 1840; Gamble, Fl. Pres. Madras 1 : 237. 1957 (repr. ed.). *U. repanda* Wall. ex Benth. in Miq. Pl. Jungh. 213. 1852; Baker in Hook. f. Fl. Brit. India 2 : 156. 1876.

An erect undershrub.

Distrib.: Madurai.

Uraria lagopodioides (L.) Desv. in DC. Prodr. 2 : 324. 1825, "*lagopoides*"; Wight, Ic. t. 289. 1840; Baker in Hook. f. Fl. Brit. India 2 : 156. 1876, "*lagopoides*"; Gamble, Fl. Pres. Madras 1 : 237. 1957 (repr. ed.). *Hedysarum lagopodioides* L. Sp. Pl. 1198. 1753.

A herb in grasslands.

Distrib.: Madurai, Nilgiri.

Uraria rufescens (DC.) Schind. in Feddes Repert. 21 : 14. 1925. *Desmodium rufescens* DC. in Ann. Sci. Nat. (Paris) 4 : 101. 1825. *Uraria hamosa* Wall. ex Wight & Arn. Prodr. 222. 1834; Wight, Ic. t. 284. 1840; Baker in Hook. f. Fl. Brit. India 2 : 156. 1876; Gamble, Fl. Pres. Madras 1 : 237. 1957 (repr. ed.).

A straggling undershrub in dry forests.

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

Vicia faba L. Sp. Pl. 737. 1753; Baker in Hook. f. Fl. Brit. India 2 : 179. 1876; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

*Prepared by C. P. Malathi.

A herb, cultivated.

Vicia hirsuta (L.) S.F. Gray, Nat. Arr. Brit. Pl. 2 : 614. 1821; Baker in Hook. f. Fl. Brit. India 2 : 177. 1876. *Ervum hirsutum* L. Sp. Pl. 739. 1753.

A herb.

Distrib.: Nilgiri (Hook. f. 1876). R.

Vicia sativa L. Sp. Pl. 736. 1753; Baker in Hook. f. Fl. Brit. India 2 : 176. 1876; Fyson, Fl. South Indian Hill St. 2 : t. 126. 1932; Gamble, Fl. Pres. Madras 1 : 246. 1957 (repr. ed.).

A slender climbing herb with reddish blue flowers.

Distrib.: Nilgiri (Gamble 1957).

Vicia villosa Roth, Tent. Fl. Germ. 2 (2) : 182. 1793.

An annual or perennial hairy herb with blue-violet or rarely white flowers in dense clusters. Successfully cultivated in Nilgiri (Wealth of India 1976).

Vigna aconitifolia (Jacq.) Marechal in Bull. Jard. Bot. Nat. Belge. 39 : 160. 1969. *Phaseolus aconitifolius* Jacq. Obs. 3 : 2. t. 52. 1768; Baker in Hook. f. Fl. Brit. India 2 : 202. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

Tamil: *Tulkapayir*.

A diffuse trailing herb, cultivated as fodder. E.

Vigna adenantha (G. F. W. Meyer) Marechal et al. in Taxon 27 : 202. 1978. *Phaseolus adenanthus* G.F.W. Meyer, Prim. Fl. Esseq. 239. 1818; Baker in Hook. f. Fl. Brit. India 2 : 200. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

Tamil: *Karalsona*.

A perennial herb.

Distrib.: Tirunelveli.

Vigna bourneae Gamble, Fl. Pres. Madras 365. 1918 & 1 : 257. 1957 (repr. ed.).

A stout climber.

Distrib.: Madurai, Tirunelveli.

Vigna dalzelliana (Kuntze) Verdc. in Kew Bull. 24 : 558. 1970. *Phaseolus dalzellianus* Kuntze, Rev. Gen. Pl. 1 : 202. 1891. *P. pauciflorus* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 209. 1851, non G. Don 1832 nec Benth. 1837; Baker in Hook. f. Fl. Brit. India 2 : 202. 1876. *P. dalzellii* Cooke, Fl. Pres. Bombay 1 : 376. 1902; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

A slender climber.

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

Vigna grahamiana (Wight & Arn.) Verdc. in Kew Bull. 24 : 562. 1970. *Phaseolus grahamianus* Wight & Arn. Prodr. 244. 1834; Baker in Hook. f. Fl. Brit. India 2 : 201. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

A slender climber with deltoid leaflets.

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

Vigna hosei (Craib) Backer in Backer & Slooten, Geillustreerd Handboek voor de Thee-onkruiden 153. 1924. *Dolichos hosei* Craib in Kew Bull. 1914 : 76. 1914.

A twining or creeping herb, leaflets hairy on both sides. Successfully grown in Tamil Nadu (Wealth of India 1976).

Vigna khandalensis (Sant.) Ragh. & Wadhwa in Curr. Sci. 42 : 429. 1972. *Phaseolus khandalensis* Sant. in Kew Bull. 1948 : 246. 1948. *Vigna grandis* (Dalz. & Gibs.) Verdc. in Kew Bull. 23 : 464. 1969. *Phaseolus grandis* Dalz. & Gibs. Bombay Fl. 72. 1861, non Benth. 1852; Baker in Hook. f. Fl. Brit. India 2 : 202. 1876.

A shrubby climber.

Distrib.: Nilgiri.

Vigna mungo (L.) Hepper in Kew Bull. 11 : 128. 1956. *Phaseolus mungo* L. Mant. Pl. 1 : 101. 1767; Baker in Hook. f. Fl. Brit. India 2 : 313. 1878; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

Tamil: *Ulundu*.

A bushy herb, cultivated for the seeds. E.

Vigna radiata (L.) Wilczek in Fl. Congo Belge 6 : 386. 1954, var. **radiata**. *Phaseolus radiatus* L. Sp. Pl. 725. 1753; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.). *P. mungo* L. var. **radiatus** (L.) Baker in Hook. f. Fl. Brit. India 2 : 203. 1876.

A suberect or trailing pubescent herb, cultivated.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, South Arcot, Tiruchchirappalli (RHT). E.

Vigna radiata (L.) Wilczek var. **sublobata** (Roxb.) Verdc. in Kew Bull. 24 : 559. 1970. *Phaseolus sublobatus* Roxb. Fl. Ind. 3 : 288. 1832; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.). *P. trinervius* Heyne ex Wight & Arn. Prodr. 245. 1834; Baker in Hook. f. Fl. Brit. India 2 : 203. 1876.

Tamil: *Karumpayir*.

A slender hairy climber with prominent stipules.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli.

Vigna trilobata (L.) Verdc. in Taxon 17 : 172. 1968 & in Kew Bull. 24 : 560. 1970. *Dolichos trilobatus* L. Mant. Pl. 1 : 101. 1767; Baker in Hook. f. Fl. Brit. India 2 : 262. 1876. *Phaseolus trilobatus* (L.) Schreb. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 4 : 132. 1770; Wight, Ic. t. 94. 1838; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

Tamil: *Paripayir*.

A diffuse herb, used as fodder.

Distrib.: In most of the districts.

Vigna umbellata (Thunb.) Ohwi & Ohashi in Jap. J. Bot. 44 : 31. 1969. *Dolichos umbellatus* Thunb. in Trans. Linn. Soc. London 2 : 339. 1794. *Phaseolus calcaratus* Roxb. Fl. Ind. 3 : 289. 1832; Baker in Hook. f. Fl. Brit. India 2 : 203. 1876; Gamble, Fl. Pres. Madras 1 : 256. 1957 (repr. ed.).

A slender hairy climber.

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

Vigna unguiculata (L.) Walp. Rep. 1 : 779. 1842, subsp. **unguiculata**. *Dolichos unguiculatus* L. Sp. Pl. 725. 1753. *D. biflorus* L. Sp. Pl. 727. 1753; Baker in Hook. f. Fl. Brit. India 2 : 210. 1876; Gamble, Fl. Pres. Madras 1 : 259. 1957 (repr. ed.).

Tamil: *Kollu*.

A herb, cultivated for its seeds. E.

Vigna unguiculata (L.) Walp. subsp. **cylindrica** (L.) Eselt. in Hedrick. Vegetables New York 1 (2) : 11. 1931. *Phaseolus cylindricus* L. Herb. Amb. 23. 1754. *Vigna catjang* (Burm.f.) Walp. in Linnaea 13 : 533. 1839; Gamble, Fl. Pres. Madras 1 : 258. 1957 (repr. ed.). *Dolichos catjang* Burm. f. Fl. Ind. 161. 1768.

Tamil: *Karamani*, *Thattapayir*.

A suberect annual plant or twiner, cultivated for the pods and seeds. E.

Vigna vexillata (L.) A. Rich. in Sagra, Hist. Fis. Polit. Nat. Cuba 11 : 191. 1845; Baker in Hook. f. Fl. Brit. India 2 : 206. 1876; Gamble, Fl. Pres. Madras 1 : 257. 1957 (repr. ed.). *Phaseolus vexillatus* L. Sp. Pl. 724. 1753. *P. pulniensis* Wight, Ic. t. 202. 1839.

A climber.

Distrib.: Coimbatore, Madurai, Nilgiri.

Vigna wightii Benth. ex Bedd. in Trans. Linn. Soc. London 25 : 215. 1865; Bedd. Ic. t. 296. 1868-1874; Baker in Hook. f. Fl. Brit. India 2 : 206. 1876; Gamble, Fl. Pres. Madras 1 : 257. 1957 (repr. ed.).

A slender climber.

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

Virgilia oroboides (Berg.) Salter in J. South Afr. Bot. 5 : 58. 1939. *Sophora oroboides* Berg. Desc. Pl. Cap. 147. 1767. *Virgilia capensis* Lam. Tabl. Encycl. 2 : 454. 1797; Baker in Hook. f. Fl. Brit. India 2 : 251. 1878; Gamble, Fl. Pres. Madras 1 : 276. 1957 (repr. ed.).

A shrub with silvery leaves, cultivated in the hills.

Wisteria sinensis (Sims) Sweet, Hort. Brit. 121. 1827. *Glycine sinensis* Sims in Bot. Mag. t. 2083. 1819.

A deciduous climber with blue to lilac flowers, cultivated in the hills.

Zornia diphylla (L.) Pers. Syn. 2 : 318. 1807; Baker in Hook. f. Fl. Brit. India 2 : 147. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 229. 1957 (repr. ed.). *Hedy-sarum diphyllum* L. Sp. Pl. 747. 1753. *Zornia diphylla* (L.) Pers. var. *zeylonensis* (Pers.) Baker in Hook. f. Fl. Brit. India 2 : 148. 1876. *Z. zeylonensis* Pers. Syn. 2 : 318. 1807; Gamble, Fl. Pres. Madras 1 : 229. 1957 (repr. ed.).

A diffuse herb.

Distrib.: Kanniyakumari, Ramanathapuram, South Arcot (Matthew 1981), Tirunelveli.

Zornia gibbosa Span. in Linnaea 15 : 192. 1841. *Z. diphylla* auct. non (L.) Pers. 1807; Baker in Hook. f. Fl. Brit. India 2 : 147. 1876 p.p.; Gamble, Fl. Pres. Madras 1 : 229. 1957 (repr. ed.) p.p.

An annual herb, much branched.

Distrib.: In most of the districts.

CAESALPINIACEAE

E. VAJRAVELU

Acrocarpus fraxinifolius Wight & Arn. in Mag. Zool. Bot. 2 : 547. 1838; Wight, Ic. t. 254. 1840 excl. folia; Baker in Hook. f. Fl. Brit. India 2 : 292. 1878; Gamble, Fl. Pres. Madras 1 : 281. 1957 (repr. ed.).

Tamil: *Malaikonnai*.

A large and lofty deciduous tree with large buttresses.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Amherstia nobilis Wall. in Taylor & Phillips, Philos. Mag. n.s. 3 : 223. 1826; Baker in Hook. f. Fl. Brit. India 2 : 272. 1878.

An ornamental tree, grown in gardens.

Bauhinia acuminata L. Sp. Pl. 375. 1753; Baker in Hook. f. Fl. Brit. India 2 : 276. 1878; Gamble, Fl. Pres. Madras 2 : 289. 1957 (repr. ed.).

A pretty shrub.

Distrib.: Chengalpattu.

Bauhinia diphylla Buch.-Ham. in Symes, Embass. ed. 2, 3 : 311. t. 24. 1800; Baker in Hook. f. Fl. Brit. India 2 : 278. 1878; Gamble, Fl. Pres. Madras 1 : 289. 1957 (repr. ed.).

A large climber with circular tendril and small leaflets, cultivated in gardens.

Bauhinia malabarica Roxb. Fl. Ind. 2 : 321. 1832; Baker in Hook. f. Fl. Brit. India 2 : 277. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.). *Ptilostigma malabaricum* (Roxb.) Benth. in Miq. Pl. Jungh. 261. 1852.

A small bushy deciduous tree at low elevations.

Distrib.: Coimbatore, Nilgiri, Ramanathapuram, Tirunelveli.

Bauhinia monandra Kurz in J. Asiat. Soc. Bengal 42 : 73. 1873; Baker in Hook. f. Fl. Brit. India 2 : 285. 1878; Gamble, Fl. Pres. Madras 1 : 289. 1957 (repr. ed.).

A shrub or small tree, cultivated in gardens.

Bauhinia phoenicea Wight & Arn. Prodr. 296. 1834; Baker in Hook. f. Fl. Brit. India 2 : 283. 1878; Gamble, Fl. Pres. Madras 1 : 289. 1957 (repr. ed.). *Phanera phoenicea* (Wight & Arn.) Benth. in Miq. Pl. Jungh. 262. 1851. *Bauhinia benthamii* Bedd. Ic. t. 107. 1868-1874, "benthami".

A very large climber, without tendrils.

Distrib.: Coimbatore, Nilgiri.

Bauhinia purpurea L. Sp. Pl. 375. 1753; Baker in Hook. f. Fl. Brit. India 2 : 284. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.). *Phanera purpurea* (L.) Benth. in Miq. Pl. Jungh. 262. 1852.

Tamil: *Mandari*.

A moderate-sized evergreen tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Tiruchchirappalli (RHT); Dharmapuri, Salem and South Arcot (Matthew 1981).

Bauhinia racemosa Lam. Encycl. 1 : 390. 1785; Bedd. Fl. Sylv. t. 182. 1872; Baker in Hook. f. Fl. Brit. India 2 : 276. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.), *Piliostigma racemosa* (Lam.) Benth. in Miq. Pl. Jungh. 262. 1852.

Tamil: *Archi, Kokkumantharai*.

A small deciduous tree.

Distrib.: In most of the districts.

Bauhinia rufescens Lam. Encycl. 1 : 391. 1785; Baker in Hook. f. Fl. Brit. India 2 : 277. 1878; Gamble, Fl. Pres. Madras 1 : 289. 1957 (repr. ed.).

A bushy tree, cultivated and run wild. R.

Bauhinia tomentosa L. Sp. Pl. 375. 1753; Baker in Hook. f. Fl. Brit. India 2 : 275. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.).

Tamil: *Kanchini*.

A shrub in dry forests; often cultivated in gardens as an ornamental.

Bauhinia vahlii Wight & Arn. in Wight, Cat. 38. 1833 & Prodr. 297. 1834; Baker in Hook. f. Fl. Brit. India 2 : 279. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.), *Phanera vahlii* (Wight & Arn.) Benth. in Miq. Pl. Jungh. 263. 1853.

A gigantic climber.

Distrib.: Chengalpattu, Coimbatore.

Bauhinia variegata L. Sp. Pl. 375. 1753; Baker in Hook. f. Fl. Brit. India 2 : 284. 1878; Gamble, Fl. Pres. Madras 1 : 288. 1957 (repr. ed.), *Phanera variegata* (L.) Benth. in Miq. Pl. Jungh. 261. 1852.

Tamil: *Segapu Manchori*.

A moderate sized tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Salem.

Caesalpinia coriaria (Jacq.) Willd. Sp. Pl. 2 : 532. 1799; Gamble, Fl. Pres.

Madras 1 : 279. 1957 (repr. ed.), *Poinciana coriaria* Jacq. Select. Am. 123. t. 175. f. 36. 1781.

Tamil: *Tividur, Inkimaram*.

A small tree, cultivated, pods used as a tanning material. E.

Caesalpinia crista L. Sp. Pl. 380. 1753; Gamble, Fl. Pres. Madras 1 : 278. 1957 (repr. ed.), *C. bonducella* (L.) Fleming in Asiat. Res. 11 : 159. 1810; Baker in Hook. f. Fl. Brit. India 2 : 254. 1878. *Guilandia bonducella* L. Sp. Pl. ed. 2. 545. 1762.

Tamil: *Kalichikai*.

A scandent or scrambling prickly shrub.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli.

Caesalpinia cucullata Roxb. Fl. Ind. 2 : 358. 1832. *Mezoneuron cucullatum* (Roxb.) Wight & Arn. Prodr. 283. 1834; Baker in Hook. f. Fl. Brit. India 2 : 258. 1878; Gamble, Fl. Pres. Madras 1 : 280. 1957 (repr. ed.), "*Mezoneuron*".

A large climbing shrub, stems with conical corky protuberances bearing a pair of hooked thorns.

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

Caesalpinia decapetala (Roth) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 89. 1931. *Reichardia decapetala* Roth. Nov. Pl. Sp. 212. 1821. *Caesalpinia sepiaria* Roxb. Fl. Ind. 2 : 360. 1832; Wight, Ic. t. 37. 1838; Baker in Hook. f. Fl. Brit. India 2 : 256. 1878; Gamble, Fl. Pres. Madras 1 : 279. 1957 (repr. ed.).

A straggling thorny shrub.

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

Caesalpinia mimosoides Lam. Encycl. 1 : 452. 1785; Wight, Ic. t. 392. 1840; Baker in Hook. f. Fl. Brit. India 2 : 256. 1878; Gamble, Fl. Pres. Madras 1 : 279. 1957 (repr. ed.).

A prickly climbing shrub.

Distrib.: Coimbatore, Nilgiri, Salem, Tiruchchirappalli.

Caesalpinia pulcherrima (L.) Sw. Obs. Bot. 166. 1791; Baker in Hook. f. Fl. Brit. India 2 : 255. 1878; Gamble, Fl. Pres. Madras 1 : 279. 1957 (repr. ed.). *Poinciana pulcherrima* L. Sp. Pl. 380. 1753.

Tamil: *Mayilkonnai*.

A handsome branching shrub; flowers orange or yellow in elongate lax racemes, cultivated in gardens.

Caesalpinia sappan L. Sp. Pl. 381. 1753; Baker in Hook. f. Fl. Brit. India 2 : 255. 1878; Gamble, Fl. Pres. Madras 1 : 279. 1957 (repr. ed.).

Tamil: *Patungam*.

A tree found in cultivation.

Cassia absus L. Sp. Pl. 376. 1753; Baker in Hook. f. Fl. Brit. India 2 : 265. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

Tamil: *Mulaipalyirai*.

A herb, leaves with two pairs of leaflets.

Distrib.: Almost all districts.

Cassia alata L. Sp. Pl. 378. 1753; Wight, Ic. t. 253. 1840; Baker in Hook. f. Fl. Brit. India 2 : 264. 1878; Gamble, Fl. Pres. Madras 1 : 286. 1957 (repr. ed.).

A small tree or a large shrub with persistent deltoid stipules, cultivated in gardens and found run wild. E.

Cassia auriculata L. Sp. Pl. 379. 1753; Baker in Hook. f. Fl. Brit. India 2 : 263. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

Tamil: *Avaram, Avarai*.

A tall shrub in waste lands.

Distrib.: In all districts.

Cassia didymobotrya Fresn. Flora 22 : 53. 1839; Fyson, Fl. South Indian Hill St. 1 : 183. 1932; Matthew in Rec. Bot. Surv. India 20 (1) : 77. 1969.

A shrub or small tree with large showy yellow flowers, introduced and found run wild.

Cassia fistula L. Sp. Pl. 377. 1753; Baker in Hook. f. Fl. Brit. India 2 : 261. 1878; Gamble, Fl. Pres. Madras 1 : 283. 1957 (repr. ed.). *C. rhombifolia* Roxb. Fl. Ind. 3 : 334. 1832; Wight, Ic. t. 269. 1840.

Tamil: *Konnei*.

A medium-sized tree with spreading crown and yellow flowers of drooping racemes.

Distrib.: In most of the districts.

Cassia floribunda Cav. Descr. 132. 1802. *C. laevigata* Willd. Enum. Pl. Hort. Berol. 441. 1809; Fyson, Fl. South Indian Hill St. 2 : t. 140. 1932; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

A conspicuous shrub; introduced and now run wild in the hills.

Cassia grandis L.f. Suppl. Pl. 230. 1781; Gamble, Fl. Pres. Madras 1 : 286. 1957 (repr. ed.).

A large tree with long pods, cultivated for ornament and in avenues.

Cassia hirsuta L. Sp. Pl. 378. 1753; Baker in Hook. f. Fl. Brit. India 2 : 263. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

A diffuse undershrub.

Distrib.: In most of the districts.

Cassia intermedia Sharma, Vivek. & Rathakr. in Proc. Indian. Acad. Sci. 80B : 301. 1974.

A herb.

Distrib.: Nilgiri.

Cassia italica (Mill.) Lam. ex Andr. Fl. Pl. Anglo-Egypt. Sudan 2 : 117. 1952. *Senna italica* Mill. Gard. Diet. ed. 8, n. 2. 1768. *Cassia obtusus* Roxb. Fl. Ind. 2 : 344. 1824; Wight, Ic. t. 757. 1844; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.). *C. obovata* Callad. Hist. Cass. 92. t. 15A. 1816; Baker in Hook. f. Fl. Brit. India 2 : 264. 1878.

A diffuse perennial herb.

Distrib.: Dharmapuri, Nilgiri, Salem, South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli, Tirunelveli.

Cassia javanica L. Sp. Pl. 379. 1753.

A medium-sized tree with pink flowers, cultivated.

Cassia kleinii Wight & Arn. Prodr. 293. 1834; Baker in Hook. f. Fl. Brit. India 2 : 266. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A perennial decumbent herb.

Distrib.: Kanniyakumari, Tirunelveli; Dharmapuri and South Arcot (Matthew 1981).

***Cassia lechenaultiana** DC. in Mem. Soc. Phys. Geneve 2 : 132. 1824, var. **lechenaultiana**; Fyson, Fl. South Indian Hill St. 2 : t. 142. 1932; Gamble, Fl. Pres. Madras 1 : 286. 1957 (repr. ed.). *C. mimosoides* Lam. var. *wallichiana* (DC.) Baker in Hook. f. Fl. Brit. India 2 : 266. 1878. *C. wallichiana* DC. Prodr. 2 : 505. 1825.

A bushy herb.

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

Cassia lechenaultiana DC. var. **auricoma** (Graham ex Benth.) De Wit in Webbia 11 : 282. 1955. *C. mimosoides* L. var. *auricoma* Graham ex Benth. in Trans. Linn. Soc. London 27 : 580. 1871; Baker in Hook. f. Fl. Brit. India 2 : 266. 1878.

A herb among grasses.

Distrib.: Coimbatore, Madurai, Nilgiri.

Cassia mimosoides L. Sp. Pl. 379. 1753; Baker in Hook. f. Fl. Brit. India 2 : 266. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A diffuse perennial herb.

Distrib.: In most of the districts.

Cassia montana Heyne ex Roth, Nov. Pl. Sp. 214. 1821; Baker in Hook. f.

*Recent authors include *Cassia lechenaultiana* in *C. mimosoides* L. (sensu lato)

Fl. Brit. India 2 : 264. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

A shrub.

Distrib.: Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli.

Cassia nigricans Vahl, Symb. Bot. 1 : 30. 1790; Gamble, Fl. Pres. Madras 1 : 286. 1957 (repr. ed.).

Tamil: *Suriyanvanangi*, *Thozhukani*.

A shrub.

Distrib.: Tirunelveli.

Cassia nodosa Buch.-Ham. ex Roxb. Fl. Ind. 2 : 336. 1832; Wight, Ic. t. 410. 1840; Baker in Hook. f. Fl. Brit. India 2 : 261. 1878.

A medium-sized evergreen tree, cultivated. E.

Cassia occidentalis L. Sp. Pl. 377. 1753; Baker in Hook. f. Fl. Brit. India 2 : 262. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

Tamil: *Payaverai*, *Thagarai*, *Nattam-takarai*.

An annual undershrub with yellow flowers; leaflets 4 - 6 pairs.

Distrib.: In most of the districts.

Cassia pumila Lam. Encycl. 1 : 651. 1785; Baker in Hook. f. Fl. Brit. India 2 : 266. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A procumbent undershrub.

Distrib.: In most of the districts.

Cassia renigera Wall. ex Benth. in Trans. Linn. Soc. London 27 : 518. 1871; Baker in Hook. f. Fl. Brit. India 2 : 262. 1878.

A tree, planted in gardens.

Cassia roxburghii DC. Prodr. 2 : 489. 1825; Wight, Ill. 1 : t. 83. 1840. *C. marginata* Roxb. Fl. Ind. 2 : 338. 1832; Baker in Hook. f. Fl. Brit. India 2 : 262. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

Tamil: *Vakai*.

A small deciduous tree.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai, South Arcot, Tiruchchirappalli (Matthew 1981).

Cassia senna L. Sp. Pl. 377. 1753. *C. angustifolia* Vahl, Symb. Bot. 1 : 29. 1790; Baker in Hook. f. Fl. Brit. India 2 : 264. 1878; Gamble, Fl. Pres. Madras 1 : 286. 1957 (repr. ed.).

Tamil: *Tinnevelly Senna, Nilavirai*.

A small shrub or herb, cultivated for medicinal purposes.

Cassia siamea Lam. Encycl. 1 : 648. 1785; Baker in Hook. f. Fl. Brit. India 2 : 264. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.). *C. florida* Vahl, Symb. Bot. 3 : 57. 1794; Bedd. Fl. Sylv. t. 179. 1872.

Tamil: *Manjakonnai*.

A moderate-sized tree, planted in avenues, now naturalised in forest areas.

Cassia sophera L. Sp. Pl. 379. 1753; Baker in Hook. f. Fl. Brit. India 2 : 262. 1878; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

Tamil: *Ponnavarai*.

A small shrub.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Ramanathapuram.

Cassia suffruticosa Koen. ex Roth, Nov. Pl. Sp. 213. 1821; Singh in Bull. Bot. Surv. India 18 : 91. 1976. *C. glauca* Lam. var. *suffruticosa* (Koen. ex Roth) Baker in Hook. f. Fl. Brit. India 2 : 265. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A shrub.

Distrib.: "Deccan and Carnatic" (Gamble 1957). R.

Cassia surattensis Burm. f. Fl. Ind. 97. 1768. *C. glauca* Lam. Encycl. 1 : 647. 1785; Baker in Hook. f. Fl. Brit. India 2 : 265. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A small tree, planted in gardens.

Cassia timoriensis DC. Prodr. 2 : 499. 1825; Baker in Hook. f. Fl. Brit. India 2 : 265. 1878; Gamble, Fl. Pres. Madras 1 : 285. 1957 (repr. ed.).

A small tree.

Distrib.: Nilgiri, Salem.

Cassia tomentosa L.f. Suppl. Pl. 231. 1781; Baker in Hook. f. Fl. Brit. India 2 : 263. 1878; Fyson, Fl. South Indian Hill St. 2 : t. 141. 1932; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

An introduced conspicuous shrub with showy yellow flowers, now run wild in the hills.

Cassia tora L. Sp. Pl. 376. 1753; Baker in Hook. f. Fl. Brit. India 2 : 263. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 284. 1957 (repr. ed.).

Tamil: *Tagarai*.

A herb with long curved pods; leaflets 3 pairs.

Distrib.: In most of the districts.

Ceratonia siliqua L. Sp. Pl. 1026. 1753; Matthew in Rec. Bot. Surv. India 20(1) : 76. 1969.

A tree, cultivated for its pulpy edible fruits.

Cynometra cauliflora L. Sp. Pl. 382. 1753; Baker in Hook. f. Fl. Brit. India 2 : 268. 1878; Gamble, Fl. Pres. Madras 1 : 293. 1957 (repr. ed.).

A tree; leaflets 2.

Distrib.: Chengalpattu, Tirunelveli.

Cynometra travancorica Bedd. Fl. Sylv. t. 316. 1872; Baker in Hook. f. Fl. Brit. India 2 : 267. 1878; Gamble, Fl. Pres. Madras 1 : 293. 1957 (repr. ed.).

A lofty tree; leaves with one pair of leaflets.

Distrib.: Tirunelveli.

Delonix elata (L.) Gamble, Fl. Pres. Madras 396. 1919 & 1 : 280. 1957 (repr. ed.). *Poinciana elata* L. Cent. Pl. 2 : 16.

1756; Baker in Hook. f. Fl. Brit. India 2 : 260. 1878; Bedd. Fl. Sylv. t. 178. 1872.

Tamil: *Padenarayan*.

A medium-sized tree.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Tiruchchirappalli (RHT); Dharmapuri, Salem and South Arcot (Matthew 1981). R.

Delonix regia (Boj. ex Hook.) Rafin. Fl. Tellur. 2 : 92. 1837; Gamble, Fl. Pres. Madras 1 : 280. 1957 (repr. ed.). *Poinciana regia* Boj. ex Hook. in Bot. Mag. t. 2884. 1829.

A large tree with crimson flowers, planted in gardens and avenues.

Hardwickia binata Roxb. Pl. Cor. t. 209. 1811; Baker in Hook. f. Fl. Brit. India 2 : 270. 1878; Gamble, Fl. Pres. Madras 1 : 292. 1957 (repr. ed.).

Tamil: *Acha*.

A large deciduous tree with small yellowish flowers.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, North Arcot, Salem, South Arcot (Matthew 1981), Tirunelveli.

Humboldtia bourdillonii Prain in J. Asiat. Soc. Bengal 73 : 200. 1904; Gamble, Fl. Pres. Madras 1 : 291. 1957 (repr. ed.).

A moderate-sized tree with pink veined white petals and crimson calyx and scarlet pods.

Distrib.: Tirunelveli.

Humboldtia brunonis Wall. Pl. Asiat. Rar. 3 : 17. t. 233. 1832; Wight, Ic. t. 1606. 1850; Baker in Hook. f. Fl. Brit. India 2 : 274. 1878; Gamble, Fl. Pres. Madras 1 : 291. 1957 (repr. ed.).

A small tree.

Distrib.: Nilgiri (Gamble 1957). R.

Humboldtia decurrense Bedd. ex Oliver in Hooker's Icon. Pl. t. 2368. 1895; Gamble, Fl. Pres. Madras 1 : 291. 1957 (repr. ed.).

A moderate-sized tree in evergreen forests.

Distrib.: Tirunelveli. R.

Humboldtia unijuga Bedd. Fl. Sylv. t. 183. 1872; Baker in Hook. f. Fl. Brit. India 2 : 274. 1878; Gamble, Fl. Pres. Madras 1 : 291. 1957 (repr. ed.).

A moderate-sized tree with crimson flowers.

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

Humboldtia vahliana Wight, Ic. tt. 1607 & 1608. 1850; Baker in Hook. f. Fl. Brit. India 2 : 274. 1878; Gamble, Fl. Pres. Madras 1 : 291. 1957 (repr. ed.).

A moderate-sized tree.

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

Kingiodendron pinnatum (Roxb. ex DC.) Harms in Engler & Prantl, Pflanzenf. 1 : 194. 1897; Gamble, Fl. Pres. Madras 1 : 292. 1957 (repr. ed.). *Hardwickia pinnata* Roxb. ex DC. Prodr. 2 : 487. 1825; Bedd. Fl. Sylv. t. 255. 1872; Baker in Hook. f. Fl. Brit. India 2 : 270. 1878.

Tamil: *Madayansamprani*.

A large evergreen tree reaching 35 m height.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Kanniyakumari, Nilgiri, Salem, Tirunelveli.

Parkinsonia aculeata L. Sp. Pl. 375. 1753; Bedd. Fl. Sylv. t. 91. 1871; Baker in Hook. f. Fl. Brit. India 2 : 260. 1878; Gamble, Fl. Pres. Madras 1 : 281. 1957 (repr. ed.).

A small thorny tree, run wild in all dry districts.

Peltophorum pterocarpum (DC.) Baker ex Heyne, Nutt. Pl. Ned.-Ind. 2 : 755. 1927. *Inga pterocarpum* DC. Prodr. 2 : 441. 1825. *Peltophorum ferrugineum* Benth. Fl. Austral. 2 : 270. 1864.

Tamil: *Ivalvagai, Perungondrai*.

A common avenue tree grown for its ornamental value. E.

Pterolobium hexapetalum (Roth) Sant. & Wagh in Bull. Bot. Surv. India 5 : 108. 1963. *Reichardia hexapetala* Roth, Nov. Pl. Sp. 210. 1821. *Pterolobium lacerans* Wall. ex Wight & Arn. Prodr. 283. 1834; Wight, Ic. t. 196. 1839. *P. indicum* A. Rich. Tent. Fl. Abyss. 1 : 247. 1847; Baker in Hook. f. Fl. Brit. India 2 : 259. 1878; Gamble, Fl. Pres. Madras 1 : 280. 1957 (repr. ed.).

Tamil: *Karindu*.

A straggling troublesome prickly shrub with reddish winged pods.

Distrib.: In most of the districts.

Saraca asoca (Roxb.) Wilde in Blumea 15 : 393. 1968. *Jonesia asoca* Roxb. in Asiat. Res. 4 : 365. 1799; Wight, Ic. t. 206. 1839. *Saraca indica* auct. non L. 1769; Baker in Hook. f. Fl. Brit. India 2 : 271. 1878; Gamble, Fl. Pres. Madras 1 : 289. 1957 (repr. ed.).

Tamil: *Asoka*.

A small tree with bright orange scarlet flowers, frequently planted.

Schizolobium excelsum Vog. in Linnaea 11 : 399. 1839; Matthew in Rec. Bot. Surv. India 20(1) : 76. 1969.

A spreading tree, grown in gardens for ornament; flowers bright yellow, in large panicles.

Tamarindus indica L. Sp. Pl. 34. 1753; Bedd. Fl. Sylv. t. 184. 1872; Baker in Hook. f. Fl. Brit. India 2 : 273. 1878; Gamble, Fl. Pres. Madras 1 : 290. 1957 (repr. ed.).

Tamil: *Puli*.

A large tree, cultivated and naturalised in plains. E.

MIMOSACEAE

E. VAJRAVELU

Acacia armata R. Br. in Ait. Hort. Kew. ed. 2 5 : 462. 1813.

A tree, cultivated in the hills.

Acacia auriculiformis A. Cunn. ex Benth. in London J. Bot. 1 : 377. 1842.

A medium-sized tree, cultivated in gardens, parks and lawns for the graceful pendent phyllodes.

Acacia baileyana F.v. Muell. in Trans. & Proc. Roy. Soc. Victoria 24 : 168. 1887; Matthew in Rec. Bot. Surv. India 20(1) : 82. 1969.

A graceful glabrous tree grown in the hills.

Acacia caesia (L.) Willd. Sp. Pl. 4 : 1090. 1806; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.). *Mimosa caesia* L. Sp. Pl. 522. 1753 p.p. *Acacia intsia* Willd. var. *caesia* (L.) Baker in Hook. f. Fl. Brit. India 2 : 297. 1878.

A climbing shrub with large prickles.

Distrib.: In most of the districts.

Acacia catechu (L.f.) Willd. Sp. Pl. 4 : 1079. 1806; Baker in Hook. f. Fl. Brit. India 2 : 295. 1878; Gamble, Fl. Pres. Madras 1 : 303. 1957 (repr. ed.). *Mimosa catechu* L.f. Suppl. Pl. 439. 1781.

Tamil: *Karangalli*.

A moderate-sized deciduous tree.

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

Acacia chundra (Roxb. ex Rottl.) Willd. Sp. Pl. 4 : 1078. 1806; Bedd. Fl. Sylv. t. 50. 1870, "*sandra*"; Baker in Hook. f. Fl. Brit. India 2 : 295. 1878; Gamble, Fl. Pres. Madras 1 : 303. 1957 (repr. ed.) "*sundra*". *Mimosa chundra* Roxb. ex Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 207. 1803.

Tamil: *Karangali*.

A moderate-sized tree.

Distrib.: In most of the districts.

Acacia confusa Merr. in Philipp. J. Sci. 5 : 27. 1910.

A tree grown in gardens.

Acacia cultriformis A. Cunn. ex G. Don, Gen. Syst. 2 : 406. 1832.

A tree grown in the gardens, in the hills.

Acacia cunninghamii Hooker's Icon. Pl. t. 165. 1837; Matthew in Rec. Bot. Surv. India 20(1) : 85. 1969.

A glabrous small tree, grown in the hills.

Acacia cyanophylla Lindl. in Edward's Bot. Reg. 25 : 45. 1839; Matthew in Rec. Bot. Surv. India 20(1) : 84. 1969.

A shrub, grown in the hills.

Acacia dealbata Link, Enum. Pl. Hort. Berol. 445. 1822; Baker in Hook. f. Fl. Brit. India 2 : 282. 1878; Fyson, Fl. South Indian Hill St. 2 : t. 144. 1932; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.).

An evergreen tree with silvery foliage, densely tomentose branchlets and bright yellow heads, grown for its bark. "Silvery Wattle".

Acacia decora Reichb. Ic. Exot. t. 199. 1827-1830.

A tree, grown in the gardens.

Acacia decurrens (Wendl.) Willd. Sp. Pl. 4 : 1072. 1806; Gamble, Fl. Pres. Madras 1 : 305. 1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20(1) : 81. 1969. *Mimosa decurrens* Wendl. Bot. Beobacht. 57. 1798.

Tamil: *Semai velampattai*.

An erect tree with angled branchlets and glabrous foliage, planted.

Acacia eburnea (L.f.) Willd. Sp. Pl. 4 : 1081. 1806; Baker in Hook. f. Fl. Brit. India 2 : 293. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.). *Mimosa eburnea* L.f. Suppl. Pl. 437. 1781.

Tamil: *Chilodai, Udaivel*.

A small tree with large, ivory white flowers.

Distrib.: Chengalpattu, Coimbatore (Gamble 1957), Tiruchchirappalli (Matthew 1981), Tirunelveli.

Acacia elata A. Cunn. ex Benth. in London J. Bot. 1 : 383. 1842; Matthew in Rec. Bot. Surv. India 20(1) : 83. 1969.

An erect lofty evergreen pyramidal tree, planted in the hills.

Acacia farnesiana (L.) Willd. Sp. Pl. 4 : 1083. 1806; Baker in Hook. f. Fl. Brit. India 2 : 292. 1878. *Mimosa farnesiana* L. Sp. Pl. 521. 1753. *Vachellia farnesiana* (L.) Wight & Arn. Prodr. 272. 1834; Wight, Ic. t. 300. 1840.

Tamil: *Veddayala*.

A thorny small tree or shrub with fragrant, bright yellow flower heads.

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

Acacia ferruginea DC. Prodr. 2 : 458. 1825; Bedd. Fl. Sylv. t. 51. 1870; Baker in Hook. f. Fl. Brit. India 2 : 295. 1878; Gamble, Fl. Pres. Madras 1 : 303. 1957 (repr. ed.).

Tamil: *Velvelam*.

A large deciduous tree with glaucous leaves.

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

Acacia hohneckeri Craib in Kew Bull. 1915: 408. 1915; Gamble, Fl. Pres. Madras 1 : 303. 1957 (repr. ed.).

A scandent shrub.

Distrib.: Nilgiri.

Acacia homalophylla A. Cunn. ex Benth. in London J. Bot. 1 : 365. 1842.

A tree, grown in gardens.

Acacia horrida (L.f.) Willd. Sp. Pl. 4 : 1082. 1806. *Mimosa horrida* L.f. Suppl. Pl. 438. 1781. *Acacia latronum* (L.f.) Willd. Sp. Pl. 4 : 1077. 1806; Wight, Ic. t. 1157. 1846; Baker in Hook. f. Fl. Brit. India 2 : 296. 1878; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.). *Mimosa latronum* L.f. Suppl. Pl. 438. 1781.

Tamil: *Karodei, Odasithai, Anaimullu*.

A small tree with hollow white spines.

Distrib.: In most of the districts.

Acacia leucophloea (Roxb.) Willd. Sp. Pl. 4 : 1083. 1806; Bedd. Fl. Sylv. t. 48. 1870; Baker in Hook. f. Fl. Brit. India 2 : 294. 1878; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.). *Mimosa leucophloea* Roxb. Pl. Cor. t. 150. 1800.

Tamil: *Velvelam, Vellavelan.*

A large tree.

Distrib.: Almost all districts.

Acacia lindleyi Meissn. in Lehm. Pl. Preiss. 1 : 14. 1844; Matthew in Rec. Bot. Surv. India 20(1) : 84. 1969.

An erect, glabrous, glaucous shrub, grown in the hills.

Acacia longifolia Willd. Sp. Pl. 4 : 1052. 1806; Fyson, Fl. South Indian Hill. St. 2 : t. 145. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 85. 1969.

An erect tree, grown in gardens.

Acacia maidenii F.v. Muell. in Macl. Mem. Linn. Soc. N. S. Wales 222. f. 29. 1893; Matthew in Rec. Bot. Surv. India 20 (1) : 84. 1969.

An erect, glabrous tree, planted in the hills.

Acacia mearnsii Wilde, Pl. Bequaert. 3 : 61. 1925, "*mearnsii*"; Matthew in Rec. Bot. Surv. India 20(1) : 80. 1969.

Tamil: *Chauvukku.*

A tall evergreen tree with pale yellow heads, planted in the hills.

Acacia melanoxylon R. Br. in Ait. Hort. Kew. ed. 2. 5 : 462. 1813; Baker in Hook. f. Fl. Brit. India 2 : 292. 1878; Fyson, Fl. South Indian Hill St. 2 : t. 143. 1932; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.).

Tamil: *Therchavukku.*

A glabrous tree with bipinnate leaves when young; planted in the hills. E.

Acacia myrtifolia Willd. Sp. Pl. 4 : 1054. 1806.

A tree, grown in gardens.

Acacia nerifolia A. Cunn. ex Benth. in London J. Bot. 1 : 357. 1842.

A tree, grown in gardens.

Acacia nilotica (L.) Willd. ex Del. subsp. *indica* (Benth.) Brenan in Kew Bull. 12 : 84. 1957. *A. arabica* (Lam.) Willd. var. *indica* Benth. in London. J. Bot. 1 : 500. 1842. *A. arabica* acut. non (Lam.) Willd. 1806; Bedd. Fl. Sylv. t. 47. 1869; Baker in Hook. f. Fl. Brit. India 2 : 293. 1878; Gamble, Fl. Pres. Madras 1 : 301. 1957 (repr. ed.).

Tamil: *Karuvelam.*

A medium-sized thorny tree; also cultivated.

Distrib.: In most of the districts. E.

Acacia pennata (L.) Willd. Sp. Pl. 4 : 1090. 1806; Baker in Hook. f. Fl. Brit. India 2 : 297. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.). *Mimosa pennata* L. Sp. Pl. 522. 1753.

A large scandent shrub with stout prickles.

Distrib.: In most of the districts.

Acacia planifrons Wight & Arn. Prodr. 276. 1834; Baker in Hook. f. Fl. Brit. India 2 : 293. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.).

Tamil: *Kodaivelam.*

A thorny tree with an umbrella-shaped top.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai (Gamble 1957), Ramanathapuram, Salem (Wealth of India 1948), Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Acacia podalyriifolia A. Cunn. ex G. Don, Gen. Syst. 2 : 405. 1832; Matthew in Rec. Bot. Surv. India 20(1) : 83. 1969.

A small spreading tree, planted in the hills.

Acacia polycantha Willd. Sp. Pl. 4 : 1079. 1806. *A. suma* (Roxb.) Buch.- Ham. ex Voigt, Hort. Sub. Calc. 260. 1845;

Baker in Hook. f. Fl. Brit. India 2 : 294. 1878; Gamble, Fl. Pres. Madras 1 : 303. 1957 (repr. ed.). *Mimosa suma* Roxb. Fl. Ind. 2 : 563. 1832.

A medium-sized tree with white flowers.

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

Acacia pruinosa A. Cunn. ex Benth. in London J. Bot. 1 : 384. 1842.

A tree grown in gardens.

Acacia pulchella R. Br. in Ait. Hort. Kew. ed. 2. 5 : 464. 1813.

A tree, planted in gardens.

Acacia pycnantha Benth. in London J. Bot. 1 : 351. 1842.

A tree, planted in the hills.

Acacia retinodes Schlecht. in Linnæa 20 : 664. 1847; Fyson, Fl. South Indian Hill St. 1 : 186. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 86. 1969.

A glabrous tree, planted in the hills.

Acacia sinuata (Lour.) Merr. in Trans. Amer. Philos. Soc. n.s. 24(2) : 186. 1935. *Mimosa sinuata* Lour. Fl. Cochinch. 653. 1790. *Acacia concinna* (Willd.) DC. Prodr. 2 : 464. 1825; Baker in Hook. f. Fl. Brit. India 2 : 296. 1878; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.). *Mimosa concinna* Willd. Sp. Pl. 4 : 1039. 1806. *A. rugata* Buch.-Ham. ex Benth. in London J. Bot. 1 : 514. 1842; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.).

Tamil: *Stigakai*, *Seekai*, *Shivakai*.

A very prickly, stout, climbing shrub.

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

Acacia tomentosa Willd. Sp. Pl. 4 : 1087. 1806; Baker in Hook. f. Fl. Brit. India 2 : 294. 1878; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.).

Tamil: *Anaimulli*.

A small tree with large broad based spines.

Distrib.: Coimbatore (Gamble 1957), Tirunelveli.

Acacia torta (Roxb.) Craib in Kew Bull. 1915 : 410. 1915; Gamble, Fl. Pres. Madras 1 : 304. 1957 (repr. ed.). *Mimosa torta* Roxb. Fl. Ind. 2 : 566. 1832. *Acacia caesia* auct. non Willd. 1806; Wight & Arn. Prodr. 278. 1834.

Tamil: *Ingi*.

A large, prickly, climbing shrub.

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

Acacia verticillata Willd. Sp. Pl. 4 : 1049. 1806.

A tree, planted in gardens.

Acacia wightii Baker in Hook. f. Fl. Brit. India 2 : 298. 1878; Gamble, Fl. Pres. Madras 1 : 302. 1957 (repr. ed.).

A small tree with large spines.

Distrib.: Tirunelveli (Gamble 1957).

Adenanthera pavonina L. Sp. Pl. 384. 1753; Bedd. Fl. Sylv. t. 46. 1870; Baker in Hook. f. Fl. Brit. India 2 : 287. 1878; Gamble, Fl. Pres. Madras 1 : 296. 1957 (repr. ed.).

Tamil: *Anai kundumani*.

A deciduous tree.

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

Albizia amara (Roxb.) Boivin. in Encycl. 19(2) : 34. 1838; Bedd. Fl. Sylv. t. 61. 1870; Baker in Hook. f. Fl. Brit. India 2 : 301. 1878; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.). *Mimosa amara* Roxb. Pl. Cor. t. 122. 1799.

Tamil: *Wunja*, *Unjal*, *Usil*.

A moderate-sized deciduous tree.

Distrib.: In most of the districts.

Albizia chinensis (Osbeck) Merr. in Amer. J. Bot. 3 : 575. 1916. *Mimosa chinensis* Osbeck, Dagbok. Ostind. Resa

233. 1757. *Albizia stipulata* (Roxb.) Boivin in Encycl. 19(2) : 33. 1838; Bedd. Fl. Sylv. t. 55. 1870; Baker in Hook. f. Fl. Brit. India 2 : 300. 1878. *Mimosa stipulata* Roxb. Fl. Ind. 2 : 549. 1832, "stipulacea". *Albizia marginata* (Lam.) Merr. in Philipp. J. Sci. 5 : 23. 1910; Gamble, Fl. Pres. Madras 1 : 307. 1957 (repr. ed.). *Mimosa marginata* Lam. Encycl. 1 : 12. 1783.

Tamil: *Pila vagei*.

A large deciduous tree.

Distrib.: Chengalpattu, Nilgiri, Salem (Matthew 1981), Tirunelveli (UCT).

Albizia distachya (Vent.) Macb. in Contr. Gray Herb. N.S. 59 : 3. 1919; Matthew in Rec. Bot. Surv. India 20(1) : 87. 1969. *Mimosa distachya* Vent. Jard. Cels. t. 20. 1800.

A small tree, planted in the hills.

Albizia lathamii Hole in Indian Forest Rec. 4(4) : 153. 1913; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.).

A much branched small tree in deciduous forests.

Distrib.: Ramanathapuram, Tirunelveli (Gamble 1957). R.

Albizia lebbeck (L.) Willd. Sp. Pl. 4 : 1066. 1806; Bedd. Fl. Sylv. t. 53. 1870; Baker in Hook. f. Fl. Brit. India 2 : 298. 1878; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.). *Mimosa lebbeck* L. Sp. Pl. 516. 1753.

Tamil: *Vagai, Kona*.

A large deciduous tree.

Distrib.: In most of the districts. E.

Albizia lophantha (Willd.) Benth. in London J. Bot. 3 : 86. 1844; Baker in Hook. f. Fl. Brit. India 2 : 298. 1878; Gamble, Fl. Pres. Madras 1 : 307. 1957 (repr. ed.). *Acacia lophantha* Willd. Sp. Pl. 4 : 1070. 1806.

A shrub, cultivated and running wild in the hills.

Albizia moluccana Miq. Fl. Ind. Bat. 1 : 26. 1855.

A shrub, cultivated in gardens.

Albizia odoratissima (L.f.) Benth. in London J. Bot. 3 : 88. 1844, var. *odoratissima*; Bedd. Fl. Sylv. t. 54. 1870; Baker in Hook. f. Fl. Brit. India 2 : 299. 1878; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.). *Mimosa odoratissima* L.f. Suppl. Pl. 437. 1781.

Tamil: *Karuvagai*.

A large tree with fragrant flowers.

Distrib.: In most of the districts.

Albizia odoratissima (L.f.) Benth. var. *mollis* Benth. ex Baker in Hook. f. Fl. Brit. India 2 : 299. 1878; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.).

A tree with grey or tawny velvety leaflets.

Distrib.: Coimbatore (Gamble 1957), North Arcot.

Albizia procera (Roxb.) Benth. in London J. Bot. 3 : 89. 1844; Baker in Hook. f. Fl. Brit. India 2 : 299. 1878; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.). *Mimosa procera* Roxb. Pl. Cor. t. 121. 1798.

Tamil: *Konda vaghe*.

A very large deciduous tree.

Distrib.: Coimbatore, North Arcot, Tirunelveli. E.

Albizia thompsonii Brandis in Indian Forester 25 : 284. 1899; Gamble, Fl. Pres. Madras 1 : 306. 1957 (repr. ed.).

A large deciduous tree.

Distrib.: Coimbatore (Gamble 1957). R.

Calliandra brevipes Benth. in J. Bot. (Hooker) 2 : 140. 1840.

A tree, planted in gardens.

Desmanthus virgatus Willd. Sp. Pl. 4 : 1047. 1806; Baker in Hook. f. Fl. Brit. India 2 : 290. 1878; Gamble, Fl. Pres. Madras 1 : 297. 1957 (repr. ed.).

An introduced shrub, planted in gardens.

Dichrostachys cinerea (L.) Wight & Arn. Prodr. 271. 1834; Bedd. Fl. Sylv. 1. 185. 1872; Baker in Hook. f. Fl. Brit. India 2 : 288. 1878; Gamble, Fl. Pres. Madras 1 : 297. 1957 (repr. ed.). *Mimosa cinerea* L. Sp. Pl. 520. 1753, non L. 517. 1753.

Tamil: *Vidathalan, Vedatalla.*

A thorny small tree with twisted pods.

Distrib.: Almost all districts.

Dichrostachys muelleri Benth. Fl. Austral. 2 : 299. 1864; Sundararaj & Nagarajan in J. Bombay Nat. Hist. Soc. 63: 227. 1966.

A much branched, thorny, rigid shrub or small tree, 3-5 m tall.

Distrib.: Ramanathapuram, Tirunelveli.

Dichrostachys santapau Sebastine & Ramam. in Bull. Bot. Surv. India 3 : 359. 1960 (1961).

A much branched, thorny shrub or small tree.

Distrib.: Tirunelveli. R.

Entada pursaetha DC. Prodr. 2 : 425. 1825. *Mimosa entada* L. Sp. Pl. 518. 1753. *Entada scandens* auct. non Benth. 1841; Baker in Hook. f. Fl. Brit. India 2 : 86. 1878; Gamble, Fl. Pres. Madras 1 : 296. 1957 (repr. ed.).

Tamil: *Vattavulli.*

A gigantic woody climber with very small flowers and huge flat pods.

Distrib.: Coimbatore, Kanniyakumari, Salem Tirunelveli.

Leucaena latisiliqua (L.) Gillis in Taxon 23 : 190. 1974. *Mimosa latisiliqua* L. Sp. Pl. 519. 1753. *Leucaena leucocephala* (Lam.) De Wit in Taxon 10 : 53. 1961. *Mimosa leucocephala* Lam. Encycl. 1 : 12. 1783. *Leucaena glauca* auct. non Benth. in J. Bot. (Hooker) 4 : 416. 1842; Baker in Hook. f. Fl. Brit. India 2 : 290. 1878; Gamble, Fl. Pres. Madras 2 : 297. 1957 (repr. ed.).

A small tree with dense, globose, white heads, introduced and now naturalised.

Mimosa intsia L. Sp. Pl. 522. 1753. *M. rubicaulis* Lam. Encycl. 1 : 20. 1783; Baker in Hook. f. Fl. Brit. India 2 : 291. 1878; Gamble, Fl. Pres. Madras 1 : 299. 1957 (repr. ed.).

Tamil: *Ingi, Kattusikkai, Chemba.*

A large prickly shrub.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai (Gamble 1957), North Arcot, Pudukkottai (RHT), Salem, South Arcot, Tiruchchirappalli (RHT).

Mimosa polyancistra Benth. in Trans. Linn. Soc. London 30 : 422. 1875; Gamble, Fl. Pres. Madras 1 : 298. 1957 (repr. ed.).

A straggling thorny shrub.

Distrib.: Chengalpattu.

Mimosa pudica L. Sp. Pl. 518. 1753; Baker in Hook. f. Fl. Brit. India 2 : 291. 1878; Gamble, Fl. Pres. Madras 1 : 298. 1957 (repr. ed.).

Tamil: *Thotalvadi.*

A prostrate prickly undershrub with sensitive leaves and purple heads.

Distrib.: In most of the districts.

Neptunia oleracea Lour. Fl. Cochinch. 654. 1790; Baker in Hook. f. Fl. Brit. India 1 : 285. 1878; Gamble, Fl. Pres. Madras 1 : 295. 1957 (repr. ed.).

Tamil: *Salai, Sundaikkirai.*

An aquatic annual, having radical fibres at the nodes and spongy floats on the internodes.

Distrib.: In most of the districts.

Neptunia plena (Willd.) Benth. in J. Bot. (Hooker) 4 : 355. 1842; Baker in Hook. f. Fl. Brit. India 2 : 286. 1878; Gamble, Fl. Pres. Madras 1 : 295. 1957 (repr. ed.). *Desmanthus plenus* Willd. Sp. Pl. 4 : 1045. 1806.

An undershrub.

Distrib.: Salem (Gamble 1957).

Neptunia triquetra (Willd.) Benth. in J. Bot. (Hooker) 4 : 355. 1842; Baker in Hook. f. Fl. Brit. India 2 : 286. 1878;

Gamble, Fl. Pres. Madras 1 : 295. 1957 (repr. ed.). *Desmanthus triquetrus* Willd. Sp. Pl. 4 : 1045. 1806; Wight, Ic. t. 756. 1844.

A perennial prostrate herb.

Distrib.: Chengalpattu, Coimbatore.

Parkia biglandulosa Wight & Arn. Prodr. 279. 1834; Baker in Hook. f. Fl. Brit. India 2 : 289. 1878.

A handsome tree, planted.

Pithecellobium dulce (Roxb.) Benth. in London J. Bot. 3: 199. 1844; Bedd. Fl. Sylv. t. 188. 1872; Baker in Hook. f. Fl. Brit. India 2 : 302. 1878; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.). *Mimosa dulcis* Roxb. Pl. Cor. t. 99. 1798.

Tamil: *Karapilly, Kodikkapuli*.

A thorny tree, aril of seeds edible.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Tirunelveli, Tiruchchirappalli (RHT); Dharmapuri, Salem and South Arcot (Matthew 1981).

Pithecellobium gracile Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 44. 1864; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.).

A slender shrub or small tree.

Distrib.: Nilgiri.

Pithecellobium monadelphum (Roxb.) Kosterm. in Reinwardtia 3 : 11. 1954. *Mimosa monadelpha* Roxb. Fl. Ind. 2 : 544. 1832. *Pithecellobium bigeminum* auct. non (L.) Mart. ex Benth. 1844; Baker in Hook. f. Fl. Brit. India 2 : 303. 1878; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.). "*Pithecolobium*".

Tamil: *Kalpakku*.

An unarmed medium-sized tree.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tirunelveli.

Pithecellobium subcoriaceum Thw. Enum. Pl. Zeyl. 100. 1859; Baker in Hook. f. Fl. Brit. India 2 : 305. 1878; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.). *P. anamalayanum* Bedd. Fl. Sylv. t. 189. 1872.

Tamil: *Malairagei*.

A small tree.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Pithecellobium umbellatum (Vahl) Benth. in London J. Bot. 3 : 202. 1844; Baker in Hook. f. Fl. Brit. India 2 : 303. 1878; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.). *Mimosa umbellatum* Vahl, Symb. Bot. 2 : 103. 1791.

Tamil: *Iyamalai*.

A small tree.

Distrib.: Thanjavur.

Prosopis chilensis (Molina) Stuntz in U.S.D.A. Bur. Pl. Industr. Invent. Seeds 31 : 85. 1914. *Ceratonia chilensis* Molina, Sagg. Chil. 172. 1782. *Prosopis juliflora* (Sw.) DC. Prodr. 2 : 447. 1825. *Mimosa juliflora* Sw. Prodr. 85. 1788.

A small armed tree or shrub with spreading branches, introduced and run wild, in the plains.

Prosopis cineraria (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3 : 422. 1914. *Mimosa cineraria* L. Sp. Pl. 517. 1753, "*cinerea*". *Prosopis spicigera* L. Mant. Pl. 68. 1767; Bedd. Fl. Sylv. t. 56. 1870; Baker in Hook. f. Fl. Brit. India 2 : 288. 1878; Gamble, Fl. Pres. Madras 1 : 297. 1957 (repr. ed.).

Tamil: *Seemaimullu, Perumbe*.

A small or moderate-sized deciduous thorny tree.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, Thanjavur, Tiruchchirappalli; Dharmapuri and South Arcot (Matthew 1981).

Prosopis glandulosa Torrey in Ann. Lyceum Nat. Hist. New York 2 : 192. t. 2. 1827, var. *glandulosa*; Johnston in Brittonia 14 : 82. 1962; Burkart in J. Arnold Arbor. 57 : 564. 1976.

A tall shrub or small tree with axillary spines, introduced and run wild.

Prosopis glandulosa Torrey var. *torreyana* (Benson) Johnston in Brittonia 14 : 82. 1962. *P. juliflora* DC. var. *torreyana* Benson in Amer. J. Bot. 28 : 751. f. 4. 1941.

A shrub or small tree, introduced.

Samanea saman (Jacq.) Merr. in J. Wash. Acad. Sci. 6 : 47. 1916. *Mimosa samanea* Jacq. Frag. 15. t. 19. 1809. *Enterolobium saman* (Jacq.) Prain ex King in J. Asiat. Soc. Bengal 66 : 252. 1898; Gamble, Fl. Pres. Madras 1 : 308. 1957 (repr. ed.).

Tamil: *Thungumoonji*.

A tree with spreading canopy, grown in avenues. The Rain Tree.

ROSACEAE V. CHITHRA

Alchemilla indica Gard. in Calcutta J. Nat. Hist. 8 : 8. 1847, var. *indica*; Hook. f. Fl. Brit. India 2 : 361. 1878; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.). *A. vulgaris* sensu Wight, Ic. t. 229. 1839, non L. 1753.

A perennial silky herb, chiefly at high elevations, on open grassland.

Distrib.: Madurai, Nilgiri.

Alchemilla indica Gard. var. *madurensis* (Rothm.) Panigrahi & Purohit in Orissa Bot. Soc. Abstracts 4. 1981. *A. ceylanica* Moon var. *madurensis* Rothm. in Notizbel. Bot. Gart. Berlin-Dahlem 12(114) : 487. 1935.

A perennial herb.

Distrib.: Madurai (Sauliere 71, K.).

Chaenomeles speciosa (Sweet) Nakai in Jap. J. Bot. 4 : 331. 1929. *Cydonia speciosa* Sweet in Bot. Mag. t. 692. 1803. *Chaenomeles lagenaria* (Loisel.) Koidz. in Bot. Mag. (Tokyo) 23 : 173. 1909. *Cydonia lagenaria* Loisel. in Duham. Traité Arb. Arbust. 6 : 255. t. 76. 1815.

A spreading, deciduous, rounded shrub up to 2 m tall; cultivated. E.

Cotoneaster bacillaris Wall. ex Lindl. in Edward's Bot. Reg. 15 : t. 1229. 1829; Hook. f. Fl. Brit. India 2 : 384. 1878.

A deciduous shrub or small tree, cultivated in gardens. E.

Cotoneaster buxifolia Wall. ex Wight, Ic. t. 992. 1845; Hook. f. Fl. Brit. India 2 : 387. 1878; Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.).

A small bushy shrub.

Distrib.: Madurai (HIFP), Nilgiri.

Cotoneaster microphyllus Wall. ex Lindl. in Bot. Reg. 13 : t. 1114. 1827; Hook. f. Fl. Brit. India 2 : 387. 1878.

A dwarf, dense, usually procumbent, much branched shrub; cultivated in gardens. E.

Eriobotrya japonica (Thunb.) Lindl. in Trans. Linn. Soc. London 13 : 102. 1821; Wight, Ic. t. 226. 1839; Hook. f. Fl. Brit. India 2 : 372. 1878; Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.). *Mespilus japonica* Thunb. Fl. Jap. 266. 1784.

Tamil: *Nokkiamaram, Hakotta*.

An evergreen spreading tree, occasionally cultivated in hill stations; the Loquat. E.

Fragaria chiloensis (L.) Duchesne, Hist. Nat. Frais. 165. 1766. *F. vesca* L. var. *chiloensis* L. Sp. Pl. 495. 1753.

A stout, stoloniferous herb with rather long spreading hairs; the garden Strawberry.

Distrib.: ".....in Madras....." (Wealth of India 1969). E.

Fragaria elatior Ehrh. Beitr. 7 : 23. 1792; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.).

Cultivated in hill gardens; the Strawberry.

Fragaria nilgerrensis Schlecht. ex Gay in Ann. Sci. Nat. Bot. ser. 4. 8 : 206. 1857; Hook. f. Fl. Brit. India 2 : 344. 1878; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.). *F. elatior* Wight & Arn. Prodr. 300. 1834, non Ehrh. 1792; Wight, Ic. t. 988. 1845.

A stout, creeping herb.

Distrib.: Madurai, Nilgiri. E.

Fragaria vesca L. Sp. Pl. 494. 1753; Hook. f. Fl. Brit. India 2 : 344. 1878 p.p.

A herb, cultivated. E.

Kerria japonica (L.) DC. in Trans. Linn. Soc. London 12 : 157. 1817. *Rubus japonicus* L. Mant. Pl. 2 : 245. 1771.

A deciduous shrub, cultivated in gardens. E.

Malus baccata (L.) Borkh. Handb. Forstbot. 2 : 1280. 1803. *Pyrus baccata* L. Mant. Pl. 1 : 75. 1767; Hook. f. Fl. Brit. India 2 : 373. 1878.

A small deciduous tree, cultivated. "Siberian Crab Apple". E.

Malus sylvestris (L.) Mill. Gard. Dict. ed. 8. n. 1. 1768. *Pyrus malus* L. var. *sylvestris* L. Sp. Pl. 479. 1753.

A deciduous tree up to 6 m tall; cultivated in the hills. "Apple". E.

Photinia integrifolia Lindl. var. *sub-lanceolata* Miq. Fl. Ind. Bat. 1(1) : 387. 1857. *P. notoniana* Wight & Arn. Prodr. 302. 1834; Wight, Ic. t. 991. 1845; Hook. f. Fl. Brit. India 2 : 380. 1878; Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.).

A tree with reddish-brown scaly bark, in evergreen forests.

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

Photinia serratifolia (Desf.) Kalkman in Blumea 21 : 424. 1973, var. *serratifolia*. *Crataegus serratifolia* Desf. Cat. Hort. Paris ed. 3. 408. 1829. *Photinia lindleyana* Wight & Arn. Prodr. 302. 1834; Wight, Ic. t. 228. 1839; Hook. f. Fl. Brit. India 2 : 380. 1878; Gamble, Fl. Pres. Madras 1 : 315. 1957 (repr. ed.).

A small tree in shola forests.

Distrib.: Nilgiri.

Photinia serratifolia (Desf.) Kalkman var. *tomentosa* (Gamble) Vivek. & Shetty

comb. nov. *P. lindleyana* Wight & Arn. var. *tomentosa* Gamble, Fl. Pres. Madras 445. 1919 & 1 : 315. 1957 (repr. ed.).

A small tree, chiefly in sholas.

Distrib.: Nilgiri.

**Potentilla indica* (Andr.) Wolf in Asch. & Graebn. Syn. Mitt. Fl. 6(1) : 661. 1904. *Fragaria indica* Andr. Bot. Repos. 7 : t. 479. 1807; Wight, Ic. t. 989. 1845; Hook. f. Fl. Brit. India 2 : 343. 1878; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.).

A small creeper, in shady damp localities.

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

Potentilla leschenaultiana Ser. in DC. Prodr. 2 : 584. 1825; Wight, Ic. t. 990. 1845; Hook. f. Fl. Brit. India 2 : 350. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.).

A perennial herb.

Distrib.: Madurai, Nilgiri.

Potentilla sundaica (Blume) Kuntze, Rev. Gen. Pl. 1 : 219. 1891. *Fragaria sundaica* Blume, Bijdr. 1106. 1826-1827. *Potentilla kleiniana* Wight & Arn. in Wight, Ill. 1 : t. 85. 1831 & Prodr. 300. 1834; Hook. f. Fl. Brit. India 2 : 359. 1878; Gamble, Fl. Pres. Madras 1 : 314. 1957 (repr. ed.).

A prostrate herb in grassy localities and agricultural fields.

Distrib.: Nilgiri (HIFP). E.

Prinsepia utilis Royle, Ill. t. 38. f. 1. 1834; Hook. f. Fl. Brit. India 2 : 323. 1878; Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.).

A deciduous scandent shrub.

Distrib.: Nilgiri. E.

Prunus armeniaca L. Sp. Pl. 474. 1753; Hook. f. Fl. Brit. India 2 : 313. 1878.

A deciduous tree, cultivated; the Apricot. E.

**Potentilla* L. sensu lato, as treated by Kalkman in Blumea 16: 325-354. 1969 is followed.

Prunus avium L. Fl. Succ. ed. 2. 165. 1755; Hook. f. Fl. Brit. India 2 : 313. 1878.

A tree; bark reddish-brown, peeling off in paper like strips; cultivated; the Cherry. E.

Prunus cerasoides D. Don, Prodr. Fl. Nep. 239. 1825. *P. puddum* (Roxb. ex Ser.) Roxb. ex Brandis, For. Fl. 194. 1874; Hook. f. Fl. Brit. India 2 : 314. 1878. *Cerasus puddum* Roxb. ex Ser. in DC. Prodr. 2 : 537. 1825.

A deciduous, glabrous tree, cultivated; "Indian Wild cherry". E.

Prunus ceylanica (Wight) Miq. Fl. Ind. Bat. 1 : 366. 1855. *Polydonta? ceylanica* Wight, Ill. 1 : 203. 1840, "*Polydonta*"; Wight, Ic. t. 256. 1840. *Pygeum acuminatum* Coleb. in Trans. Linn. Soc. London 12 : 360. t. 18. 1818, non *Prunus acuminata* Michx. 1803; Hook. f. Fl. Brit. India 2 : 318. 1878; Gamble, Fl. Pres. Madras 1 : 311. 1957 (repr. ed.). *P. wightianum* Blume ex C. Muell. in Walp. Ann. 4 : 642. 1858; Hook. f. Fl. Brit. India 2 : 319. 1878; Gamble, Fl. Pres. Madras 1 : 311. 1957 (repr. ed.). *P. gardneri* Hook. f. Fl. Brit. India 2 : 321. 1878; Gamble, Fl. Pres. Madras 1 : 311. 1957 (repr. ed.). *P. sispurensis* Gamble in Kew Bull. 1918 : 238. 1918 & Fl. Pres. Madras 1 : 311. 1957 (repr. ed.).

Tamil: *Palankacchi*.

A tree.

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

Prunus domestica L. Sp. Pl. 475. 1753 p.p.

A deciduous tree, cultivated; Plum. E.

Prunus laurocerasus L. Sp. Pl. 474. 1753.

A shrub or small tree, cultivated. E.

Prunus persica (L.) Batsch, Beytr. Entw. Pragm. Gesch. Naturr. 30. 1801; Hook. f. Fl. Brit. India 2 : 313. 1878;

Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.). *Amygdalus persica* L. Sp. Pl. 472. 1753.

A spreading tree, cultivated; the Peach. E.

Prunus salicina Lindl. in Trans. Hort. Soc. London 7 : 239. 1830. *P. triflora* Roxb. Fl. Ind. 2 : 501. 1832, "*trifolia*"; Hook. f. Fl. Brit. India 2 : 315. 1878.

A deciduous tree, cultivated; "Japanese Plum". E.

Prunus serrulata Lindl. in Trans. Hort. Soc. London 7 : 238. 1830.

A tree with white, red or yellowish green flowers.

Distrib.: "The tree is reported to be grown in Nilgiris....." (Wealth of India 1969). E.

Pyrus communis L. Sp. Pl. 479. 1753; Hook. f. Fl. Brit. India 2 : 374. 1878; Gamble, Fl. Pres. Madras 1 : 316. 1957 (repr. ed.).

Tamil: *Nattu Perai*.

A spreading deciduous tree, cultivated; the Pear. E.

Quillaja saponaria Molina, Sagg. Chil. 175 : 354. 1782.

A tree, cultivated in gardens. E.

Rosa banksiae R. Br. in Ait. Hort. Kew. ed. 2 : 3 : 256. 1811; Hook. f. Fl. Brit. India 2 : 364. 1878.

An evergreen, unarmed climber, cultivated. E.

Rosa brunonii Lindl. Ros. Monog. 120. t. 14. 1820. *R. moschata* auct. non Herrm. 1762; Hook. f. Fl. Brit. India 2 : 364. 1878.

A straggling shrub, usually cultivated in hill stations. E.

Rosa centifolia L. Sp. Pl. 491. 1753; Hook. f. Fl. Brit. India 2 : 364. 1878.

Tamil: *Irosa*.

An armed, evergreen shrub, cultivated; "Cabbage Rose". E.

Rosa damascena Mill. Gard. Diet. ed. 8. n. 15. 1768; Hook. f. Fl. Brit. India 2 : 364. 1878.

Tamil: *Irosa*.

An evergreen, strongly armed shrub, cultivated. E.

Rosa gigantea Collett ex Crop. in Bull. Soc. Roy. Bot. Belgique 27(2) : 148. 1888.

A climber, cultivated. E.

Rosa indica L. Sp. Pl. 492. 1753; Hook. f. Fl. Brit. India 2 : 364. 1878.

An evergreen, glabrous shrub, cultivated. E.

Rosa leschenaultiana Red. & Thory ex Wight & Arn. Prodr. 301. 1834; Wight, Ic. t. 38. 1838; Hook. f. Fl. Brit. India 2 : 368. 1878; Gamble, Fl. Pres. Madras 1 : 315. 1957 (repr. ed.).

A large, climbing shrub, in shola forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Rubus ellipticus Smith in Rees, Cyclop. 30 : n. 16. 1815; Hook. f. Fl. Brit. India 2 : 336. 1878; Gamble, Fl. Pres. Madras 1 : 313. 1957 (repr. ed.). *R. gowreepul* Roxb. Fl. Ind. 2 : 517. 1832; Wight, Ic. t. 230. 1839.

A large straggling shrub.

Distrib.: Coimbatore, Madurai, Nilgiri (FRC), Salem, Tiruchchirappalli, Tirunelveli; "W. ghats, in all districts" (Gamble 1957). B. E.

Rubus fairholmianus Gard. in Calcutta J. Nat. Hist. 8 : 5. 1847; Gamble, Fl. Pres. Madras 1 : 312. 1957 (repr. ed.). *R. moluccanus* sensu Hook. f. Fl. Brit. India 2 : 330. 1878 p.p., non L. 1753.

A large shrub.

Distrib.: Madurai (CAL & PCM).

Rubus glomeratus Blume, Bijdr. 1111. 1826. *R. fulvus* Focke in Biblioth. Bot. 17 : 81. 1911, non Sudre 1902; Gamble, Fl. Pres. Madras 1 : 313. 1957 (repr. ed.). *R. moluccanus* sensu Hook. f. Fl. Brit. India 2 : 330. 1878 p.p., non L. 1753.

A climbing shrub.

Distrib.: Coimbatore (Gamble 1957), Nilgiri.

Rubus idaeus L. Sp. Pl. 492. 1753; Gamble, Fl. Pres. Madras 1 : 313. 1957 (repr. ed.).

A shrub, cultivated in hill stations; the Raspberry. E.

Rubus indicus Thunb. Diss. Rub. 5 & 7. 1813. *R. wightii* Gamble, Fl. Pres. Madras 440. 1919 & 1 : 312. 1957 (repr. ed.). *R. rugosus* sensu Wight, Ic. t. 225. 1839, non Smith 1815. *R. moluccanus* sensu Hook. f. Fl. Brit. India 2 : 330. 1878 p.p., non L. 1753.

A small shrub with pretty, vine-like leaves.

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

Rubus leucocarpus Arn. Nova Acta Phys. Med. Acad. Caes. Leop. Carol. Nat. Cur. 18 : 16. 1834. *R. lasiocarpus* Smith var. *subglaber* Thw. Enum. Pl. Zeyl. 101. 1859; Hook. f. Fl. Brit. India 2 : 339. 1878. *R. niveus* Thunb. var. *subglaber* (Thw.) Gamble, Fl. Pres. Madras 442. 1919 & 1 : 313. 1957 (repr. ed.).

A straggling shrub.

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

Rubus micropetalus Gard. in Calcutta J. Nat. Hist. 8 : 6. 1847; Gamble, Fl. Pres. Madras 1 : 312. 1957 (repr. ed.). *R. moluccanus* sensu Hook. f. Fl. Brit. India 2 : 330. 1878 p.p., non L. 1753.

A thorny climber with recurved thorns.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Rubus niveus Thunb. Diss. Rub. 9. t. 1. f. 3. 1813. var. *niveus*; Gamble, Fl. Pres. Madras 1 : 313. 1957 (repr. ed.). *R. lasiocarpus* Smith in Rees, Cyclop. 30 : n. 6. 1815; Wight, Ic. t. 232. 1839; Hook. f. Fl. Brit. India 2 : 339. 1878.

A scandent shrub on shola margins and in open forests; leaves usually very white beneath.

Distrib.: Coimbatore, Madurai, Nilgri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli; "W. ghats, in all districts" (Gamble 1957). E.

Rubus racemosus Roxb. Fl. Ind. 2 : 519. 1832; Hook. f. Fl. Brit. India 2 : 340. 1878; Gamble, Fl. Pres. Madras 1 : 313. 1957 (repr. ed.).

A shrubby climber, at high elevations.

Distrib.: Madurai, Nilgiri.

Rubus rugosus Smith in Rees, Cyclop. 30 : n. 34. 1815, var. *rugosus*: Gamble, Fl. Pres. Madras 1 : 312. 1957 (repr. ed.). *R. moluccanus* sensu Hook. f. Fl. Brit. India 2 : 330. 1878 p.p., non L. 1753.

A large shrub.

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

Rubus rugosus Smith var. *thwaitesii* Focke in Biblioth. Bot. 72 : 94. 1911; Gamble, Fl. Pres. Madras 1 : 312. 1957 (repr. ed.).

A large, scandent, spiny shrub with large purple-black fruits, at high levels.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Spiraea canescens D. Don, Prodr. Fl. Nep. 227. 1825; Hook. f. Fl. Brit. India 2 : 325. 1878.

A small, softly tomentose shrub, cultivated in gardens. E.

Spiraea cantoniensis Lour. Fl. Cochinch. 1 : 322. 1790, var. *cantoniensis*. *S. corymbosa* Roxb. Fl. Ind. 2 : 512. 1832; Hook. f. Fl. Brit. India 2 : 326. 1878.

A branched, evergreen shrub, cultivated in gardens. E.

Spiraea cantoniensis Lour. var. *forepleno* Maxim. in Trudy Imp. S. -Peterburgsk. Bot. Sada 6 : 195. 1879.

An evergreen shrub with "double" flowers, cultivated.

Spiraea japonica L. f. Suppl. Pl. 262. 1781.

An erect or straggling shrub, cultivated. E.

Spiraea nipponica Maxim. in Bull. Acad. Imp. Sci. Saint-Petersbourg 31 : 40. 1886.

A somewhat stiff, spreading shrub, cultivated.

CHRYSOBALANACEAE

V. CHITHRA

Atuna indica (Bedd.) Kosterm. in Reinwardtia 7 : 422. 1969. *Entosiphon indicum* Bedd. in Madras J. Lit. Sci. ser. 3. 1 : 45. 1864. *Parinari indicum* (Bedd.) Bedd. Ic. t. 109. 1868-1874; Hook. f. Fl. Brit. India 2 : 311. 1878; Gamble, Fl. Pres. Madras 1 : 310. 1957 (repr. ed.).

A medium-sized evergreen tree.

Distrib.: Nilgiri.

Atuna travancorica (Bedd.) Kosterm. in Reinwardtia 7 : 423. 1969. *Parinari travancoricum* Bedd. Ic. t. 189. 1868-1874; Hook. f. Fl. Brit. India 2 : 311. 1878.

A small graceful tree.

Distrib.: ".....near Courtallam....." (Hook. f. 1878).

Chrysobalanus icaco L. Sp. Pl. 513. 1753; Hook. f. Fl. Brit. India 2 : 307. 1878.

A shrub or small tree, cultivated. E.

VAHLIACEAE

V. CHITHRA

Bistella dichotoma (Murr.) Bullock in Acta Bot. Neerl. 15 : 85. 1966. *Heuchera dichotoma* Murr. in Novi Commen. Soc. Regiae Sci. Gott. 3 : 64. t. 1. 1773. *Vahlia oldenlandioides* Roxb. Fl. Ind. 2 : 89. 1832; Wight, Ic. t. 562. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 399. 1878; Gamble, Fl. Pres. Madras 1 : 317. 1957 (repr. ed.).

A herb.

Distrib.: Almost all districts.

Bistella digyna (Retz.) Bullock in Acta Bot. Neerl. 15 : 85. 1966. *Oldenlandia digyna* Retz. Obs. Bot. 4 : 23. 1786. *Vahlia viscosa* Roxb. Fl. Ind. 2 : 89. 1832; Wight, Ic. t. 563. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 399. 1878; Gamble, Fl. Pres. Madras 1 : 317. 1957 (repr. ed.).

A herb on sandy lands.

Distrib.: Almost all districts.

PARNASSIACEAE

V. CHITHRA

Parnassia mysorensis Heyne ex Wight & Arn. Prodr. 35. 1834; Wight, Ill. 1 : t. 21. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 402. 1878; Gamble, Fl. Pres. Madras 1 : 317. 1957 (repr. ed.).

A herb in damp places or among rocks.

Distrib.: Coimbatore, Madurai, Nilgiri.

Parnassia wightiana Wall. ex Wight & Arn. Prodr. 35. 1834; Wight, Ic. t. 945. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 402. 1878; Gamble, Fl. Pres. Madras 1 : 317. 1957 (repr. ed.).

A scapigerous herb, in boggy places.

Distrib.: Nilgiri.

HYDRANGEACEAE

V. CHITHRA

Hydrangea macrophylla (Thunb.) Ser. in DC. Prodr. 4 : 15. 1830; Sharma et al. in Biol. Mem. 2 (1 & 2) : 55. 1977. *Viburnum macrophyllum* Thunb. Fl. Jap. 125. 1784.

A stout stiff shrub, cultivated as an ornamental. E.

Escallonia macrantha Hook. & Arn. in Bot. Misc. 3 : 341. 1833.

A densely branched shrub, cultivated.

Escallonia montevidensis DC. Prodr. 4 : 4. 1830.

An erect stout bush, cultivated.

CRASSULACEAE

S.R. SRINIVASAN

Aconium arboreum (L.) Webb & Berth. Phyt. Canar. 1 : 185. 1840. *Sempervivum arboreum* L. Sp. Pl. 464. 1753.

An erect undershrub, cultivated in gardens. E.

Crassula quadrifida Baker in Saund. Refug. Bot. t. 398. 1869-1873.

Cultivated in gardens. E.

Kalanchoe bhidei Cooke, Fl. Pres. Bombay 1 : 467. 1903; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

An erect succulent herb in the hills.

Distrib.: Coimbatore (CAL), Madurai.

Kalanchoe grandiflora Wall. ex Wight & Arn. Prodr. 359. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 415. 1878; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

A tall succulent herb with glaucous leaves, in the hills.

Distrib.: Madurai, Nilgiri.

Kalanchoe lanceolata (Forsk.) Pers. Syn. 1 : 446. 1805, var. *lanceolata*. *Cotyledon lanceolata* Forsk. Fl. Aeg.-Arab. 89. 1775. *Kalanchoe floribunda* Wight & Arn. Prodr. 359. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 414. 1878; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

An erect succulent leaved herb on dry hills.

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

Kalanchoe lanceolata (Forsk.) Pers. var. *glabra* (Clarke) Srinivasan comb. nov. *K. floribunda* Wight & Arn. var. *glabra* Clarke in Hook. f. Fl. Brit. India 2 : 415. 1878; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

An erect succulent herb in the hilly regions.

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

Kalanchoe lanceolata (Forsk.) Pers. var. **glandulosa** (Hochst. ex A. Rich.) Cufod. in *Webbia* 19(2) : 730. 1965. *K. glandulosa* Hochst. ex A. Rich. Tent. Fl. Abyss. 1 : 312. 1847; Clarke in Hook. f. Fl. Brit. India 2 : 414. 1878; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

A succulent, thick-stemmed herb, in the hilly regions.

Distrib.: Coimbatore.

Kalanchoe olivacea Dalz. & Gibs. Bombay Fl. 313. 1861; Fischer in Rec. Bot. Surv. India 9 : 78. 1921; Gamble, Fl. Pres. Madras 1 : 391. 1957 (repr. ed.).

An erect succulent herb.

Distrib.: Coimbatore (CAL).

Kalanchoe pinnata (Lam.) Pers. Syn. 1 : 446. 1805. *Cotyledon pinnatum* Lam. Encycl. 2 : 141. 1786. *Bryophyllum calycinum* Salisb. Parad. Lond. t. 3. 1805; Clarke in Hook. f. Fl. Brit. India 2 : 413. 1878. *B. pinnatum* (Lam.) Oken, Allg. Naturgesch. 3 : 1966. 1841; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.).

Tamil: *Rinakalli*.

An erect herb up to 1 m tall, in the plains.

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

Kalanchoe schweinfurthii Penzig in Atti Congr. Bot. Genova 341. 1893. *K. laciniata* sensu Wight, Ic. t. 1158. 1846, non (L.) Pers. 1805; Clarke in Hook. f. Fl. Brit. India 2 : 415. 1878; Gamble, Fl. Pres. Madras 1 : 319. 1957 (repr. ed.). *Cotyledon laciniata* L. Sp. Pl. 430. 1753.

Tamil: *Malakalli*.

A glandular hairy herb.

Distrib.: Almost all districts. E.

Kalanchoe tubiflora Hamet in Beih. Bot. Centralbl. 29(2) : 41. 1912.

A succulent herb in the hills.

Distrib.: Madurai, Salem (Matthew 1981).

Rochea coccinea (L.) DC. Pl. Grass. t. 1. 1810. *Crassula coccinea* L. Sp. Pl. 282. 1753.

A shrub, cultivated in gardens. E.

Tillaea pentandra Royle ex Edgew. in Trans. Linn. Soc. London 20 : 50. 1846; Clarke in Hook. f. Fl. Brit. India 2 : 412. 1878; Gamble, Fl. Pres. Madras 1 : 318. 1957 (repr. ed.).

A small tufted herb on walls and rocks.

Distrib.: "Nilgiris (Hohenacker)" - (Gamble 1957).

DROSERACEAE

S.R. SRINIVASAN

Drosera burmannii Vahl, Symb. Bot. 3 : 50. 1794; Wight, Ic. t. 944. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 424. 1878; Gamble, Fl. Pres. Madras 1 : 320. 1957 (repr. ed.).

An erect herb with leafless scapes up to 15 cm tall, in damp places.

Distrib.: Almost all districts. E.

Drosera indica L. Sp. Pl. 282. 1753; Wight, Ill. 1 : t. 20. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 424. 1878; Gamble, Fl. Pres. Madras 1 : 320. 1957 (repr. ed.).

A straggling leafy herb up to 30 cm tall in wet places.

Distrib.: Almost all districts. E.

Drosera peltata Sm. in Willd. Sp. Pl. 1 : 1546. 1797; Wight, Ill. 1 : t. 20. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 424. 1878; Gamble, Fl. Pres. Madras 1 : 320. 1957 (repr. ed.).

An erect herb up to 30 cm tall.

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

HALORAGACEAE

V. CHITHRA

Laurembergia coccinea (Blume) Kan. in Mart. Fl. Bras. 13(2) : 377. t. 68. 1882, var. **coccinea**, *Epilithes coccinea* Blume, Bijdr. 734. 1826. *Serpicula brevipes* Wight

& Arn. Prodr. 338. 1834; Gamble, Fl. Pres. Madras 1 : 321. 1957 (repr. ed.). *S. hirsuta* Wight & Arn. Prodr. 338. 1834; Wight, Ic. t. 1001. 1843. 1845; Gamble, Fl. Pres. Madras 1 : 321. 1957 (repr. ed.). *S. indica* Thw. Enum. Pl. Zeyl. 123. 1859 p.p., nom. illeg.; Clarke in Hook. f. Fl. Brit. India 2 : 431. 1878.

A small perennial herb.

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

Laurembergia coccinea (Blume) Kan. var. *zeylanica* (Arn. ex Clarke) Meyden in Steenis, Fl. Males. ser. 1. 7 : 248. 1971. *Serpicula zeylanica* Arn. ex Clarke in Hook. f. Fl. Brit. India 2 : 431. 1878. *Laurembergia agastyamalayana* Henry in J. Bombay Nat. Hist. Soc. 62 : 603. 1965.

A monoecious, decumbent herb.

Distrib.: Tirunelveli.

Myriophyllum oliganthum (Wight & Arn.) F. v. Muell. Fragm. Phyt. Austr. 10 : 54. 1876. *Haloragis oligantha* Wight & Arn. Prodr. 338. 1834; Wight, Ic. t. 1061. 1846. *Myriophyllum intermedium* auct. non DC. 1828; Clarke in Hook. f. Fl. Brit. India 2 : 433. 1878; Gamble, Fl. Pres. Madras 1 : 321. 1957 (repr. ed.).

A herb in wet places and ponds.

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

CALLITRICHACEAE

V. CHITHRA

Callitriche stagnalis Scop. Fl. Carn. 2 : 251. 1772; Clarke in Hook. f. Fl. Brit. India 2 : 434. 1878; Gamble, Fl. Pres. Madras 1 : 322. 1957 (repr. ed.). *C. wightiana* Wall. ex Wight & Arn. Prodr. 330. 1834; Wight, Ic. t. 1947. 1853.

A small, flaccid herb, in wet places and ponds.

Distrib.: Madurai, Nilgiri.

RHIZOPHORACEAE

S.R. SRINIVASAN

Bruguiera cylindrica (L.) Blume, Enum. Pl. Jav. 1 : 93. 1827, quoad basionym; Wight & Arn. Prodr. 311. 1834; Gamble, Fl. Pres. Madras 1 : 325. 1957 (repr. ed.). *Rhizophora cylindrica* L. Sp. Pl. 443. 1753. *Bruguiera caryophylloides* (Burm. f.) Blume, Enum. Pl. Jav. 1 : 93. 1827; Henslow in Hook. f. Fl. Brit. India 2 : 438. 1878. *Rhizophora caryophylloides* Burm. f. Fl. Ind. 109. 1768. *Bruguiera malabarica* Arn. in Ann. Mag. Nat. Hist. 1 : 369. 1838; Henslow in Hook. f. Fl. Brit. India 2 : 438. 1878.

Tamil: *Kakandan*.

A small tree in tidal forests.

Distrib.: Ramanathapuram, South Arcot, Tiruchchirappalli (Matthew 1981). E.

Bruguiera gymnorrhiza (L.) Savigny in Lam. Encycl. 4 : 696. 1798, "gymnorhiza"; Henslow in Hook. f. Fl. Brit. India 2 : 437. 1878. *Rhizophora gymnorrhiza* L. Sp. Pl. 443. 1753, "gymnorhiza". *Bruguiera conjugata* Merr. in Philipp. J. Sci. 9 : 118. 1914, non *Rhizophora conjugata* L. 1753; Gamble, Fl. Pres. Madras 1 : 324. 1957 (repr. ed.).

Tamil: *Sigapukokandam*.

A large tree in tidal forests of the East coast.

Distrib.: South Arcot. E.

Carallia brachiata (Lour.) Merr. in Philipp. J. Sci. 15 : 249. 1919. *Diatoma brachiata* Lour. Fl. Cochinch. 296. 1790. *Carallia integerrima* DC. Prodr. 3 : 33. 1828; Henslow in Hook. f. Fl. Brit. India 2 : 439. 1878; Gamble, Fl. Pres. Madras 1 : 325. 1957 (repr. ed.).

A tree in evergreen forests.

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

Cassipourea ceylanica (Gard.) Alston in Kew Bull. 1925 : 251. 1925. *Anstrutheria ceylanica* Gard. in Calcutta J. Nat. Hist. 6 : 345. t. 4. 1846. *Weihea zeylanica*

(Gard.) Baill. in *Adansonia* 3 : 38. 1862; Bedd. Fl. Sylv. t. 194. 1872; Henslow in Hook. f. Fl. Brit. India 2 : 441. 1878; Gamble, Fl. Pres. Madras 1 : 326. 1957 (repr. ed.).

Tamil: *Kanun*.

A small tree at low elevations.

Distrib.: Kanniyakumari, Tirunelveli.

Ceriops decandra (Griff.) Ding Hou in *Stoemia*, Fl. Males. ser. 1. 5 : 471. 1958. *Bruguiera decandra* Griff. in Trans. Med. Soc. Calcutta 8 : 10. 1836. *Ceriops roxburghiana* Arn. in Ann. Nat. Hist. 1 : 364. 1838; Henslow in Hook. f. Fl. Brit. India 2 : 436. 1878; Gamble, Fl. Pres. Madras 1 : 324. 1957 (repr. ed.).

Tamil: *Chirukandal*.

A small tree in tidal forests of East Coast.

Distrib.: South Arcot (HIFP).

Ceriops tagal (Perr.) Robins. in Philipp. J. Sci. 3 : 306. 1908. *Rhizophora tagal* Perr. in Mem. Soc. Linn. Paris 3 : 138. 1824. *Ceriops candolliana* Arn. in Ann. Nat. Hist. 1 : 364. 1838, nom. illeg.; Henslow in Hook. f. Fl. Brit. India 2 : 436. 1878; Gamble, Fl. Pres. Madras 1 : 323. 1957 (repr. ed.).

Tamil: *Pandikutti*.

A small shrub or tree in evergreen forests and in tidal forests of coastal region.

Distrib.: Ramanathapuram, South Arcot. E.

Kandelia candel (L.) Druce in Bot. Exch. Club Soc. Brit. Isles 3 : 420. 1914. *Rhizophora candel* L. Sp. Pl. 443. 1753. *Kandelia rheedii* Wight & Arn. Prodr. 311. 1834, nom. illeg.; Wight, Ill. 1 : t. 89. 1840; Henslow in Hook. f. Fl. Brit. India 2 : 437. 1878; Gamble, Fl. Pres. Madras 1 : 324. 1957 (repr. ed.).

Tamil: *Kandal*.

A shrub or small tree up to 7 m tall in the tidal forests.

Distrib.: South Arcot, E.

Rhizophora apiculata Blume, Enum. Pl. Jav. 1 : 91. 1827. *R. candelaria* DC. Prodr. 3 : 32. 1828; Gamble, Fl. Pres. Madras 1 : 323. 1957 (repr. ed.). *R. conjugata* auct. non L. 1753; Henslow in Hook. f. Fl. Brit. India 2 : 436. 1878.

Tamil: *Kandal*.

A glabrous small tree.

Distrib.: South Arcot.

Rhizophora mucronata Poir. in Lam. Tabl. Encycl. 2 : 517. 1794 & Lam. Tabl. Encycl. 1 : t. 396. f. 2. 1797; Henslow in Hook. f. Fl. Brit. India 2 : 435. 1878; Gamble, Fl. Pres. Madras 1 : 323. 1957 (repr. ed.).

Tamil: *Kandal*.

A large shrub or tree.

Distrib.: Chengalpattu, South Arcot, E.

COMBRETACEAE

M. CHANDRABOSE

Anogeissus acuminata (Roxb. ex DC.) Guill. & Perr. Fl. Seneg. Tent. 7 : 280. 1832; Bedd. Fl. Sylv. t. 16. 1869; Clarke in Hook. f. Fl. Brit. India 2 : 450. 1878; Gamble, Fl. Pres. Madras 2 : 330. 1957 (repr. ed.). *Conocarpus acuminata* Roxb. ex DC. Prodr. 3 : 16. 1828. *Anogeissus acuminata* (Roxb. ex DC.) Guill. & Perr. var. *lanceolata* Wall. ex Clarke in Hook. f. Fl. Brit. India 2 : 451. 1878.

Tamil: *Nunnera*.

A large deciduous tree with rough dark grey bark.

Distrib.: Chengalpattu, Coimbatore, Nilgiri (Scott 1978), Tirunelveli.

Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guill. & Perr. Fl. Seneg. Tent. 7 : 280. 1832; Bedd. Fl. Sylv. t. 15. 1869 incl. var. *villosa* Clarke; Wight, Ic. t. 994. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 450. 1878; Gamble, Fl. Pres. Madras 1 : 330. 1957 (repr. ed.). *Conocarpus latifolia* Roxb. ex DC. Prodr. 3 : 16. 1828.

Tamil: *Vellay naga*.

A large deciduous tree with smooth grey bark.

Distrib.: Almost all districts. E.

Calycopteris floribunda Lam. Tabl. Encycl. 2 : 485. t. 357. 1797; Clarke in Hook. f. Fl. Brit. India 2 : 449. 1878; Gamble, Fl. Pres. Madras 1 : 331. 1957 (repr. ed.). *Getonia floribunda* (Lam.) Roxb. Pl. Cor. t. 87. 1798.

Tamil: *Minnargodi*.

A straggling shrub, in deciduous forests.

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

Combretum albidum G. Don in Trans. Linn. Soc. London 15 : 429. 1827. *C. ovalifolium* Roxb. Fl. Ind. 2 : 226. 1832; Clarke in Hook. f. Fl. Brit. India 2 : 458. 1878; Gamble, Fl. Pres. Madras 1 : 332. 1957 (repr. ed.).

Tamil: *Verragay*.

A large climbing shrub, in deciduous forests.

Distrib.: Almost all districts.

Combretum coccineum (Sonner.) Lam. Encycl. 1 : 734. 1785. *Cristaria coccinea* Sonner. Voy. Ind. Or. Chine 3 : 284. 1782.

A woody climber, cultivated in gardens.

Combretum nanum Buch.-Ham. in D. Don, Prodr. Fl. Nep. 219. 1825; Clarke in Hook. f. Fl. Brit. India 2 : 457. 1878.

A decumbent shrub.

Distrib.: Madurai.

Lumnitzera racemosa Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 187. 1803; Clarke in Hook. f. Fl. Brit. India 2 : 452. 1878; Gamble, Fl. Pres. Madras 1 : 331. 1957 (repr. ed.).

Tamil: *Tipparithai*.

An evergreen tree in mangrove swamps.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot.

Quisqualis indica L. Sp. Pl. ed. 2. 556. 1762; Clarke in Hook. f. Fl. Brit. India 2 : 459. 1878; Gamble, Fl. Pres. Madras 1 : 332. 1957 (repr. ed.).

Tamil: *Irangun-malli*, *Ilgengaramalligai*.

A large climbing ornamental shrub, cultivated.

Distrib.: All districts. E.

Quisqualis malabarica Bedd. Ic. t. 155. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 460. 1878; Gamble, Fl. Pres. Madras 1 : 332. 1957 (repr. ed.).

A large climbing shrub in the hilly tracts.

Distrib.: Nilgiri; "W. Ghats" (Gamble 1957).

Terminalia alata Heyne ex Roth. Nov. Pl. Sp. 379. 1821. *T. tomentosa* (Roxb. ex DC.) Wight & Arn. Prodr. 314. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 447. 1878; Gamble, Fl. Pres. Madras 1 : 329. 1957 (repr. ed.). *Pentaptera tomentosa* Roxb. ex DC. Prodr. 3 : 14. 1828.

Tamil: *Karramarda*.

A large tree in deciduous forests, with rough, much-fissured bark.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli (RHT); Dharmapuri and Salem (Matthew 1981). E.

Terminalia arjuna (Roxb. ex DC.) Wight & Arn. Prodr. 314. 1834; Bedd. Fl. Sylv. t. 28. 1869; Clarke in Hook. f. Fl. Brit. India 2 : 447. 1878; Gamble, Fl. Pres. Madras 1 : 329. 1957 (repr. ed.). *Pentaptera arjuna* Roxb. ex DC. Prodr. 3 : 14. 1828.

Tamil: *Vellamarda*, *Kula maruthu*.

A large deciduous tree with smooth grey bark.

Distrib.: Almost all districts. E.

Terminalia bellirica (Gaertn.) Roxb. Pl. Cor. t. 198. 1805, "*bellerica*"; Wight, Ic. t. 91. 1838; Clarke in Hook. f. Fl. Brit. India 2 : 445. 1878; Gamble, Fl. Pres. Madras 1 : 328. 1957 (repr. ed.). *Myrobalanus bellirica* Gaertn. Fruct. 2 : 90. t. 97. ff. a-d. 1791, "*bellirina*".

Tamil: *Tani*.

A large deciduous tree with bluish grey, fissured bark.

Distrib.: All districts. E.

Terminalia catappa L. Syst. Nat. ed. 12. 2 : 674. 1767; Wight, Ic. 1. 172. 1839; Clarke in Hook. f. Fl. Brit. India 2 : 444. 1878; Gamble, Fl. Pres. Madras 1 : 328. 1957 (repr. ed.).

Tamil: *Nat vadom, Vadham.*

A large deciduous handsome tree, grown in gardens.

Distrib.: Almost all districts. E.

Terminalia chebula Retz. Obs. Bot. 5 : 31. 1789 incl. forma *tomentosa*; Clarke in Hook. f. Fl. Brit. India 2 : 446. 1878 p.p.; Gamble, Fl. Pres. Madras 1 : 328. 1957 (repr. ed.). *Myrobalanus chebula* (Retz.) Gaertn. Fruct. 2 : 91. t. 97. 1791.

Tamil: *Kadukai.*

A large deciduous tree with dark brown bark.

Distrib.: Almost all districts. E.

Terminalia coriacea (Roxb.) Wight & Arn. Prodr. 315. 1834; Gamble, Fl. Pres. Madras 1 : 329. 1957 (repr. ed.). *Pentaptera coriacea* Roxb. Fl. Ind. 2 : 438. 1832. *Terminalia tomentosa* (Roxb. ex DC.) Wight & Arn. var. *coriacea* (Roxb.) Clarke in Hook. f. Fl. Brit. India 2 : 448. 1878.

Tamil: *Sadagam.*

A large tree with greyish bark.

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

Terminalia crenulata Roth, Nov. Pl. Sp. 380. 1821; Gamble, Fl. Pres. Madras 1 : 329. 1957 (repr. ed.). *T. tomentosa* (Roxb. ex DC.) Wight & Arn. var. *crenulata* (Roth) Clarke in Hook. f. Fl. Brit. India 2 : 448. 1878.

Tamil: *Karu maruthu.*

A large tree with greyish bark.

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

Terminalia gella Dalz. in J. Bot. (Hooker) 3 : 27. 1840-1841; Gamble, Fl. Pres. Madras 1 : 328. 1957 (repr. ed.).

A large tree.

Distrib.: Tirunelveli; "W. Ghats, in the lower E. Nilgiris, Pulneys and Anamalai Hills" (Gamble 1957).

Terminalia pallida Brandis, Indian Trees 308. 1921; Gamble, Fl. Pres. Madras 1 : 328. 1957 (repr. ed.).

Tamil: *Vellaikkadukkay.*

A small tree, chiefly in dry deciduous forests.

Distrib.: Chengalpattu, North Arcot. E.

Terminalia paniculata Roth, Nov. Pl. Sp. 383. 1821; Bedd. Fl. Sylv. t. 20. 1869; Clarke in Hook. f. Fl. Brit. India 2 : 448. 1878; Gamble, Fl. Pres. Madras 1 : 329. 1957 (repr. ed.).

Tamil: *Peikadukai, Vem-maruthu.*

A large tree in deciduous forests.

Distrib.: Almost all districts. E.

Terminalia travancorensis Wight & Arn. Prodr. 314. 1834; Gamble, Fl. Pres. Madras 2 : 329. 1957 (repr. ed.). *T. angustifolia* sensu Roxb. Fl. Ind. 2 : 437. 1832, non Jacq. 1776; Clarke in Hook. f. Fl. Brit. India 2 : 449. 1878.

Tamil: *Peikadukai, Morgatchie.*

A lofty tree in evergreen forests.

Distrib.: Nilgiri, Tirunelveli (Clarke 1878). E.

MYRTACEAE

V. CHITHRA

Agonis flexuosa Lindl. Swan River App. 10. 1839.

A tall shrub or tree, cultivated.

Angophora costata (Gaertn.) Britt. in J. Bot. 54 : 62. 1916; Matthew in Rec. Bot. Surv. India 20(1) : 107. 1969. *Metrosideros costata* Gaertn. Fruct. 1 : 171. 1788.

A stout, evergreen tree, introduced in the hills.

Angophora intermedia DC. Prodr. 3 : 222. 1828.

A tree, cultivated.

Angophora lanceolata Cav. Ic. 4 : 22. t. 337. 1797.

A tall tree, planted.

Angophora subvelutina F. v. Muell. Fragm. Phyt. Austr. 1 : 31. 1858-1882.

A tree with rough bark, cultivated.

Baeckea virgata (Forst.) Andr. Bot. Repos. 598. 1810; Fyson, Fl. South Indian Hill St. 2 : t. 163. 1932. *Leptospermum virgatum* Forst. Char. Gen. 36. 1776.

A shrub with slender branches, cultivated in hill stations.

Callistemon brachyandrus Lindl. in J. Hort. Soc. London 4 : 112. 1849; Matthew in Rec. Bot. Surv. India 20(1) : 103. 1969.

A stiff evergreen shrub or small tree, cultivated.

Callistemon citrinus (Curtis) Stapf in Bot. Mag. t. 9050. 1925; Matthew in Rec. Bot. Surv. India 20(1) : 104. 1969. *Metrosideros citrina* Curtis, Bot. Mag. t. 260. 1794.

A small tree, cultivated in gardens. E.

Callistemon rigidus R. Br. in Bot. Reg. 5 : t. 393. 1819; Matthew in Rec. Bot. Surv. India 20(1) : 104. 1969.

An evergreen shrub, cultivated in gardens. E.

Callistemon salignus DC. Prodr. 3 : 223. 1828.

A tall shrub or small tree, cultivated.

Eucalyptus alpina Lindl. in Mitch. Three Exped. 2 : 175. 1838.

A shrub, cultivated.

Eucalyptus amygdalina Labill. Nov. Holl. Pl. 2 : 14. t. 154. 1806.

A tall tree, cultivated. E.

Eucalyptus bosistoana F. v. Muell. in Australas. J. Pharm. 10 : 293. 1895.

A tree about 4 m tall, cultivated.

Eucalyptus botryoides Sm. in Trans. Linn. Soc. London 3 : 286. 1797.

A medium or tall umbrageous tree, cultivated. E.

Eucalyptus calophylla R. Br. ex Lindl. in Bot. Reg. (App.) 157. 1841; Matthew in Rec. Bot. Surv. India 20(1) : 109. 1969.

A spreading tree, cultivated. E.

Eucalyptus camaldulensis Dehnh. Cat. Pl. Hort. Camald. ed. 2. 20. 1832.

A medium-sized tree, bark ashy-grey or white; cultivated.

Eucalyptus citriodora Hook. in Mitch. Exped. Trop. Austral. 235. 1848; Fyson, Fl. South Indian Hill St. 1 : 217. 1932.

A shaft-like graceful tree, cultivated. E.

Eucalyptus cladocalyx F. v. Muell. in Linnaea 25 : 388. 1852; Matthew in Rec. Bot. Surv. India 20(1) : 112. 1969.

A spreading tree, cultivated. E.

Eucalyptus crebra F. v. Muell. in J. Linn. Soc. Bot. 3 : 87. 1858; Matthew in Rec. Bot. Surv. India 20(1) : 116. 1969.

A symmetrical tree with dark hard bark, introduced. E.

Eucalyptus diversicolor F. v. Muell. Fragm. Phyt. Austr. 3 : 131. 1863; Matthew in Rec. Bot. Surv. India 20(1) : 111. 1969.

A large tree, introduced. E.

Eucalyptus eugenioides Sieb. ex Spreng. Syst. 4 : Cur. Post. 195. 1828.

A tall tree with fibrous bark, introduced.

Eucalyptus ficifolia F.v. Muell. Fragm. Phyt. Austr. 2 : 85. 1860 & 6 : 25. 1867; Fyson, Fl. South Indian Hill St. 1 : 217. 1932.

A medium-sized tree, introduced.

Eucalyptus globulus Labill. Voy. 1 : 153. t. 13. 1800; Gamble, Fl. Pres. Madras 1 : 343. 1957 (repr. ed.).

A lofty tree with grey bark, the outer layers deciduous, introduced. E.

Eucalyptus hemiphloia F.v. Muell. *Fragm. Phyt. Austr.* 2 : 62. 1860.

A moderately large tree with drooping foliage, cultivated in Nilgiri (Wealth of India 1952).

Eucalyptus leucadendron Reinw. ex De Vriese, *Pl. Ind. Bat. Reinw.* 63. 1856.

A tree about 5 m tall, flowers greenish white; cultivated.

Eucalyptus leucoxylo F.v. Muell. in *Trans. Vict. Inst.* 1 : 33. 1855.

A tall tree, cultivated. E.

Eucalyptus longifolia Link & Otto in *Link. Enum. Pl. Hort. Berol.* 2 : 29. 1822; Matthew in *Rec. Bot. Surv. India* 20(1) : 110. 1969.

A tall tree, cultivated.

Eucalyptus macarthurii Deane & Maiden in *Proc. Linn. Soc. New South Wales* 24 : 448. 1882; Matthew in *Rec. Bot. Surv. India* 20(1) : 113. 1969.

A spreading tree, introduced. E.

Eucalyptus melliodora A. Cunn. ex Schau. in *Walp. Rep.* 2 : 924. 1843.

A tree, cultivated. E.

Eucalyptus nova-anglica Deane & Maiden in *Proc. Linn. Soc. New South Wales* 24 : 616. 1882; Matthew in *Rec. Bot. Surv. India* 20(1) : 113. 1969.

A branched tree, introduced.

Eucalyptus obliqua L' Herit. *Sert. Angl.* 18. t. 20. 1789; Matthew in *Rec. Bot. Surv. India* 20(1) : 113. 1969.

A large tree, introduced. E.

Eucalyptus paniculata Sm. in *Trans. Linn. Soc. London* 3 : 287. 1797.

A moderate-sized or a large tree, cultivated in Nilgiri (Wealth of India 1952).

Eucalyptus pauciflora Sieb. ex Spreng. *Syst.* 4. *Cur. Post.* 195. 1827.

A tree, introduced.

Eucalyptus piperita Sm. in *Wh. J. Voy. N.S. Wales* 226. 1790; Matthew in *Rec. Bot. Surv. India* 20(1) : 114. 1969.

A spreading tree; introduced. E.

Eucalyptus ptychocarpa F.v. Muell. in *J. Linn. Soc. Bot.* 3 : 90. 1859.

A tree, cultivated.

Eucalyptus punctata DC. *Prodr.* 3 : 217. 1828.

A spreading tree, introduced.

Eucalyptus radiata Sieb. ex DC. *Prodr.* 3 : 218. 1828; Matthew in *Rec. Bot. Surv. India* 20(1) : 114. 1969.

A spreading tree, introduced.

Eucalyptus regnans F. v. Muell. in *Rep. Acclim. Soc. Vict.* 20. 1870; Matthew in *Rec. Bot. Surv. India* 20 (1) : 114. 1969.

A large, robust, shaft-like tree, 25-45 m tall. E.

Eucalyptus robusta Sm. *Spec. Bot. New Holl.* 40. t. 13. 1795; Matthew in *Rec. Bot. Surv. India* 20(1) : 111. 1969.

A tall tree about 20 m tall, introduced.

Eucalyptus rossii R.T. Baker & H.G. Sm. *Res. Euc.* 70. 1889; Matthew in *Rec. Bot. Surv. India* 20(1) : 115. 1969.

A small tree, introduced.

Eucalyptus saligna Sm. in *Trans. Linn. Soc. London* 3 : 285. 1797.

A large tree, cultivated in Nilgiri and Palni Hills (Wealth of India 1952). E.

Eucalyptus sieberiana F.v. Muell. *Eucalyptogr.* Dec. 2. 1879; Matthew in *Rec. Bot. Surv. India* 20(1) : 115. 1969.

A large tree 20-25 m tall, introduced. E.

Eucalyptus staigeriana F. v. Muell. ex Bailey, *Queensl. Fl.* 176. 1899.

A tree about 5 m tall, cultivated.

Eucalyptus tereticornis Sm. *Spec. Bot. New Holl.* 41. 1795; Matthew in *Rec. Bot. Surv. India* 20(1) : 112. 1969.

A robust tree with smooth ash coloured stem; introduced. E.

Eucalyptus torelliana F.v. Muell. *Fragm. Phyt. Austr.* 10 : 106. 1858-1882.

A tree about 10 m tall, young parts with reddish hairs; introduced.

Eucalyptus viminalis Labill. *Nov. Holl. Pl.* 2 : 12. t. 151. 1806; Matthew in *Rec. Bot. Surv. India* 20(1) : 111. 1969.

A tree 30-45 m tall, introduced. E.

Eugenia bracteata (Willd.) Roxb. ex DC. *Prodr.* 3 : 264. 1828; Duthie in *Hook. f. Fl. Brit. India* 2 : 502. 1879 incl. var. *roxburghii*; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.). *Myrtus bracteata* Willd. *Sp. Pl.* 2 : 969. 1799. *Eugenia willdenowii* Wight, *Ic. t.* 545. 1842 & *Ill.* 2 : 13. 1850, non DC. 1828.

Tamil: *Kaya*.

A shrub or small tree, common on coast sand hills and in evergreen scrub forests.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari (UCT), Nilgiri, Thanjavur, Tiruchchirappalli; Dharmapuri and Salem (Matthew 1981). E.

Eugenia calcadensis Bedd. *Ic. t.* 162. 1868-1874; Duthie in *Hook. f. Fl. Brit. India* 2 : 502. 1879; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A pretty little tree with showy white flowers in pairs.

Distrib.: Nilgiri (Gamble 1957), Tirunelveli.

Eugenia cotinifolia Jacq. *Obs.* 3 : 2. 1764, subsp. *codyensis* (Munro ex Wight) Ashton in Dassanayake, *Rev. Handb. Fl. Ceylon* 2 : 412. 1981. *Eugenia codyensis* Munro ex Wight, *Ill.* 2 : 13. 1850; Duthie in *Hook. f. Fl. Brit. India* 2 : 501. 1879; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A shrubby little tree in evergreen forests.

Distrib.: Nilgiri (Gamble 1957).

Eugenia discifera Gamble in *Kew Bull.* 1918 : 239. 1918 & *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A small tree, disc broad and conspicuous in flowers.

Distrib.: Ramanathapuram.

Eugenia floccosa Bedd. *Fl. Sylv.* t. 200. 1872; Duthie in *Hook. f. Fl. Brit. India* 2 : 501. 1879; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A large beautiful tree.

Distrib.: Kanniyakumari, Tirunelveli.

Eugenia indica (Wight) Chithra comb. nov. *Jossinia indica* Wight, *Ic. t.* 523. 1842 & *Ill.* 2 : 12. t. 122. 1850. *Eugenia jossinia* Duthie in *Hook. f. Fl. Brit. India* 2 : 500. 1879; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A small tree or large shrub.

Distrib.: Tirunelveli (Gamble 1957).

Eugenia mabaeoides Wight, *Ill.* 2 : 13. 1850; Duthie in *Hook. f. Fl. Brit. India* 2 : 503. 1879; Subram. & Henry in *Bull. Bot. Surv. India* 12 : 2. 1970.

A much-branched shrub.

Distrib.: Tirunelveli.

Eugenia rottleriana Wight & Arn. *Prodr.* 331. 1834; Wight, *Ic. t.* 100. 1838; Duthie in *Hook. f. Fl. Brit. India* 2 : 502. 1879; Gamble, *Fl. Pres. Madras* 342. 1957 (repr. ed.).

A pretty little tree in evergreen forests.

Distrib.: Tirunelveli.

Eugenia singampattiana Bedd. *Ic. t.* 273. 1868-1874; Duthie in *Hook. f. Fl. Brit. India* 2 : 506. 1879; Gamble, *Fl. Pres. Madras* 1 : 343. 1957 (repr. ed.).

A small deciduous tree in moist forests.

Distrib.: Tirunelveli (Gamble 1957).

Eugenia thwaitesii Duthie in *Hook. f. Fl. Brit. India* 2 : 506. 1879; Ashton in Dassanayake, *Rev. Handb. Fl. Ceylon* 2 : 415. 1981. *E. mooniana* Wight, *Ic. t.* 551. 1842 & *Ill.* 2 : 13. 1850, non Gard. 1843; Duthie in *Hook. f. Fl. Brit. India* 2 : 505. 1879; Gamble, *Fl. Pres. Madras* 1 : 342. 1957 (repr. ed.).

A small tree or big shrub.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Eugenia uniflora L. Sp. Pl. 470. 1753; Duthie in Hook. f. Fl. Brit. India 2 : 505. 1879.

A shrub, flowers solitary, white, cultivated. E.

Feijoa sellowiana (Berg) Berg in Linnaea 29 : 258. 1858; Matthew in Rec. Bot. Surv. India 20(1) : 102. 1969. *Orthostemon sellowianus* Berg in Mart. Fl. Bras. 14(1) : 468. 1817-1820.

A coarse, branched shrub, cultivated in gardens. E.

Leptospermum flavescens Sm. in Trans. Linn. Soc. London 3 : 262. 1797.

A tree, cultivated in gardens. E.

Leptospermum scoparium Forst. Char. Gen. 71. t. 36. 1776; Matthew in Rec. Bot. Surv. India 20(1) : 102. 1969.

A graceful tree, cultivated in gardens. E.

Leptospermum stellatum Cav. Ic. 4 : 16. t. 330. f. 1. 1797.

A much branched, erect shrub, cultivated in gardens.

Melaleuca hypericifolia Sm. in Trans. Linn. Soc. London 3 : 279. 1797.

A tall glabrous shrub, cultivated.

Melaleuca leucadendron L. Mant. Pl. 1 : 105. 1767.

Tamil: *Kaiyappudai*.

A medium-sized evergreen tree with pendulous branches, cultivated. E.

Melaleuca quinquenervia S.T. Blake in Proc. Roy. Soc. Queensland 69 : 76. 1958.

A tree about 5 m tall, flowers greenish white, fruits brown; cultivated.

Melaleuca styphelioides Sm. in Trans. Linn. Soc. London 3 : 275. 1797; Matthew in Rec. Bot. Surv. India 20(1) : 104. 1969.

An evergreen tree with parchment-like, spongy, white bark, cultivated.

Metcoromyrtus wynaadensis (Bedd.) Gamble in Kew Bull. 1918 : 241. 1918 & Fl. Pres. Madras 1 : 343. 1957 (repr. ed.). *Eugenia wynaadensis* Bedd. Ic. t. 161. 1868-1874; Duthie in Hook. f. Fl. Brit. India 2 : 506. 1879.

A small tree or large shrub.

Distrib.: Nilgiri.

Myrtus communis L. Sp. Pl. 471. 1753; Duthie in Hook. f. Fl. Brit. India 2 : 462. 1878.

Tamil: *Kulinaval*.

An evergreen much-branched, leafy shrub with sweet scented flowers; cultivated. E.

Pimenta officinalis Lindl. Coll. Bot. t. 19. 1821.

A tree, cultivated. E.

Psidium cattleianum Sabine in Trans. Hort. Soc. London 4 : 317. t. 11. 1821.

Tamil: *Seemai Koyya*.

A bushy shrub, cultivated. E.

Psidium guajava L. Sp. Pl. 470. 1753; Duthie in Hook. f. Fl. Brit. India 2 : 468. 1878, "Guyava"; Gamble, Fl. Pres. Madras 1 : 334. 1957 (repr. ed.).

Tamil: *Koyya*.

A small tree, cultivated. E.

Rhodomyrtus tomentosa (Ait.) Hassk. in Flora 25(2) : 35. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 469. 1878; Gamble, Fl. Pres. Madras 1 : 333. 1957 (repr. ed.). *Myrtus tomentosa* Ait. Hort. Kew. ed. 1. 2 : 159. 1789; Wight, Ic. t. 522. 1842.

A bushy shrub or small tree in open forests and along the margins of sholas.

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

Syncarpia glomerulifera (Sm.) Nied. in Engler & Prantl, Pflanzenf. 3(7) : 88.

1893; Fyson, Fl. South Indian Hill St. 1 : 218. 1932. *Metrosideros glomerulifera* Sm. in Trans. Linn. Soc. London 3 : 269. 1797.

An evergreen tree, cultivated. E.

Syncarpia laurifolia Tenore. Ind. Sem. Hort. Neap. 12. n. 13. 1839 & in Ann. Sci. Nat. Bot. ser. 2 13 : 381. 1840.

A slender tree, cultivated; "turpentine tree" E.

Syzygium alternifolium (Wight) Walp. Rep. 2 : 179. 1843; Gamble, Fl. Pres. Madras 1 : 340. 1957 (repr. ed.). *Eugenia alternifolia* Wight, Ic. t. 537. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 497. 1879.

Tamil: *Mogi*.

A large tree.

Distrib.: Chengalpattu, North Arcot (Gamble 1957). E.

Syzygium aqueum (Burm. f.) Alston in Ann. Roy. Bot. Gard. (Peradeniya) 11 : 204. 1929; Sundararaj & Nagarajan in J. Bombay Nat. Hist. Soc. 63 : 227. 1966. *Eugenia aquea* Burm. f. Fl. Ind. 114. 1768; Wight, Ic. t. 550. 1848; Duthie in Hook. f. Fl. Brit. India 2 : 473. 1878.

An evergreen tree.

Distrib.: Tirunelveli (Sundararaj & Nagarajan 1966).

Syzygium aromaticum (L.) Merr. & Perry in Mem. Amer. Acad. Arts. 18 : 196. 1939. *Caryophyllus aromaticus* L. Sp. Pl. 515. 1753. *Eugenia caryophyllata* Thunb. Diss. 1. 1788; Duthie in Hook. f. Fl. Brit. India 2 : 506. 1879.

Tamil: *Kirambu*.

A pyramidal or conical evergreen tree, cultivated. E.

Syzygium beddomei (Duthie) Chithra comb. nov. *Eugenia beddomei* Duthie in Hook. f. Fl. Brit. India 2 : 476. 1878. *Jambosa beddomei* (Duthie) Gamble, Fl. Pres. Madras 475. 1919 & 1 : 336. 1957 (repr. ed.).

A large tree.

Distrib.: Tirunelveli (Duthie 1878). +.

Syzygium benthamianum (Wight ex Duthie) Gamble, Fl. Pres. Madras 478. 1919 & 1 : 338. 1957 (repr. ed.). *Eugenia arnottiana* (Walp.) Wight var. *benthamianum* Wight ex Duthie in Hook. f. Fl. Brit. India 2 : 484. 1878.

A small tree or large shrub.

Distrib.: Kanniyakumari, Madurai, Nilgiri (Gamble 1957). +.

Syzygium calophyllifolium Walp. Rep. 2 : 180. 1843; Gamble, Fl. Pres. Madras 1 : 339. 1957 (repr. ed.). *Eugenia calophyllifolia* (Walp.) Wight, Ic. t. 1000. 1845; Duthie in Hook. f. Fl. Brit. India 2 : 494. 1878.

A large evergreen tree, in shola forests.

Distrib.: Coimbatore (Fischer 1921), Nilgiri.

Syzygium caryophyllatum (L.) Alston in Trimen, Handb. Fl. Ceylon. 6 (Suppl.) : 116. 1931. *Myrtus caryophyllata* L. Sp. Pl. 472. 1753. *Syzygium caryophyllaeum* auct. non Gaertn. 1788; Gamble, Fl. Pres. Madras 1 : 339. 1957 (repr. ed.). *Eugenia caryophyllaea* Wight, Ic. t. 540. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 490. 1878.

A small tree, especially near streams.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, South Arcot, Tirunelveli.

Syzygium chandrasekharanii Chandrasekhar & Chandr. in J. Bombay Nat. Hist. Soc. 78 : 354. 1981.

A medium-sized tree.

Distrib.: Coimbatore.

Syzygium courtallense (Gamble) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 115. 1931. *Jambosa courtallensis* Gamble in Kew Bull. 1918 : 240. 1918 & Fl. Pres. Madras 1 : 335. 1957 (repr. ed.).

A tree.

Distrib.: Tirunelveli (Gamble 1957). +.

Syzygium cumini (L.) Skeels in U.S. D.A. Bur. Pl. Industr. Bull. 248 : 2. 1912. *Myrtus cumini* L. Sp. Pl. 471. 1753. *Eugenia jambolanu* Lam. Encycl. 3 : 198. 1789; Wight, Ic. t. 535. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 499. 1879. *Syzygium jambolanum* (Lam.) DC. Prodr. 3 : 259. 1828; Gamble, Fl. Pres. Madras 1 : 340. 1957 (repr. ed.).

Tamil: *Neredom*, *Naval*, *Nava-mara*.

A medium-sized evergreen tree.

Distrib.: Almost all districts. E.

Syzygium densiflorum Wall. ex Wight & Arn. Prodr. 329. 1834. *S. arnottianum* Walp. Rep. 2 : 180. 1843; Gamble, Fl. Pres. Madras 1 : 338. 1957 (repr. ed.). *Eugenia arnottiana* (Walp.) Wight, Ic. t. 999. 1845; Duthie in Hook. f. Fl. Brit. India 2 : 483. 1878.

Tamil: *Naval*, *Nagay*.

A large tree in shola forests.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Syzygium fergusonii (Trimen) Gamble in Kew Bull. 1920 : 52. 1920. *Eugenia fergusonii* Trimen, Handb. Fl. Ceylon 2 : 172. 1894.

A small or medium-sized tree.

Distrib.: Coimbatore (Gamble 1920).

Syzygium gambleanum Rathakr. & Chithra nom. nov. *S. microphyllum* (Bedd.) Gamble, Fl. Pres. Madras 479. 1919 & 1 : 339. 1957 (repr. ed.). *Eugenia microphylla* Bedd. For. Man. Bot. 110. 1872. non Abel. 1818; Duthie in Hook. f. Fl. Brit. India 2 : 505. 1879.

A large shrub or small tree with very small leaves.

Distrib.: Kanniyakumari, Tirunelveli.

Syzygium gardneri Thw. Enum. Pl. Zeyl. 117. 1859; Gamble, Fl. Pres. Madras 1 : 339. 1957 (repr. ed.). *Eugenia gardneri* (Thw.) Bedd. For. Man. Bot. 108. 1874; Duthie in Hook. f. Fl. Brit. India 2 : 489. 1878. *E. cymosa* Lam. var. *rostrata* Duthie in Hook. f. Fl. Brit. India 2 : 482. 1878.

Tamil: *Nirnaval*.

A large shrub or tree with smooth pale grey bark.

Distrib.: Coimbatore, Madurai, Tirunelveli. E.

Syzygium hemisphericum (Wight) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 115. 1931. *Eugenia hemispherica* Wight, Ic. t. 525. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 477. 1878. *Jambosa hemispherica* (Wight) Walp. Rep. 2 : 191. 1843; Gamble, Fl. Pres. Madras 1 : 335. 1957 (repr. ed.).

Tamil: *Vellainaval*.

A medium-sized tree with yellowish grey bark.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Syzygium heyneanum (Duthie) Wall. ex Gamble, Fl. Pres. Madras 482. 1919 & 1 : 341. 1957 (repr. ed.). *Eugenia heyneana* Duthie in Hook. f. Fl. Brit. India 2 : 500. 1879. *E. salicifolia* Wight, Ic. t. 539. 1844, non DC. 1828.

A large shrub or small tree, in river beds and along streams.

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

Syzygium jambos (L.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 115. 1931. *Eugenia jambos* L. Sp. Pl. 470. 1753; Duthie in Hook. f. Fl. Brit. India 2 : 474. 1878. *Jambosa vulgaris* DC. Prodr. 3 : 286. 1828 incl. var. *pauciflora*; Wight, Ic. t. 435. 1841; Gamble, Fl. Pres. Madras 1 : 336. 1957 (repr. ed.).

Tamil: *Perunaval*.

A small pretty evergreen tree.

Distrib.: Chengalpattu, Coimbatore (FRC), Kanniyakumari, Nilgiri, Salem, Tirunelveli.

Syzygium laetum (Buch.-Ham.) Gandhi in Saldanha & Nicolson, Fl. Hassan Dist. 282. 1976. *Eugenia laeta* Buch.-Ham. in Mem. Wern. Nat. Hist. Soc. 5 : 338. 1826; Duthie in Hook. f. Fl. Brit. India 2 : 479. 1878 incl. var. *pauciflora*. *Jambosa laeta* (Buch.-Ham.) Blume, Mus.

Bot. Lugduno - Batavum 1 : 104. 1849; Gamble, Fl. Pres. Madras 1 : 335. 1957 (repr. ed.). *Eugenia pauciflora* Wight, Ic. t. 526. 1842. *Jambosa pauciflora* (Wight) Wight, Ill. 2 : 14. 1850.

A medium-sized pretty tree in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Syzygium lanceolatum (Lam.) Wight & Arn. Prodr. 330. 1834. *Eugenia lanceolata* Lam. Encycl. 3 : 200. 1789; Wight, Ic. t. 530. 1842. *Syzygium wightianum* Wall. ex Wight & Arn. Prodr. 330. 1834; Gamble, Fl. Pres. Madras 1 : 338. 1957 (repr. ed.). *Eugenia wightiana* (Wall. ex Wight & Arn.) Wight, Ic. t. 529. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 485. 1878.

A medium-sized tree with grey bark.

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

Syzygium malabaricum (Bedd.) Gamble, Fl. Pres. Madras 481. 1919 & 1 : 340. 1957 (repr. ed.). *Eugenia malabarica* Bedd. Fl. Sylv. t. 199. 1872; Duthie in Hook. f. Fl. Brit. India 2 : 497. 1879.

A medium-sized tree, common in swampy places.

Distrib.: Coimbatore, Nilgiri.

Syzygium malaccense (L.) Merr. & Perry in J. Arnold Arbor. 19 : 215. 1938. *Eugenia malaccensis* L. Sp. Pl. 470. 1753; Wight, Ill. 2 : t. 98. 1850; Duthie in Hook. f. Fl. Brit. India 2 : 471. 1878.

A small tree or large shrub with terete-compressed branchlets; cultivated. E.

Syzygium megacarpum (Craib) Rathakr. & Nair in J. Econ. Tax. Bot. 4 : 487. 1983. *Eugenia megacarpa* Craib, Fl. Siam. Enum. 1 : 652. 1931. *E. macrocarpa* Roxb. Fl. Ind. 2 : 497. 1832, non Schlecht. 1830; Wight, Ic. t. 612. 1840 - 43; Duthie in Hook. f. Fl. Brit. India 2 : 474. 1878; Fischer in Rec. Bot. Surv. India 9 : 80. 1921.

A tree.

Distrib.: Coimbatore (Fischer 1921).

Syzygium mundagam (Bourd.) Chithra comb. nov. *Eugenia mundagam* Bourd. For. Trees Travancore 182. 1908. *Jambosa mundagam* (Bourd.) Gamble, Fl. Pres. Madras 473. 1919 & 1 : 335. 1957 (repr. ed.).

Tamil: *Kattasamba*.

A medium-sized tree with white fragrant flowers, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli.

Syzygium munronii (Wight) Chandr. in Biol. Mem. 2(1 & 2) : 58. 1977. *Eugenia munronii* Wight, Ic. t. 546. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 472. 1878. *Jambosa munronii* (Wight) Walp. Rep. 2 : 191. 1843; Gamble, Fl. Pres. Madras 1 : 335. 1957 (repr. ed.).

A medium-sized handsome tree.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Syzygium myhendrae (Bedd. ex Brandis) Gamble, Fl. Pres. Madras 478. 1919 & 1 : 338. 1957 (repr. ed.). *Eugenia myhendrae* Bedd. ex Brandis, Indian Trees 325. 1906.

A medium-sized tree in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957).

Syzygium rama-varmae (Bourd.) Chithra comb. nov. *Eugenia rama-varma* Bourd. in Indian Forester 30 : 147. t. 2. 1904. *Jambosa rama-varma* (Bourd.) Gamble, Fl. Pres. Madras 474. 1919 & 1 : 335. 1957 (repr. ed.).

A medium-sized tree in evergreen forests.

Distrib.: Tirunelveli (Gamble 1957). R.

Syzygium revolutum (Wight) Walp. Rep. 2 : 180. 1843. *Eugenia revoluta* Wight, Ic. t. 534. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 492. 1879; Fischer in Rec. Bot. Surv. India 9 : 80. 1921.

A medium-sized tree.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (Duthie 1879).

Syzygium rubicundum Wight & Arn. Prodr. 330. 1834; Gamble, Fl. Pres. Madras 1 : 339. 1957 (repr. ed.). *Eugenia rubicunda* (Wight & Arn.) Wight, Ic. t. 538. 1842; Duthie in Hook. f. Fl. Brit. India 2 : 495. 1878. *Eugenia lissophylla* (Thw.) Bedd. For. Man. Bot. 108. 1874; Duthie in Hook. f. Fl. Brit. India 2 : 488. 1878. *Syzygium lissophyllum* Thw. Enum. Pl. Zeyl. 117. 1859.

A medium-sized tree in evergreen forests.

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

Syzygium spathulatum Thw. Enum. Pl. Zeyl. 118. 1859. *S. olivifolium* (Duthie) Gamble in Kew Bull. 1920 : 52. 1920. *Eugenia olivifolia* Duthie in Hook. f. Fl. Brit. India 2 : 495. 1879.

A small tree.

Distrib.: Coimbatore (Gamble 1920).

Syzygium tamilnadensis Rathakr. & Chithra nom. nov. *S. montanum* (Wight) Gamble, Fl. Pres. Madras 479. 1919 & 1 : 339. 1957 (repr. ed.), non Thw. 1859. *Eugenia montana* Wight, Ic. t. 1060. 1846, non Aubl. 1775; Duthie in Hook. f. Fl. Brit. India 2 : 488. 1878.

A large evergreen tree with deep red fruits in terminal clusters, in shola forests.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Syzygium zeylanicum (L.) DC. Prodr. 3 : 260. 1828, var. *zeylanicum*; Wight, Ic. t. 73. 1838; Gamble, Fl. Pres. Madras 1 : 338. 1957 (repr. ed.). *Myrtus zeylanica* L. Sp. Pl. 472. 1753. *Eugenia zeylanica* (L.) Wight, Ic. t. 73. 1838 & Ill. 2 : 15. 1850; Duthie in Hook. f. Fl. Brit. India 2 : 485. 1878.

Tamil: *Marungi*.

A small tree, ripe fruits yellow.

Distrib.: Madurai, Nilgiri, Salem (FRC). E.

Syzygium zeylanicum (L.) DC. var. *ellipticum* Henry, Chandrabose & Nair in Manilal, Bot. Hist. Hort. Malab. 161. 1980.

An erect shrub.

Distrib.: Tirunelveli.

Syzygium zeylanicum (L.) DC. var. *lineare* (Duthie) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.) : 115. 1931. *Eugenia linearis* Duthie in Hook. f. Fl. Brit. India 2 : 486. 1878. *Syzygium lineare* (Duthie) Wall. ex Gamble, Fl. Pres. Madras 479. 1919 & 1 : 338. 1957 (repr. ed.). *Eugenia zeylanica* sensu Bedd. Fl. Sylv. t. 202. 1872, non (L.) Wight 1850.

A shrub or small tree.

Distrib.: Tirunelveli.

Tristania conferta R. Br. in Ait. Hort. Kew. ed. 2. 4 : 417. 1812; Matthew in Rec. Bot. Surv. India 20(1) : 106. 1969.

A tall evergreen tree, cultivated. E.

LECYTHIDACEAE

V. CHITHRA

Couroupita guianensis Aubl. Pl. Gui. 2 : 708. t. 282. 1775.

Tamil: *Nagalingam*.

A tree, flowers fragrant, racemes borne on the trunk and large branches, cultivated in gardens. E.

BARRINGTONIACEAE

V. CHITHRA

Barringtonia acutangula (L.) Gaertn. Fruct. 2 : 97. t. 101. 1790, subsp. *acutangula*; Bedd. Fl. Sylv. t. 204. 1872; Clarke in Hook. f. Fl. Brit. India 2 : 508. 1879; Gamble, Fl. Pres. Madras 1 : 344. 1957 (repr. ed.). *Eugenia acutangula* L. Sp. Pl. 471. 1753.

Tamil: *Adampa*, *Kadappai*.

A medium-sized tree along streams and on swampy land; racemes pendent with pink flowers.

Distrib.: Almost all districts. E.

Barringtonia acutangula (L.) Gaertn. subsp. *spicata* (Blume) Payson in Blumea 15 : 231. 1967. *B. spicata* Blume, Bijdr. 1097. 1826.

A shrub or small tree.

Distrib.: "... ..Madras....."
(Payens 1967). E.

Barringtonia asiatica (L.) Kurz, Prelim. Rep. For. & Veg. Pegu Append. A. 65. & B. 52. 1875. *Mammea asiatica* L. Sp. Pl. 512. 1753. *Barringtonia speciosa* Forst. Char. Gen. 76. t. 38. 1776; Wight, Ic. 1. 547. 1843; Clarke in Hook. f. Fl. Brit. India 2 : 507. 1879.

A tree.

Distrib.: "..... Coromandel coast of India" (Payens 1967). E.

Barringtonia racemosa (L.) Spreng. Syst. Veg. 3 : 127. 1826; Wight, Ic. t. 152. 1839; Clarke in Hook. f. Fl. Brit. India 2 : 507. 1879; Gamble, Fl. Pres. Madras 1 : 344. 1957 (repr. ed.). *Eugenia racemosa* L. Sp. Pl. 471. 1753. *Barringtonia ceylanica* (Miers) Gard. ex Clarke in Hook. f. Fl. Brit. India 2 : 508. 1879. *Butonica ceylanica* Miers in Trans. Linn. Soc. London 1 : 66. t. 13. 1875.

A medium-sized ornamental tree with cream-coloured large flowers in pendulous racemes.

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

Careya arborea Roxb. Pl. Cor. t. 218. 1811; Bedd. Fl. Sylv. t. 205. 1877; Clarke in Hook. f. Fl. Brit. India 2 : 511. 1879; Gamble, Fl. Pres. Madras 1 : 345. 1957 (repr. ed.).

Tamil: *Ayma*, *Kumbi*.

A small or medium-sized tree, in deciduous forests, conspicuous in grassy places.

Distrib.: Almost all districts. E.

MELASTOMATACEAE

K. VIVEKANANTHAN

Kendrickia walkeri (Wight) Hook. f. ex Triana in Trans. Linn. Soc. London 28 : 75. t. 5. f. 70. 1871; Clarke in Hook. f. Fl. Brit. India 2 : 526. 1879; Gamble, Fl. Pres. Madras 1 : 350. 1957 (repr. ed.). *Medinilla? walkeri* Wight, Ill. 1 : 217. 1840.

An epiphytic ivy-like climbing shrub at high altitudes.

Distrib.: Coimbatore (CAL). R. †.

Medinilla beddomei Clarke in Hook. f. Fl. Brit. India 2 : 548. 1879; Gamble, Fl. Pres. Madras 1 : 351. 1957 (repr. ed.). *M. radicans* sensu Bedd. Ic. t. 184. 1868-1874, non Blume 1831.

An epiphytic ivy-like fleshy climbing shrub, covering the trunks and branches of trees in dense evergreen forests.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Medinilla fuchsioides Gard. in Calcutta J. Nat. Hist. 8 : 12. 1847; Clarke in Hook. f. Fl. Brit. India 2 : 548. 1879; Bond, Wild Fl. Ceylon Hills 64. t. 33. 1953; Shetty & Karthik. in Bull. Bot. Surv. India 18 : 215. 1976.

An epiphytic shrub growing in the crevices of rocks along grassy slopes in the hills.

Distrib.: Kanniyakumari. R.

Medinilla malabarica Bedd. Ic. t. 157. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 548. 1879; Gamble, Fl. Pres. Madras 1 : 351. 1957 (repr. ed.).

A subscaudent shrub with pendent leaves and flowers occurring in evergreen forests and sholas along the margins of streams.

Distrib.: Coimbatore, Nilgiri.

Melastoma malabathricum L. Sp. Pl. 390. 1753, "*malabathrica*"; Wight, Ill. 1 : t. 95. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 523. 1879; Gamble, Fl. Pres. Madras 1 : 350. 1957 (repr. ed.).

Tamil: *Kadalai*, *Nakkukaruppan*.

A handsome shrub with showy flowers in wet places and along banks of streams in lower hills.

Distrib.: Madurai (Sauliere 1914), Nilgiri, Tirunelveli. E.

Memecylon angustifolium Wight, Ill. 1 : 215. 1840 & Ic. t. 276. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 562. 1879; Gamble, Fl. Pres. Madras 1 : 355. 1957 (repr. ed.).

Tamil: *Vellaikkaya*.

A shrub or small tree usually found near streams and river banks in hilly regions.

Distrib.: Salem (PCM), Tirunelveli. E.

Memecylon depressum Benth. ex Triana in Trans. Linn. Soc. London 25 : 158. 1865-1866; Gamble, Fl. Pres. Madras 1 : 357. 1957 (repr. ed.). *M. amplexicaule* Roxb. var. *malabarica* Clarke in Hook. f. Fl. Brit. India 2 : 559. 1879 p.p. excl. typus.

A shrub with axillary flower clusters, in hilly regions.

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

Memecylon edule Roxb. Pl. Cor. t. 82. 1798; Clarke in Hook. f. Fl. Brit. India 2 : 563. 1879 p.p.; Gamble, Fl. Pres. Madras 1 : 356. 1957 (repr. ed.).

Tamil: *Kaya*.

A large shrub in dry evergreen forests.

Distrib.: Almost all districts.

Often considered conspecific with *M. umbellatum* Burm. f.

Memecylon flavescens Gamble in Kew Bull. 1919 : 226. 1919 & Fl. Pres. Madras 1 : 355. 1957 (repr. ed.).

A large shrub or small tree in sholas.

Distrib.: Nilgiri. O.R. +.

Memecylon gracile Bedd. Ic. t. 164. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 555. 1879; Gamble, Fl. Pres. Madras 1 : 356. 1957 (repr. ed.).

Tamil: *Uchikkaca*.

An undershrub with zig-zag branches, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli. E.

Memecylon grande Retz. Obs. Bot. 4 : 26. 1786; Clarke in Hook. f. Fl. Brit. India 2 : 557. 1879; Gamble, Fl. Pres. Madras 1 : 356. 1957 (repr. ed.).

A large shrub in the lower hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Gamble 1957), Tiruchchirappalli (Matthew 1970). Bremer in Opera Bot. 50 : 23. 1979 points out that this species is probably endemic to Ceylon; the reports from India and S.E. Asia concern other species.

Memecylon heyneanum Benth. ex Wight & Arn. Prodr. 319. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 560. 1879; Gamble, Fl. Pres. Madras 1 : 355. 1957 (repr. ed.). *M. jambosoides* Wight, Ic. t. 277. 1840.

Tamil: *Kanalai*, *Kannavu*, *Kaya*.

A shrub or small tree in evergreen forests at low elevations.

Distrib.: Coimbatore (CAL, FRC), Kanniyakumari, Tirunelveli.

Memecylon lawsonii Gamble in Kew Bull. 1919 : 226. 1919 & Fl. Pres. Madras 1 : 355. 1957 (repr. ed.) "*lawsonii*".

A shrub in the hilly regions.

Distrib.: Nilgiri. R. +.

Memecylon lushingtonii Gamble in Kew Bull. 1919 : 227. 1919 & Fl. Pres. Madras 1 : 355. 1957 (repr. ed.).

A large shrub or small tree in evergreen forests.

Distrib.: Coimbatore, Nilgiri (Gamble 1957).

Memecylon malabaricum (Clarke) Cogn. in DC. Monog. Phan. 7 : 1148. 1891; Fyson, Fl. South Indian Hill St. 2 : t. 178. 1932; Gamble, Fl. Pres. Madras 1 : 356. 1957 (repr. ed.). *M. amplexicaule* Roxb. var. *malabarica* Clarke in Hook. f. Fl. Brit. India 2 : 559. 1879 p.p. incl. typus.

Tamil: *Malamthetti*, *Perungara*, *Vacci*.

A small tree in evergreen forests at high elevations.

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

Memecylon molestum (Clarke) Cogn. in DC. Monog. Phan. 7 : 1169. 1891; Gamble, Fl. Pres. Madras 1 : 356. 1957

(repr. ed.). *M. edule* Roxb. var. *molesta* Clarke in Hook. f. Fl. Brit. India 2 : 564. 1879.

A tall tree with bright blue conspicuous flowers, at high altitudes.

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

Memecylon sisparens Gamble in Kew Bull. 1919 : 227. 1919 & Fl. Pres. Madras 1 : 356. 1957 (repr. ed.).

A large shrub or small tree, in evergreen forests at high elevations.

Distrib.: Nilgiri. O. R. +.

Memecylon subcordatum Cogn. in DC. Monog. Phan. 7 : 1164. 1891; Gamble, Fl. Pres. Madras 1 : 357. 1957 (repr. ed.). *M. amplexicaule* Roxb. var. *cordata* Wight ex Clarke in Hook. f. Fl. Brit. India 2 : 559. 1879.

A shrub with very small flower clusters, in evergreen forests.

Distrib.: Tirunelveli.

Memecylon subramanii Henry in J. Bombay Nat. Hist. Soc. 77 : 492. 1981. *M. hookeri* sensu Henry & Subram. in Bull. Bot. Surv. India 13 : 165. 1971 (1973), non Thw. 1859.

An erect shrub having very large leaves and long pedunculate cymes, in the hilly regions.

Distrib.: Tirunelveli. R.

Memecylon talbotianum Brandis in Talbot, Bombay List ed. 2. Append. 1902 & Indian Trees 336. 1906; Gamble, Fl. Pres. Madras 1 : 355. 1957 (repr. ed.).

Tamil: *Kancan*.

A tall tree in the hills.

Distrib.: Nilgiri (Gamble 1957).

Memecylon umbellatum Burm. f. Fl. Ind. 87. 1768; Gamble, Fl. Pres. Madras 1 : 355. 1957 (repr. ed.); Bremer in Opera Bot. 50 : 9. t. 3. 1979.

Tamil: *Kaya*, *Kurre-kaya*, *Pande-kaya*.

A large shrub or small tree in dry forests, at low elevations.

Distrib.: Almost all districts.

This species is often confused with *M. edule*. E.

Osbeckia aspera (L.) Blume, Bijdr. Natuurk. Wetensch. 6 : 220. 1831, var. *aspera*; Clarke in Hook. f. Fl. Brit. India 2 : 519. 1879; Gamble, Fl. Pres. Madras 1 : 347. 1957 (repr. ed.); Hansen in Ginkgoana 4 : 82. ff. 1(12), 2(12) & 23(2). tt. 1(B) & 13(A). 1977. *Melastoma asperum* L. Sp. Pl. 389. 1753. *Osbeckia kleinii* Wight & Arn. Prodr. 323. 1834. *O. courtallensis* Gamble in Kew Bull. 1918 : 242. 1918 & Fl. Pres. Madras 1 : 348. 1957 (repr. ed.). *O. kewensis* Fischer in Kew Bull. 1938 : 34. 1938.

Tamil: *Kattukkadalai*.

A branched shrub in grasslands along hill slopes.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Sauliere 1914), Tirunelveli.

Osbeckia aspera (L.) Blume var. *travancorica* (Bedd. ex Gamble) Hansen in Ginkgoana 4 : 84. t. 13(B). 1977. *O. travancorica* Bedd. ex Gamble in Kew Bull. 1919 : 404. 1919 & Fl. Pres. Madras 1 : 348. 1957 (repr. ed.).

An undershrub in hilly regions, with patent hairy stem.

Distrib.: Coimbatore, Nilgiri (Hansen 1977).

Osbeckia aspera (L.) Blume var. *wightiana* (Benth. ex Wight & Arn.) Trimen, Handb. Fl. Ceylon 2 : 196. 1894. *O. wightiana* Benth. ex Wight & Arn. Prodr. 323. 1834; Wight, Ic. t. 998. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 519. 1879; Gamble, Fl. Pres. Madras 1 : 348. 1957 (repr. ed.).

A branched shrub with densely hairy foliage, common in grasslands of the hills.

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

Osbeckia brachystemon Naud. in Ann. Sci. Nat. Bot. ser. 3, 14 : 457, 1850; Hansen in Ginkgoana 4 : 100, ff. 1(9), 2(13), & 35(6), tt. 17(A & B), 1977. *O. truncata* D. Don ex Wight & Arn. Prodr. 322, 1834 p.p., nom. illeg.; Clarke in Hook. f. Fl. Brit. India 2 : 514, 1879; Gamble, Fl. Pres. Madras 1 : 349, 1957 (repr. ed.). *O. cupularis* D. Don ex Wight & Arn. Prodr. 323, 1834 p.p., nom. illeg.; Clarke in Hook. f. Fl. Brit. India 2 : 514, 1879; Gamble, Fl. Pres. Madras 1 : 349, 1957 (repr. ed.).

A perennial herb in high altitude grasslands.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli (Hansen 1977).

Osbeckia buxifolia Arn. in Companion Bot. Mag. 2 : 309, 1837; Clarke in Hook. f. Fl. Brit. India 2 : 518, 1879; Gamble in Kew Bull. 1920 : 54, 1920; Hansen in Ginkgoana 4 : 98, f. 30(5), tt. 3(D) & 16(C), 1977.

A much branched densely woolly shrub in high altitudes.

Distrib.: Coimbatore (Fischer 1921), Tirunelveli (Gamble 1920).

Osbeckia gracilis Bedd. in Madras J. Lit. Sci. ser. 3, 1 : 45, 1864 & Trans. Linn. Soc. London 25 : 216, 1865; Clarke in Hook. f. Fl. Brit. India 2 : 518, 1879; Gamble, Fl. Pres. Madras 1 : 349, 1957 (repr. ed.); Hansen in Ginkgoana 4 : 77, f. 23(1), tt. 3(A) & 12(C), 1977. *O. sublaevis* Cogn. in DC. Monog. Phan. 7 : 321, 1891; Gamble, Fl. Pres. Madras 1 : 348, 1957 (repr. ed.). *O. lineolata* Gamble in Kew Bull. 1918 : 241, 1918 & Fl. Pres. Madras 1 : 347, 1957 (repr. ed.).

A small shrub in high altitudes, drying yellowish green or dark olive green.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Osbeckia Ieschenaaultiana DC. Prodr. 3 : 142, 1828; Clarke in Hook. f. Fl. Brit. India 2 : 520, 1879; Gamble, Fl. Pres. Madras 1 : 348, 1957 (repr. ed.). *O. gardneriana* Wight, Ic. t. 997, 1845.

A branched shrub in damp places along grasslands at high elevations.

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

Osbeckia muralis Naud. in Ann. Sci. Nat. Bot. ser. 3, 14 : 56, 1850; Hansen in Ginkgoana 4 : 41, ff. 2(5) & 9(10), tt. 6 (C & D), 1977. *O. truncata* D. Don ex Wight & Arn. Prodr. 332, 1834 p.p., nom. illeg.; Clarke in Hook. f. Fl. Brit. India 2 : 514, 1879; Gamble, Fl. Pres. Madras 1 : 349, 1957 (repr. ed.).

An annual erect herb in moist localities of the hills.

Distrib.: Coimbatore, Madurai, Nilgiri, South Arcot, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Osbeckia reticulata Bedd. in Trans. Linn. Soc. London 25 : 216, 1865; Clarke in Hook. f. Fl. Brit. India 2 : 520, 1879; Gamble, Fl. Pres. Madras 1 : 348, 1957 (repr. ed.). *O. alveolata* Bedd. Ic. t. 168, 1868-1874.

A large shrub with large heads, occurring in high elevations.

Distrib.: Coimbatore, Madurai, Tirunelveli (Hansen 1977).

Osbeckia rubicunda Arn. in Companion Bot. Mag. 2 : 309, 1837; Clarke in Hook. f. Fl. Brit. India 2 : 520, 1879; Gamble in Kew Bull. 1920 : 53, 1920; Hansen in Ginkgoana 4 : 91, ff. 3(3), 30(1) & 31(1 & 2), tt. 1(E), 3(B) & 4(B), 1977.

A shrub in high altitudes with large flowers in terminal clusters.

Distrib.: Tirunelveli (Gamble 1920).

Osbeckia parvifolia Arn. in Companion Bot. Mag. 2 : 308, 1837; Clarke in Hook. f. Fl. Brit. India 2 : 515, 1879; Hansen in Ginkgoana 4 : 104, ff. 1(7), 2(18) & 35(7), t. 17(C), 1977. *O. cupularis* D. Don ex Wight & Arn. Prodr. 323, 1834 p.p., nom. illeg.; Clarke in Hook. f. Fl. Brit. India 2 : 514, 1879; Gamble, Fl. Pres. Madras 1 : 349, 1957 (repr. ed.). *O. rosea* Fyson in J. Indian Bot. Soc. 11 : 49, 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1296, 1957 (repr. ed.).

A prostrate or ascending herb growing along grasslands or roadsides in hilly areas.

Distrib.: Coimbatore, Nilgiri.

Osbeckia stellata Buch.-Ham. ex Ker-Gawl. var. **hispidissima** (Wight) Hansen in Ginkgoana 4 : 37. 1977. *O. hispidissima* Wight, Ic. t. 1612. 1850; Clarke in Hook. f. Fl. Brit. India 2 : 516. 1879; Gamble, Fl. Pres. Madras 1 : 349. 1957 (repr. ed.).

A hispid erect undershrub in the hills.

Distrib.: Coimbatore (Fischer 1921).

Osbeckia stellata Buch.-Ham. ex Ker-Gawl. var. **rostrata** (D. Don) Hansen in Ginkgoana 4 : 28. t. 5(C). 1977. *O. rostrata* D. Don, Prodr. Fl. Nep. 221. 1825. *O. rostrata* D. Don var. *pulchella* Triana in Trans. Linn. Soc. London 29 : 54. 1872; Clarke in Hook. f. Fl. Brit. India 2 : 518. 1879; Gamble, Fl. Pres. Madras 1 : 349. 1957 (repr. ed.).

An erect shrub in swampy places of the hills.

Distrib.: Madurai (Gamble 1957).

Osbeckia virgata D. Don ex Wight & Arn. Prodr. 323. 1834; Hansen in Ginkgoana 4 : 107. ff. 1(8), 2(7) & 35(5). 1977. *O. octandra* auct. non (L.) DC. 1828; Hook. f. Fl. Brit. India 2 : 521. 1879; Gamble, Fl. Pres. Madras 1 : 348. 1957 (repr. ed.).

A slender undershrub in the hills.

Distrib.: Coimbatore, Nilgiri, Salem (Matthew 1981), Tiruchchirappalli, Tirunelveli (Wight & Arn. 1834). E.

Osbeckia wynaadensis Clarke in Hook. f. Fl. Brit. India 2 : 521. 1879; Gamble, Fl. Pres. Madras 1 : 348. 1957 (repr. ed.); Hansen in Ginkgoana 4 : 62. ff. 1(5) & 18(3). t. 10(A). 1977.

An erect shrub in swampy areas of the hills.

Distrib.: Coimbatore (Hansen 1977), Madurai (Balasubramanian 1972), Nilgiri.

Osbeckia zeylanica L.f. Suppl. Pl. 215. 1781; Clarke in Hook. f. Fl. Brit. India 2 : 516. 1879; Gamble, Fl. Pres. Madras 1 : 349. 1957 (repr. ed.); Hansen in Ginkgoana 4 : 43. f. 9(4). t. 7(A & B). 1977.

An annual erect herb with twisted anthers, occurring in sunny wet, often sandy places.

Distrib.: Almost all districts.

Sonerila brunonis Wight & Arn. Prodr. 321. 1834; Wight, Ic. t. 1059. 1846; Clarke in Hook. f. Fl. Brit. India 2 : 531. 1879; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.). *S. arnottiana* Thw. var. *tenella* Bedd. in Trans. Linn. Soc. London 25 : 217. 1865; Clarke in Hook. f. Fl. Brit. India 2 : 532. 1879.

An erect woody herb in the hills.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Sonerila clarkei Cogn. in DC. Monog. Phan. 7 : 501. 1891; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.). *S. amabilis* Bedd. ex Clarke in Hook. f. Fl. Brit. India 2 : 533. 1879, non Kurz 1871.

A woody herb in the hills.

Distrib.: Kanniyakumari, Tirunelveli.

Sonerila devicolamensis Nayar in J. Bombay Nat. Hist. Soc. 71 : 632. ff. A-C. 1974.

A suberect herb in high altitudes.

Distrib.: Kanniyakumari. A new distributional record for Tamil Nadu.

Sonerila elegans Wight, Ic. t. 995/3. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 535. 1879; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.).

An erect herb with rather thick stems at high altitudes.

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

Sonerila grandiflora R. Br. ex Wight & Arn. Prodr. 322. 1834; Wight, Ic. t. 995. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 535. 1879; Gamble, Fl. Pres. Madras 1 : 353. 1957 (repr. ed.).

A pretty undershrub, usually along streams at high altitudes.

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

Sonerila pulneyensis Gamble in Kew Bull. 1919 : 226. 1919 & Fl. Pres. Madras 1 : 353. 1957 (repr. ed.).

A straggling fleshy herb, in ravines in the hills.

Distrib.: Madurai. O. R. +.

Sonerila rheedii Wight & Arn. Prodr. 321. 1834; Gamble, Fl. Pres. Madras 1 : 353. 1957 (repr. ed.). *S. wallichii* sensu Clarke in Hook. f. Fl. Brit. India 2 : 538. 1879 p.p., non Benn. 1844.

A small, short-stemmed or stemless herb, in shady moist places in the hills.

Distrib.: Nilgiri.

Sonerila rotundifolia Bedd. in Madras J. Lit. Sci. ser. 2. 22 : 74. 1861 & Ic. t. 169. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 538. 1879; Gamble, Fl. Pres. Madras 1 : 353. 1957 (repr. ed.).

A small stemless herb, in wet shady places in higher hills.

Distrib.: Coimbatore (Gamble 1957), Nilgiri.

Sonerila sadasivanli Nayar in Proc. Indian Acad. Sci. 69B : 256. f. 1(A-E). 1969.

An erect herb having winged stem, occurring in the hilly regions.

Distrib.: Tirunelveli.

Sonerila speciosa Zenk. in Ann. Sci. Nat. Bot. ser. 2. 6 : 151. 1830; Wight, Ic. t. 995/2. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 534. 1879; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.).

A fleshy herb, in ravines and in moist shady places at high altitudes.

Distrib.: Nilgiri, Tirunelveli (Cogniaux 1891).

Sonerila tenera Royle, Ill. 215. t. 45. f. 2. 1835; Clarke in Hook. f. Fl. Brit. India 2 : 530. 1879; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.).

A small weak herb, in moist shady places on rocks in the hills.

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

Sonerila tinneveliense Fischer in Kew Bull. 1934 : 165. 1934 & in Gamble, Fl. Pres. Madras 3 : 1297. 1957 (repr. ed.).

An erect undershrub in the hills.

Distrib.: Madurai, Kanniyakumari, Tirunelveli.

Sonerila travancorica Bedd. Ic. t. 156. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 534. 1879; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.).

A perennial herb or undershrub with silky foliage, in the hills.

Distrib.: Kanniyakumari, Tirunelveli.

Sonerila versicolor Wight, Ic. t. 1057. 1846, var. *versicolor*; Clarke in Hook. f. Fl. Brit. India 2 : 535. 1879 p.p.; Gamble, Fl. Pres. Madras 1 : 352. 1957 (repr. ed.).

An annual undershrub with terminal racemes, in the hills.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Sonerila versicolor Wight var. *axillaris* (Wight) Gamble, Fl. Pres. Madras 499. 1919 & 1 : 352. 1957 (repr. ed.). *S. axillaris* Wight, Ic. t. 1058. 1846. *S. versicolor* sensu Clarke in Hook. f. Fl. Brit. India 2 : 535. 1879 p.p., non Wight 1846.

A herb with axillary racemes, in the hills.

Distrib.: Nilgiri.

Sonerila wallichii Benn. Pl. Jav. Rar. 215. 1844; Clarke in Hook. f. Fl. Brit. India 2 : 538. 1879 p.p.; Gamble, Fl. Pres. Madras 1 : 353. 1957 (repr. ed.); Ramam. in Saldanha & Nicolson, Fl. Hassan Dist. 287. f. 54(A). 1976.

A scapigerous herb, in moist shaded places of the hills.

Distrib.: Coimbatore, Nilgiri.

Sonerila zeylanica Wight & Arn. Prodr. 322. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 530. 1879.

An erect annual herb in the hills. A new record for India.

Distrib.: Coimbatore, Madurai.

Tibouchina semidecandra Cogn. in Mart. Fl. Bras. 14 : 365. 1817-1820; Fyson, Fl. South Indian Hill St. 1 : 228. 1932. *Pleroma macranthum* Hook. f. in Bot. Mag. t. 5721. 1868.

An erect ornamental shrub, cultivated and run wild in the hills.

Distrib.: Madurai (Matthew 1969), Nilgiri.

LYTHRACEAE

S.R. SRINIVASAN

Ammannia baccifera L. Sp. Pl. 120. 1753 incl. subsp. *aegyptiaca* (Willd.) Koehne; Clarke in Hook. f. Fl. Brit. India 2 : 569. 1879; Gamble, Fl. Pres. Madras 1 : 360. 1957 (repr. ed.). *A. salicifolia* sensu Clarke in Hook. f. Fl. Brit. India 2 : 569. 1879, non Blume 1856.

Tamil: *Nirumel neruppu, Kallurvi.*

An erect herb, in wet places.

Distrib.: Almost all districts. E.

Ammannia multiflora Roxb. Fl. Ind. 1 : 426. 1820; Clarke in Hook. f. Fl. Brit. India 2 : 570. 1879; Gamble, Fl. Pres. Madras 1 : 360. 1957 (repr. ed.).

A small erect herb in wet places.

Distrib.: All plain districts.

Ammannia octandra L.f. Suppl. Pl. 127. 1781; Roxb. Pl. Cor. t. 133. 1800; Clarke in Hook. f. Fl. Brit. India 2 : 571. 1879; Gamble, Fl. Pres. Madras 1 : 360. 1957 (repr. ed.).

An erect herb in the coastal area and on tank borders.

Distrib.: Almost all districts.

Cuphea ignea A. DC. in Fl. Serres Jard. Eur. ser. 1. 5 : 500. 1849.

A shrub with spreading branches, introduced in gardens. E.

Cuphea platycentra Lemaire. Fl. d. Gewachs-hauser 2. t. 180. 1846; Sharma et al. in Biol. Mem. 2(1 & 2) : 60. 1977.

Cultivated in gardens. E.

Lagerstroemia indica L. Syst. Nat. ed. 10. 1076. 1759; Wight, Ill. 1 : t. 86. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 576. 1879; Gamble, Fl. Pres. Madras 1 : 362. 1957 (repr. ed.).

Tamil: *Tindiyam.*

A large shrub or small tree with showy flowers; commonly cultivated in gardens. E.

Lagerstroemia microcarpa Wight, Ic. t. 109. 1839; Bedd. Fl. Sylv. t. 30. 1869. *L. lanceolata* Wall. ex Clarke in Hook. f. Fl. Brit. India 2 : 576. 1879; Gamble, Fl. Pres. Madras 1 : 362. 1957 (repr. ed.). *L. thomsonii* Koehne in Engler, Pflanzenr. 17 : 251. 1903; Gamble, Fl. Pres. Madras 1 : 362. 1957 (repr. ed.).

A large tree in deciduous and dry evergreen forests.

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

Lagerstroemia parviflora Roxb. Pl. Cor. t. 66. 1795; Wight, Ic. t. 69. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 575. 1879; Gamble, Fl. Pres. Madras 1 : 362. 1957 (repr. ed.).

Tamil: *Chenangi.*

A large tree in deciduous forests.

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

Lagerstroemia reginae Roxb. Pl. Cor. t. 65. 1795; Wight, Ic. t. 413. 1843. *L. flos-reginae* Retz. Obs. Bot. 5 : 25. 1788 p.p.; Clarke in Hook. f. Fl. Brit. India 2 : 577. 1879; Gamble, Fl. Pres. Madras 1 : 362. 1957 (repr. ed.).

Tamil: *Kadalai, Pu Maruthu.*

A large deciduous tree, chiefly grown along river banks; much cultivated for ornament, sometimes for timber. E.

Lawsonia inermis L. Sp. Pl. 349. 1753; Gamble, Fl. Pres. Madras 1 : 363. 1957 (repr. ed.). *L. alba* Lam. Encycl. 3 : 106. 1789; Wight, Ill. 1 : t. 87. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 573. 1879.

Tamil: *Marithondi, Marudondi.*

A deciduous shrub, cultivated as a hedge plant. E.

Nesaea brevipes Koehne in Engler, Bot. Jahrb. Syst. 3 : 326. 1882; Gamble, Fl. Pres. Madras 1 : 360. 1957 (repr. ed.). *Ammannia cordata* Wight & Arn. Prodr. 304. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 570. 1879.

A glabrous erect herb.

Distrib.: Chengalpattu, Dharmapuri, Madurai, Tirunelveli.

Nesaea lanceolata (Heyne ex Clarke) Koehne in Engler, Bot. Jahrb. Syst. 3 : 325. 1882; Gamble, Fl. Pres. Madras 1 : 360. 1957 (repr. ed.). *Ammannia lanceolata* Heyne ex Clarke in Hook. f. Fl. Brit. India 2 : 570. 1879.

An erect herb in wet places and in the coastal regions.

Distrib.: Chengalpattu, Dharmapuri (Matthew 1981), Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Pemphis acidula Forst. Char. Gen. 68. t. 34. 1776; Clarke in Hook. f. Fl. Brit. India 2 : 573. 1879; Gamble, Fl. Pres. Madras 1 : 361. 1957 (repr. ed.).

A large shrub in the tidal forests and in the coastal regions.

Distrib.: Ramanathapuram, Tirunelveli.

Rotala densiflora (Roth ex Roem. & Schultes) Koehne in Engler, Bot. Jahrb. Syst. 1 : 164. 1880; Gamble, Fl. Pres. Madras 1 : 274. 1957 (repr. ed.). *Ammannia densiflora* Roth ex Roem. & Schultes, Syst. 3 : 304. 1818. *Rotala roxburghiana* Wight, Ic. t. 260B. 1840.

A herb in wet places.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Salem, South Arcot, Tiruchchirappalli (Matthew 1981).

Rotala fimbriata Wight, Ic. t. 217. 1839; Gamble, Fl. Pres. Madras 1 : 359. 1957 (repr. ed.). *Ammannia pentandra* Roxb. var. *fimbriata* (Wight) Clarke in Hook. f. Fl. Brit. India 2 : 569. 1879.

A large herb in rice fields and on tank borders.

Distrib.: Coimbatore, Dharmapuri, South Arcot.

Rotala illecebroides (Arn. ex Clarke) Koehne in Engler, Bot. Jahrb. Syst. 1 : 162. 1881; Gamble, Fl. Pres. Madras 1 : 358. 1957 (repr. ed.). *Ammannia pentandra* Roxb. var. *illecebroides* Arn. ex Clarke in Hook. f. Fl. Brit. India 2 : 569. 1879.

A very slender herb in marshy places.

Distrib.: Coimbatore, Dharmapuri, Salem.

Rotala indica (Willd.) Koehne in Engler, Bot. Jahrb. Syst. 1 : 172. 1881; Gamble, Fl. Pres. Madras 1 : 359. 1957 (repr. ed.). *Peplis indica* Willd. Sp. Pl. 2 : 244. 1799. *Ammannia peploides* Spreng. Syst. Veg. 1 : 444. 1825; Clarke in Hook. f. Fl. Brit. India 2 : 566. 1879. *Ameletia indica* (Willd.) DC. Prodr. 3 : 76. 1828; Wight, Ic. t. 257A. 1840.

A much branched herb in rice fields.

Distrib.: Nilgiri, Salem, South Arcot (Matthew 1981), Thanjavur, Tiruchchirappalli (RHT), Tirunelveli.

Rotala macrandra Koehne in Engler, Bot. Jahrb. Syst. 1 : 176. 1881; Gamble, Fl. Pres. Madras 1 : 359. 1957 (repr. ed.). *Ammannia rotundifolia* sensu Clarke in Hook. f. Fl. Brit. India 2 : 566. 1879 p.p., non Buch.-Ham. ex D. Don 1825.

A flaccid herb in the hills.

Distrib.: Coimbatore (Gamble 1957). R.

Rotala pentandra (Roxb.) Blatter & Hallb. in J. Bombay Nat. Hist. Soc. 25 : 707. 1918 p.p.; Van Leeuwen in Blumea 19 : 55. 1971. *Ammannia pentandra* Roxb. Fl. Ind. 1 : 475. 1820; Clarke in Hook. f. Fl. Brit. India 2 : 568. 1879 p.p. *Rotala leptopetala* (Blume) Koehne in Engler, Bot. Jahrb. Syst. 1 : 162. 1881; Gamble, Fl. Pres. Madras 1 : 358. 1957 (repr. ed.). *Ammannia leptopetala* Blume, Mus. Bot. Lugduno Batavum 2 : 134. 1850.

A herb in moist places.

Distrib.: Almost all districts.

Rotala rotundifolia (Buch. Ham. ex D. Don) Koehne in Engler, Bot. Jahrb. Syst. 1 : 175. 1880; Gamble, Fl. Pres. Madras 1 : 359. 1957 (repr. ed.). *Ammannia rotundifolia* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 220. 1825; Clarke in Hook. f. Fl. Brit. India 2 : 566. 1879 p.p.

An extensively creeping herb in rice fields and wet places in the hilly region.

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

Rotala verticillaris L. Mant. Pl. 175. 1771; Wight, Ic. t. 260 A. 1840; Gamble, Fl. Pres. Madras 1 : 359. 1957 (repr. ed.). *Ammannia rotala* sensu Clarke in Hook. f. Fl. Brit. India 2 : 567. 1879, non F.v. Muell. 1862-1863.

A small herb in rice fields.

Distrib.: Chengalpattu, Coimbatore, Madurai, South Arcot (Matthew 1981), Tiruchchirappalli, Tirunelveli.

SONNERATIACEAE

S. R. SRINIVASAN

Sonneratia apetala Buch. Ham. in Symes, Embassy Ava 3 : 477. 1800; Clarke in Hook. f. Fl. Brit. India 2 : 579. 1879; Gamble, Fl. Pres. Madras 1 : 363. 1957 (repr. ed.).

Tamil: *Marama*.

A moderate sized evergreen tree; in mangroove forests of East Coast.

Distrib.: South Arcot. E.

PUNICACEAE

S. R. SRINIVASAN

Punica granatum L. Sp. Pl. 472.1753; Wight, Ill. 1 : t. 97. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 581. 1879.

Tamil: *Madalai*.

A shrub, cultivated. E.

ONAGRACEAE

R. GOPALAN

Circaea alpina L. subsp. *imaicola* (Asch. & Magn.) Kitamura in Fl. Afganistan 279. 1960. *C. alpina* L. var. *imaicola* Asch. & Magn. in Bot. Zeitung (Berlin) 28 : 74. 1870. *C. alpina* L. var. *himalaica* Clarke in Hook. f. Fl. Brit. India 2 : 589. 1879. *C. alpina* sensu Wight, Ill. 2 : t. 101. 1850, non L. 1753; Gamble, Fl. Pres. Madras 1 : 366. 1957 (repr. ed.).

A small herb with white flowers, at higher elevations.

Distrib.: Madurai, Nilgiri. R.

Fuchsia arborescens Sims in Bot. Mag. t. 2620. 1826.

A shrub, introduced mostly in hill stations.

Fuchsia boliviana Carr. var. *luxurians*; Johnston in Rev. Hort. 1876 : 150. 1876. *F. corymbiflora* Ruiz & Pav. Fl. Per. 3 : 87. t. 325. 1802; Fyson, Fl. South Indian Hill St. 2 : t. 183. 1932.

A weak stemmed shrub with red flowers; introduced mostly in hill stations.

Fuchsia magellanica Lam. Encycl. 2 : 564. 1788; Matthew in Rec. Bot. Surv. India 20(1) : 121. 1969.

An erect shrub with purple flowers, cultivated.

Ludwigia adscendens (L.) Hara in J. Jap. Bot. 28 : 290. 1953. *Jussiaea adscendens* L. Mant. Pl. 1 : 69. 1767. *J. repens* L. Sp. Pl. 1 : 388. 1753, non *Ludwigia repens* Forst. 1771; Clarke in Hook. f. Fl. Brit. India 2 : 587. 1879; Gamble, Fl. Pres. Madras 1 : 365. 1957 (repr. ed.).

A pretty aquatic herb with floating stems.

Distrib.: Almost all districts.

Ludwigia hyssopifolia (G. Don) Exell, Garcia de Orta 5 : 471. 1957. *Jussiaea hyssopifolia* G. Don, Gen. Syst. 2 : 693. 1832. *J. linifolia* Vahl, Eclog. Amer. 2 : 32. 1798, non *Ludwigia linifolia* Poir. 1813; Fischer in Gamble, Fl. Pres. Madras

3 : 1298. 1957 (repr. ed.). *Flsseudocarpa linifolia* (Vahl) Bennet in J. Bombay Nat. Hist. Soc. 67 : 126. 1970.

A bushy shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli (Matthew 1981), Tirunelveli.

Ludwigia octovalvis (Jacq.) Raven subsp. *sessiliflora* (Mich.) Raven in Kew Bull. 15 : 476. 1962. *Jussiaea octonervia* forma *sessiliflora* Mich. in Mast. Fl. Bras. 13(2) : 171. 1875. *J. suffruticosa* L. Sp. Pl. 388. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 587. 1879; Gamble, Fl. Pres. Madras 1 : 365. 1957 (repr. ed.). *J. villosa* Lam. Encycl. 3 : 331. 1789; Fischer in Gamble, Fl. Pres. Madras 3 : 1297. 1957 (repr. ed.).

Tamil: *Kattukirambu*, *Kirambuppondu*, *Nirkirambu*.

Herbs, more or less densely covered with spreading pubescence.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Kaaniyakumari, Madurai, Nilgiri, Salem, South Arcot, Tiruchchirappalli (Matthew 1981), Tirunelveli. E.

Ludwigia perennis L. Sp. Pl. 119. 1753 excl. follis oppositis. *L. parviflora* Roxb. Fl. Ind. 1 : 440. 1820; Wight, Ill. 2 : t. 101. 1850; Clarke in Hook. f. Fl. Brit. India 2 : 588. 1879; Gamble, Fl. Pres. Madras 2 : 365. 1957 (repr. ed.).

Annual herbs.

Distrib.: Almost all districts.

Ludwigia peruviana (L.) Hara in J. Jap. Bot. 28 : 293. 1953. *Jussiaea peruviana* L. Sp. Pl. 388. 1753. *J. speciosa* Ridley in J. Bot. 59 : 259. 1921; Fischer in Gamble, Fl. Pres. Madras 3 : 1298. 1957 (repr. ed.).

A shrub with yellow flowers.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Salem.

Ludwigia prostrata Roxb. Fl. Ind. 1 : 441. 1820; Wight, Ic. t. 762. 1844; Clarke in Hook. f. Fl. Brit. India 2 : 588. 1879; Gamble, Fl. Pres. Madras 1 : 365. 1957 (repr. ed.).

A herb, often with reddish tinge.

Distrib.: Chengalpattu (Raven 1963), Coimbatore.

Oenothera biennis L. Sp. Pl. 346. 1753.

An erect herb with yellow flowers, cultivated.

Oenothera glazioviana Mich. in Mart. Fl. Bras. 13(2) : 178. 1882; Raven et al. in Syst. Bot. 4 : 244. 1979. *O. lamarekiana* auct. non Scr. 1882.

A herb, mostly cultivated in the hills for ornament.

Oenothera nocturna Jacq. Ic. Pl. Rar. 3(3) : 455. 1789.

A herb, mostly cultivated in the hills.

Oenothera odorata Jacq. Ic. Pl. Rar. 3(3) : t. 456. 1789; Clarke in Hook. f. Fl. Brit. India 2 : 582. 1879.

A perennial herb with reddish yellow flowers, cultivated.

Oenothera rosea Ait. Hort. Kew. ed. 1. 2 : 3. 1789; Clarke in Hook. f. Fl. Brit. India 2 : 582. 1879; Fyson, Fl. South Indian Hill St. 2 : t. 182. 1932; Gamble, Fl. Pres. Madras 1 : 366. 1957 (repr. ed.).

A perennial herb with pinkish flowers, cultivated.

Oenothera tetraptera Cav. Ic. 3 : 40. t. 279. 1794; Clarke in Hook. f. Fl. Brit. India 2 : 582. 1879; Fyson, Fl. South Indian Hill St. 2 : t. 181. 1932; Gamble, Fl. Pres. Madras 1 : 366. 1957 (repr. ed.).

A perennial herb with large white flowers fading to pink, cultivated.

TRAPACEAE

R. GOPALAN

Trapa natans L. var. *hispidosa* (Roxb.) Makino in Inuma, Somoku Dzusetzu ed. 3. 1 : 137. 1907. *T. hispidosa* Roxb. Pl. Cor. t. 234. 1815; Clarke in Hook. f. Fl. Brit. India 2 : 590. 1879; Gamble, Fl. Pres. Madras 1 : 366. 1957 (repr. ed.).

Tamil: *Singara*.

A floating herb.

Distrib.: Chengalpattu, Kanniyakumari.

E.

TURNERACEAE

S. R. SRINIVASAN

Turnera subulata Smith in Rees, Cyclop. 36 : 1702, 1819. *T. ulmifolia* L. var. *elegans* (Otto) Urb. Monog. Turn. 139, 1883; Gamble, Fl. Pres. Madras 1 : 369, 1957 (repr. ed.). *T. elegans* Otto in Nees, Hor. Phys. Berol. 36, 1820.

Perennial herbs up to 80 cm tall, along roadsides and in waste places.

Distrib.: Chengalpattu, Coimbatore, South Arcot (Matthew 1981).

Turnera ulmifolia L. Sp. Pl. 271, 1753. *T. ulmifolia* L. var. *angustifolia* (Mill.) Willd. ex Urb. Monog. Turn. 141, 1883; Gamble, Fl. Pres. Madras 1 : 369, 1957 (repr. ed.). *T. angustifolia* Mill. Gard. Dict. ed. 8. n. 2, 1768.

Perennial herbs, along roadsides and in waste places.

Distrib.: Coimbatore, Ramanathapuram, South Arcot (Matthew 1981), Tiruchchirappalli (RHT). E.

PASSIFLORACEAE

S. R. SRINIVASAN

Adenia hondala (Gaertn.) Wilde in Blumea 15 : 265, 1967. *Granadilla hondala* Gaertn. Fruct. 2 : 480, t. 180, f. 10, 1791. *Adenia palmata* (Lam.) Engler in Bot. Jahrb. Syst. 14 : 375, 1892; Wight, Ic. t. 201, 1839; Gamble, Fl. Pres. Madras 1 : 371, 1957 (repr. ed.). *Modecca palmata* Lam. Encycl. 4 : 209, 1797; Mast. in Hook. f. Fl. Brit. India 2 : 603, 1879.

A large woody climber.

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

Adenia wightiana (Wall. ex Wight & Arn.) Engler in Bot. Jahrb. Syst. 14 : 376, 1891; Gamble, Fl. Pres. Madras 1 : 371, 1957 (repr. ed.). *Modecca wightiana* Wall. ex Wight & Arn. Prodr. 353, 1834; Wight, Ic. t. 179, 1839; Mast. in Hook. f. Fl. Brit. India 2 : 601, 1879.

A climber in dry forests at low elevations.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai (RHT), Ramanathapuram, South Arcot, Tiruchchirappalli. E.

Passiflora alba Link & Otto, Ic. Pl. Rar. Hort. Berol. t. 33, 1830. *P. adenophylla* Mast. in Mart. Fl. Bras. 13(1) : 568, 1840 - 1906.

A climber.

Distrib.: Nilgiri (FRC).

Passiflora antioquiensis Karsten in Linnaea 30 : 162, 1859. *Tacsonia varvolxemii* Lemaire in Ill. Hort. 10 : t. 381, 1863; Matthew in Rec. Bot. Surv. India 20(1) : 123, 1969.

An evergreen climber, cultivated in gardens. E.

Passiflora caerulea L. Sp. Pl. 959, 1753; Matthew in Rec. Bot. Surv. India 20(1) : 124, 1969.

A glabrous slender climber, cultivated in gardens. E.

Passiflora calcarata Mast. in Trans. Linn. Soc. London 27 : 638, 1871; Gamble, Fl. Pres. Madras 1 : 370, 1957 (repr. ed.); Fyson, Fl. South Indian Hill St. 2 : t. 186, 1932.

A glabrous wiry climber, run wild in hill stations. E.

Passiflora edulis Sims in Bot. Mag. t. 1989, 1818; Fyson, Fl. South Indian Hill St. 2 : t. 187, 1932; Gamble, Fl. Pres. Madras 1 : 370, 1957 (repr. ed.).

A climber; the passion fruit from Brazil, sometimes cultivated in the hills and occasionally found run wild. E.

Passiflora foetida L. Sp. Pl. 959, 1753; Gamble, Fl. Pres. Madras 1 : 570, 1957 (repr. ed.).

Tamil: *Siruppunakkali*.

A climber, run wild in almost all districts. E.

Passiflora holoserica L. Sp. Pl. 958, 1753.

Commonly cultivated in gardens. E.

Passiflora laurifolia L. Sp. Pl. 956. 1753.

A glabrous climber, cultivated in gardens. E.

Passiflora leschenaultii DC. Prodr. 3 : 326. 1828; Wight, Ic. t. 39. 1838; Mast. in Hook. f. Fl. Brit. India 2 : 599. 1879; Gamble, Fl. Pres. Madras 1 : 370. 1957 (repr. ed.).

A climbing shrub.

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

Passiflora mollissima (H.B.K.) Bailey in Rhodora 18 : 156. 1916. *Tacsonia mollissima* H.B.K. Nov. Gen. Sp. 2 : 144. 1817; Fyson, Fl. South Indian Hill St. 2 : t. 188. 1932.

An evergreen perennial climber, introduced in gardens of hilly regions. E.

Passiflora quadrangularis L. Syst. Nat. ed. 10. 2 : 1248. 1759.

A climber, introduced in gardens. E.

CARICACEAE

S. R. SRINIVASAN

Carica cudinamarcensis Linden, Cat. n. 87. 1871. *C. candamarcensis* Hook. f. in Bot. Mag. t. 6198. 1875; Matthew in Rec. Bot. Surv. India 20(1) : 126. 1969.

An unbranched soft wooded tree up to 8 m tall, introduced in the hills. E.

Carica papaya L. Sp. Pl. 1036. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 599. 1879; Gamble, Fl. Pres. Madras 1 : 371. 1957 (repr. ed.).

Tamil: *Pappayi, Pappali*.

A tree cultivated in gardens in the plains for its valuable edible fruits. E.

CUCURBITACEAE

G. R. KUMARI

Benincasa hispida (Thunb.) Cogn. in DC. Monog. Phan. 3 : 513. 1881. *Cucurbita hispida* Thunb. Fl. Jap. 322. 1784.

Benincasa cerifera Savi in Biblioth. Ital. 9 : 158. 1818; Hook. f. Fl. Brit. India 2 : 616. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

Tamil: *Pushani Kai*.

Cultivated widely for its fruits which are large and covered with waxy bloom. E.

Citrullus colocynthis (L.) Schrader in Linnaea 12 : 414. 1838; Wight, Ic. t. 498. 1841; Clarke in Hook. f. Fl. Brit. India 2 : 620. 1879; Gamble, Fl. Pres. Madras 1 : 378. 1957 (repr. ed.). *Cucumis colocynthis* L. Sp. Pl. 1011. 1753.

Tamil: *Peykkonutti, Verikkumatti, Verittumatti*.

A trailing scabrid herb on dry sandy or stony lands.

Distrib.: In most of the districts. E.

Citrullus lanatus (Thunb.) Matsumura & Nakai in Cat. Sem. Spor. Hort. Bot. Univ. Imp. Tokyo 1916 : 30. 1916. *Momordica lanata* Thunb. Prodr. Pl. Cap. 13. 1794. *Citrullus vulgaris* Schrader ex Eckl. & Zeyher, Enum. 279. 1836; Clarke in Hook. f. Fl. Brit. India 2 : 621. 1879; Gamble, Fl. Pres. Madras 1 : 379. 1957 (repr. ed.).

Tamil: *Dharbusini*.

Cultivated; grown on the sandy river beds for its fruits. E.

Coccinia grandis (L.) Voigt, Hort. Sub. Calc. 59. 1845. *Bryonia grandis* L. Mant. Pl. 126. 1767. *Coccinia indica* Wight & Arn. Prodr. 347. 1834; Wight, Ill. 2 : t. 105. 1850; Gamble, Fl. Pres. Madras 1 : 379. 1957 (repr. ed.). *Cephalandra indica* (Wight & Arn.) Naud. in Ann. Sci. Nat. Bot. ser. 5. 5 : 16. 1866; Clarke in Hook. f. Fl. Brit. India 2 : 621. 1879 excl. syn.

Tamil: *Kovai*.

A climber with large white flowers; cultivated for its fruits used as vegetable.

Distrib.: Almost all districts. E.

Corallocarpus epigeus (Rottl. & Willd.) Clarke in Hook. f. Fl. Brit. India 2 : 628. 1879; Gamble, Fl. Pres. Madras 1 : 382. 1957 (repr. ed.). *Bryonia epigaea* Rottl.

& Willd. in Ges. Naturf. Freunde Berlin Neue Schriften ser. 4 : 212. 1803. *Aechmandra epigaea* (Rottl. & Willd.) Arn. in J. Bot. (Hooker) 3 : 274. 1841; Wight, Ic. t. 503. 1841. *Corallocarpus gracilipes* (Naud.) Cogn. in DC. Monog. Phan. 3 : 650. 1881; Gamble, Fl. Pres. Madras 1 : 382. 1957 (repr. ed.). *Rhynchocharpa epigaeus* (Rottl. ex Willd.) Clarke var. *gracilipes* Naud. in Ann. Sci. Nat. Bot. ser. 4. 16 : 179. 1862.

Tamil: *Akashagaruden*.

A thick-stemmed climber in dry places.

Distrib.: Almost all districts. E.

Ctenolepis garcinii (Burm. f.) Clarke in Hook. f. Fl. Brit. India 2 : 629. 1879. *Sicyos garcinii* Burm. f. Fl. Ind. 211. 1768. *Blastania garcinii* (Burm. f.) Cogn. in DC. Monog. Phan. 3 : 629. 1881; Gamble, Fl. Pres. Madras 1 : 381. 1957 (repr. ed.).

A slender, pretty climber.

Distrib.: Almost all districts. E.

Cucumis melo L. Sp. Pl. 1014. 1753, var. *melo*; Clarke in Hook. f. Fl. Brit. India 2 : 620. 1879; Gamble, Fl. Pres. Madras 1 : 378. 1957 (repr. ed.). *C. melo* L. var. *cultis* Kurz in J. Asiat. Soc. Bengal 46 : 102. 1877. *C. melo* L. var. *agrestis* (Naud.) Greb. in Kulturpflanze Beih. 2 : 424. 1959. *C. melo* L. var. *agrestis* Naud. in Ann. Sci. Nat. Bot. ser. 4. 11 : 73. 1859. *C. pubescens* Willd. Sp. Pl. 4 : 614. 1805; Wight, Ic. t. 496. 1841; Gamble, Fl. Pres. Madras 1 : 378. 1957 (repr. ed.). *C. callosus* (Rottl.) Cogn. in Engler, Pflanzenf. 88 : 275. 1924. *Bryonia callosa* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften ser. 4. 210. 1803.

Tamil: *Chukkarigai*, *Thumattikai*, *Mulampazham*.

A scabrous creeper, widely cultivated on sandy river beds. E.

Cucumis melo L. var. *utilissimus* (Roxb.) Duthie & Fuller in Field & Gard. Crops Pl. 2 : 55. (t. 53 & 54. 1883. *C. utilissimus* Roxb. Fl. Ind. 3 : 721. 1832.

Tamil: *Kakkarikay*, *Vellarikkay*.

Cultivated. E.R.

Cucumis sativus L. Sp. Pl. 1012. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 620. 1879; Gamble, Fl. Pres. Madras 1 : 378. 1957 (repr. ed.).

Tamil: *Vellarikai*, *Kakrikai*.

Hispid climbers, cultivated widely. E.

Cucumis trigonus Roxb. Fl. Ind. 2 : 722. 1832; Wight, Ic. t. 497. 1841; Clarke in Hook. f. Fl. Brit. India 2 : 619. 1879 p.p.; Gamble, Fl. Pres. Madras 1 : 378. 1957 (repr. ed.).

Distrib.: In most of the districts.

Cucurbita maxima Duchesne ex Lam. Encycl. 2 : 151. 1786; Clarke in Hook. f. Fl. Brit. India 2 : 622. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

Tamil: *Arasanikai*, *Parangikayi*.

A climber, cultivated for its fruits used as vegetable. E.

Cucurbita moschata (Duchesne ex Lam.) Duchesne ex Poir. in Dict. Sci. Nat. 11 : 234. 1818; Clarke in Hook. f. Fl. Brit. India 2 : 622. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.). *C. pepo* L. var. *moschata* Duchesne ex Lam. Encycl. 2 : 152. 1786. *C. maxima* sensu Wight & Arn. Prodr. 351. 1834, non Duchesne ex Lam.; Wight, Ic. t. 507. 1841.

A climber, cultivated for its large fruits. E.

Cucurbita pepo L. Sp. Pl. 1753, var. *pepo*; Clarke in Hook. f. Fl. Brit. India 2 : 622. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

Tamil: *Suraikai*.

A large climber, cultivated for its fruits. E.

Cucurbita pepo L. var. *ovifera* (L.) Alef. in Landwirth Fl. 224. 1866. *C. ovifera* L. Mant. Pl. 126. 1767; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

A climber, cultivated for its fruits used as vegetable. E. R.

Diplocyclos palmatus (L.) Jeffrey in Kew Bull. 15 : 352. 1962. *Bryonia palmata* L. Sp. Pl. 1012. 1753. *B. laciniosa* L. Sp. Pl. 1013. 1753 p.p. excl. typus; Wight, Ic. t. 500. 1841; Clarke in Hook. f. Fl. Brit. India 2 : 622. 1879. *Bryonopsis laciniosa* sensu Naud. in Ann. Sci. Nat. Bot. ser. 4. 12 : 141. 1859; Gamble, Fl. Pres. Madras 1 : 377. 1957 (repr. ed.).

A slender climbing annual with angular stems in hedges and on bushes.

Distrib.: Almost all districts. E.

Gymnopetalum wightii Arn. in Madras J. Lit. Sci. 12 : 52. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 611. 1879; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.).

A slender climber with yellow flowers.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Chakravarty 1959), Nilgiri, Salem (Matthew 1981), South Arcot, Tirunelveli.

Gynostemma pentaphyllum (Thunb.) Makino in Bot. Mag. (Tokyo) 16 : 179. 1902. *Vitis pentaphylla* Thunb. Fl. Jap. 105. 1784. *Gynostemma pedata* Blume, Bijdr. 23. 1825; Clarke in Hook. f. Fl. Brit. India 2 : 633. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

A slender climber.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Chakravarty 1959), Nilgiri, Tirunelveli.

Kedrostis courtallensis (Arn.) Jeffrey in Kew Bull. 15 : 353. 1962. *Bryonopsis courtallensis* Arn. in J. Bot. (Hooker) 3 : 274. 1841. *Cerasiocarpum zeylanicum* (Thw.) Clarke in Hook. f. Fl. Brit. India 2 : 629. 1879. *Aechmandra zeylanica* Thw. Enum. Pl. Zeyl. 125. 1859. *Cerasiocarpum bennettii* (Miq.) Cogn. in DC. Monog. Phan. 3 : 729. 1881; Gamble, Fl. Pres. Madras 1 : 382. 1957 (repr. ed.). *Bryonopsis bennettii* Miq. Fl. Ind. Bat. 1 : 657. 1856.

A pretty climber with membranous leaves.

Distrib.: Chengalpattu & Nilgiri (Chakravarty 1959).

Kedrostis foetidissima (Jacq.) Cogn. in DC. Monog. Phan. 3 : 634. 1881. *Trichosanthes foetidissima* Jacq. Collect. 2 : 341. 1789. *Kedrostis rostrata* (Rottl.) Cogn. in DC. Monog. Phan. 3 : 636. 1881; Gamble, Fl. Pres. Madras 1 : 381. 1957 (repr. ed.). *Bryonia rostrata* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften ser. 4. 213. 1803. *Rhynchocharpa foetida* sensu Clarke in Hook. f. Fl. Brit. India 2 : 627. 1879 p.p., non Schrader 1838.

Prostrate herbs with small flowers.

Distrib.: Chengalpattu (Gamble 1957), Coimbatore, Dharmapuri, Madurai, Salem.

Lagenaria siceraria (Molina) Standley in Publ. Field Mus. Nat. Hist. Chicago Bot. ser. 1. 3 : 435. 1930. *Cucurbita siceraria* Molina, Sagg. Chil. 133 : 335. 1782. *Lagenaria vulgaris* Ser. in Mem. Soc. Phys. Geneve 3(1) : 25. t. 2. 1825; Clarke in Hook. f. Fl. Brit. India 2 : 613. 1879; Gamble, Fl. Pres. Madras 1 : 383. 1957 (repr. ed.).

Tamil: *Sorakkai*.

A climber, widely cultivated for its fruits used as vegetable. E.

Luffa acutangula (L.) Roxb. Hort. Beng. 70. 1841 & Fl. Ind. 3 : 713. 1832 incl. var. *amara*; Clarke in Hook. f. Fl. Brit. India 2 : 615. 1879; Gamble, Fl. Pres. Madras 1 : 377. 1957 (repr. ed.). *Cucumis acutangula* L. Sp. Pl. 1011. 1753.

Tamil: *Pekankai*, *Peypirkam*.

A climber, cultivated for its fruits which are used as vegetable. E.

Luffa cylindrica (L.) M. Roem. Syn. Monog. 2 : 63. 1846. *Momordica cylindrica* L. Sp. Pl. 1009. 1753. *Luffa aegyptiaca* Mill. Gard. Dict. ed. 8. 1768; Clarke in Hook. f. Fl. Brit. India 2 : 614. 1879; Gamble, Fl. Pres. Madras 1 : 376. 1957 (repr. ed.). *L. pentandra* Roxb. Fl. Ind. 3 : 712. 1832; Wight, Ic. t. 499. 1841.

Tamil: *Mozhukupirkankai*.

A climber, cultivated and run wild. The fruits used as vegetable. E.

Momordica charantia L. Sp. Pl. 1009. 1753, var. *charantia*; Wight, Ic. t. 504.

1841; Clarke in Hook. f. Fl. Brit. India 2 : 616. 1879; Gamble, Fl. Pres. Madras 1 : 375. 1957 (repr. ed.).

Tamil: *Pavakai*.

A slender twining annual herb with yellow flowers, in all plains, mostly cultivated and often run wild; fruits used as vegetable. E.

Momordica charantia L. var. *muricata* (Willd.) Chakravarty in Fas. Fl. India 11 : 92. 1982. *M. muricata* Willd. Sp. Pl. 4 : 602. 1805.

Hairy, creeping herbs, leaves faintly nerved. Fruits small, tapering at both ends.

Cultivated for its fruits and often run wild.

Momordica cochinchinensis (Lour.) Spreng. Syst. Veg. 3 : 14. 1826; Clarke in Hook. f. Fl. Brit. India 2 : 618. 1879; Gamble, Fl. Pres. Madras 1 : 376. 1957 (repr. ed.). *Muricia cochinchinensis* Lour. Fl. Cochinch. 2 : 596. 1790.

A handsome large climber; flowers creamy white, tinged with yellow.

Distrib.: Chengalpatru (Chakravarty 1959). E.

Momordica cymbalaria Hook. f. in Oliver, Fl. Trop. Africa 2 : 540. 1871; Clarke in Hook. f. Fl. Brit. India 2 : 618. 1879. *M. tuberosa* (Roxb.) Cogn. in DC. Monog. Phan. 3 : 454. 1881, non Dennst. 1818; Gamble, Fl. Pres. Madras 1 : 376. 1957 (repr. ed.). *Luffa tuberosa* Roxb. Fl. Ind. 3 : 717. 1832.

A trailing herb, on black cotton soil; petals white, tinged with yellow.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli. E.

Momordica dioica Roxb. ex Willd. Sp. Pl. 4 : 605. 1805; Clarke in Hook. f. Fl. Brit. India 2 : 617. 1879; Gamble, Fl. Pres. Madras 1 : 375. 1957 (repr. ed.).

Tamil: *Palupalagakahungai*, *Paluppakai*, *Tholoopavai*.

A perennial climber with yellow flowers.

Distrib.: Almost all districts. E.

Makia leiosperma (Wight & Arn.) Wight in Ann. Mag. Nat. Hist. ser. 8 : 208. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 623. 1879. *Bryonia leiosperma* Wight & Arn. Prodr. 1 : 345. 1834. *Melothria leiosperma* (Wight & Arn.) Cogn. in DC. Monog. Phan. 3 : 622. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 191. 1932; Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.).

A small, hispid climber.

Distrib.: In most of the districts.

Mukia maderaspatana (L.) M. Roem. Syn. Monog. 247. 1846. *Cucumis maderaspatanus* L. Sp. Pl. 1012. 1753. *Mukia scabrella* (L.) Arn. in J. Bot. (Hooker) 3 : 276. 1841; Clarke in Hook. f. Fl. Brit. India 2 : 623. 1879 excl. syn. *Melothria maderaspatana* (L.) Cogn. in DC. Monog. Phan. 3 : 623. 1881; Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.). *Bryonia scabrella* L.f. Suppl. Pl. 424. 1781; Wight, Ic. t. 501. 1841.

Tamil: *Musumusukkai*.

A scabrous climber with small yellow flowers.

Distrib.: Almost all districts. E.

Secchium edule (Jacq.) Sw. Fl. Ind. Occ. 2 : 1150. 1800. *Sicyos edulis* Jacq. Enum. Pl. Carib. 32. 1760.

Tamil: *Seema - Kathirikkai*, *Merakai*.

A large climber, cultivated for its fruits which are used as vegetable.

Solena amplexicaulis (Lam.) Gandhi in Saldanha & Nicolson, Fl. Hassan Dist. 179. 1976. *Bryonia amplexicaulis* Lam. Encycl. 1 : 496. 1785. *Solena heterophylla* Lour. Fl. Cochinch. 514. 1790. *Zehneria umbellata* Thw. Enum. Pl. Zeyl. 125. 1859; Clarke in Hook. f. Fl. Brit. India 2 : 625. 1879 p.p. *Melothria heterophylla* (Lour.) Cogn. in DC. Monog. Phan. 3 : 618. 1881; Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.).

Tamil: *Pulivanji*.

A climber; flowers small, yellowish white.

Distrib.: In most of the districts. E.

Solena angulata (Chakravarty) Babu, Herb. Fl. Dehra Dun 203. 1977. *Melothria angulata* Chakravarty in J. Bombay Nat. Hist. Soc. 50 : 899. t. 213. 1952.

Stems scandent; fruits angular, used as vegetable.

Distrib.: Madurai (CAL). E. R.

Trichosanthes anamalaiensis Bedd. in Madras J. Lit. Sci. ser. 3.1 : 47. 1864 & in Trans. Linn. Soc. London 25 : 217. 1865; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.), "*anamalayana*".

A large climber.

Distrib.: Coimbatore (Gamble 1957), Madurai.

Trichosanthes cucumerina L. Sp. Pl. 1008. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 609. 1879; Gamble, Fl. Pres. Madras 1 : 373. 1957 (repr. ed.). *T. anguina* L. Sp. Pl. 1008. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 610. 1879; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.).

Tamil: *Pudal*, *Kattuppeyppudal*, *Peyppudal*.

A slender annual climber with small flowers, cultivated for its fruits. E.

Trichosanthes lobata Roxb. Fl. Ind. 3 : 703. 1832; Clarke in Hook. f. Fl. Brit. India 2 : 610. 1879; Gamble, Fl. Pres. Madras 1 : 373. 1957 (repr. ed.). *T. perrottetiana* Cogn. in DC. Monog. Phan. 3 : 362. 1881; Gamble, Fl. Pres. Madras 1 : 373. 1957 (repr. ed.). *T. villosula* Cogn. in DC. Monog. Phan. 3 : 362. 1881; Fyson, Fl. South Indian Hill St. 2 : t. 189. 1932; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.). *T. villosula* Cogn. var. *nilgirensis* Kundu in J. Bombay Nat. Hist. Soc. 43 : 375. 1943.

A climber, growing among bushes and hedges.

Distrib.: Chengalpattu (Chakravarty 1959), Coimbatore (CAL), Madurai (CAL), Nilgiri (CAL), Tirunelveli (CAL).

Trichosanthes nervifolia L. Sp. Pl. 1008. 1753; Clarke in Hook. f. Fl. Brit.

India 2 : 609. 1879; Gamble, Fl. Pres. Madras 1 : 373. 1957 (repr. ed.).

Tamil: *Kombuppudalai*.

A slender twining herb at low levels.

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

Trichosanthes tricuspidata Lour. Fl. Cochinch. 589. 1790, var. *tricuspidata*. *T. bracteata* (Lam.) Voigt, Hort. Sub. Calc. 58. 1845. *Modecca bracteata* Lam. Encycl. 4 : 210. 1797. *Trichosanthes palmata* Roxb. Fl. Ind. 3 : 704. 1832; Wight, Ill. 2 : 104. 1850; Clarke in Hook. f. Fl. Brit. India 2 : 606. 1879; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.). *T. lepiniana* (Naud.) Cogn. in DC. Monog. Phan. 3 : 377. 1881; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.). *Involucraria lepiniana* Naud. in Huber, Cat. 11. 1868.

Tamil: *Ankorattai*, *Korattai*, *Shavari-palam*.

A large climber.

Distrib.: In most of the districts. E.

Trichosanthes tricuspidata Lour. var. *tomentosa* (Heyne ex Clarke) Kumari comb. nov. *T. palmata* Roxb. var. *tomentosa* Heyne ex Clarke in Hook. f. Fl. Brit. India 2 : 607. 1879; Gamble, Fl. Pres. Madras 1 : 374. 1957 (repr. ed.).

A climber.

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

Zehneria maysorensis (Wight & Arn.) Arn. in J. Bot. (Hooker) 3 : 275. 1841, var. *maysorensis*. *Bryonia maysorensis* Wight & Arn. Prodr. 345. 1834; Wight, Ic. t. 1609. 1850. *Melothria mucronata* sensu Chakravarty Monog. Indian Cucurb. 148. 1959, non (Blume) Cogn. 1881. *M. perpusilla* var. *subtruncata* Cogn. in DC. Monog. 3 : 606. 1881; Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.). *M. perpusilla* sensu Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.), non (Blume) Cogn. 1881.

A monoecious slender climber.

Distrib.: In most of the districts.

Zehneria maysorensis (Wight & Arn.) Arn. var. *umbellata* (Chakravarty) Kumari comb. nov. *Melothria mucronata* var. *umbellata* Chakravarty, Monog. Indian Cucurb. 150. 1959.

A climber.

Distrib.: Madurai (CAL). R.

Zehneria scabra (L.f.) Sond. in Harv. & Sond. Fl. Cap. 2 : 486. 1862. *Bryonia scabra* L.f. Suppl. Pl. 423. 1781. *Zehneria hookeriana* Arn. in J. Bot. (Hooker) 3 : 275. 1841; Clarke in Hook. f. Fl. Brit. India 2 : 624. 1879. *Melothria perpusilla* sensu Chakravarty, Monog. Indian Cucurb. 146. 1959 p.p. *M. mucronata* sensu Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.), non (Blume) Cogn. 1881.

A dioecious slender climber with greenish yellow flowers.

Distrib.: In most of the districts. E.

Zehneria thwaitesii (Schweinf.) Jeffrey in Kew Bull. 15 : 371. 1962. *Melothria thwaitesii* Schweinf. Reliqu. Kotschy 44. t. 29. 1868. *M. zeylanica* Clarke in Hook. f. Fl. Brit. India 2 : 626. 1879; Gamble, Fl. Pres. Madras 1 : 380. 1957 (repr. ed.).

A slender climber.

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

BEGONIACEAE

K. RAMAMURTHY

Begonia albo-coccinea Hook. in Bot. Mag. t. 4172. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 654. 1879; Gamble, Fl. Pres. Madras 1 : 385. 1957 (repr. ed.). *B. grahamiana* Wight, Ic. t. 1811. 1848.

A succulent herb, in hills.

Distrib.: Tirunelveli.

Begonia aliciae Fischer in Kew Bull. 1939 : 247. 1939.

A scapigerous fleshy herb with numerous fibrous rootlets.

Distrib.: Nilgiri. O.

Begonia anamalayana Bedd. in Trans. Linn. Soc. London 25 : 217. 1865; Gamble, Fl. Pres. Madras 1 : 386. 1957 (repr. ed.).

A scapigerous herb, in moist forests.

Distrib.: Coimbatore. O.

Begonia cordifolia (Wight) Thw. Enum. Pl. Zeyl. 129. 1859; Clarke in Hook. f. Fl. Brit. India 2 : 641. 1879; Gamble, Fl. Pres. Madras 1 : 385. 1957 (repr. ed.). *Diploclinium cordifolium* Wight, Ic. t. 1816. 1852.

A scapigerous herb common in hilly regions.

Distrib.: Tirunelveli (HIFP, FRC).

Begonia floccifera Bedd. Ic. t. 11. 1868-1874; Clarke in Hook. f. Fl. Brit. India 2 : 654. 1879; Gamble, Fl. Pres. Madras 1 : 386. 1957 (repr. ed.).

A large herb with woolly leaves in hilly regions.

Distrib.: Kanniyakumari, Tirunelveli.

Begonia integrifolia Datz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 230. 1851; Clarke in Hook. f. Fl. Brit. India 2 : 648. 1879; Gamble, Fl. Pres. Madras 1 : 385. 1957 (repr. ed.).

A succulent herb with short stem.

Distrib.: Nilgiri.

Begonia malabarica Lam. Encycl. 1 : 393. 1785; Clarke in Hook. f. Fl. Brit. India 2 : 655. 1879; Gamble, Fl. Pres. Madras 1 : 386. 1957 (repr. ed.). *B. fallax* A. DC. Prodr. 15(1) : 329. 1864; Clarke in Hook. f. Fl. Brit. India 2 : 643. 1879. *Diploclinium lindleyanum* Wight, Ic. t. 1817. 1852.

A large shrub, common in moist forests.

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

Begonia subpeltata Wight, Ic. t. 1812. 1852; Clarke in Hook. f. Fl. Brit. India

2 : 653. 1879; Gamble, Fl. Pres. Madras 1 : 386. 1957 (repr. ed.).

A slender herb with membranous leaves.

Distrib.: Salem (Matthew 1981), Tirunelveli, R.

DATISCACEAE

K. RAMAMURTHY

Tetrameles nudiflora R. Br. in Benn. Pl. Jay. Rar. 79. t. 17. 1838; Hook. f. Fl. Brit. India 2 : 627. 1879; Gamble, Fl. Pres. Madras 1 : 384. 1957 (repr. ed.). *T. graminea* Wight, Ic. t. 1956. 1853.

Tamil: *Chinni*.

A large buttressed deciduous tree.

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

CACTACEAE

K. RAMAMURTHY

Acanthocereus tetragonus (L.) Humik. in Succ. 20 : 11. 165. 1938. *Cactus tetragonus* L. Sp. Pl. 466. 1753.

An alien succulent with yellow flowers, introduced as a hedge plant.

Cylindropuntia ramosissima (Engler) Knuth in Kaktus ABC. 122. 1935. *Opuntia ramosissima* Engler in Amer. J. Sci. ser. 2. 14 : 339. 1852.

An alien spiny succulent shrub with yellowish flowers, introduced in gardens.

Hylocereus undatus (Haw.) Britton & Rose. in Britton Fl. Bermuda 256. 1918. *Cereus undatus* Haw. in Philos. Mag. 7 : 110. 1830.

An alien epiphytic climbing succulent introduced in gardens.

Nopalea cochenillifera (L.) Salm - Dyck Cact. Hort. Dyck, ed. 2 : 64. 1850. *Cactus cochenillifer* L. Sp. Pl. 468. 1753. *Opuntia cochinellifera* Mill. Gard. Dict. ed. 8. n. 6. 1768. Gamble, Fl. Pres. Madras 1 : 387. 1957 (repr. ed.), "*cocchinellifera*".

Tamil: *Puchikalli*.

An alien succulent, acclimatized in dry areas.

Opuntia dillenii (Ker-Gawl.) Haw. Suppl. Pl. Succ. 79. 1819; Clarke in Hook. f. Fl. Brit. India 2 : 657. 1879; Gamble, Fl. Pres. Madras 1 : 387. 1957 (repr. ed.). *Cactus dillenii* Ker-Gawl. in Bot. Reg. 3 : t. 255. 1818.

Tamil: *Sappathikkalli*.

An alien succulent, well acclimatized. E.

Opuntia elatior Mill. Gard. Dict. ed. 8. n. 4. 1768; Gamble, Fl. Pres. Madras 1 : 387. 1957 (repr. ed.).

An introduced succulent with rose flowers. E.

Opuntia vulgaris Mill. Gard. Dict. ed. 8. n. 1. 1768. *O. monacantha* (Willd.) Haw. Suppl. Pl. Succ. 81. 1819; Gamble, Fl. Pres. Madras 1 : 387. 1957 (repr. ed.). *Cactus monacanthos* Willd. Enum. Pl. Suppl. 33. 1814.

An alien succulent with its single straight thorns, well spread. E.

AIZOACEAE

E. VAJRAVELU

Sesuvium portulacastrum (L.) L. Syst. Nat. ed. 10. 1058. 1759; Clarke in Hook. f. Fl. Brit. India 2 : 659. 1879; Gamble, Fl. Pres. Madras 1 : 388. 1957 (repr. ed.). *Portulaca portulacastrum* L. Sp. Pl. 446. 1753.

A prostrate herb in sandy places, rooting at nodes.

Distrib.: Chengalpattu, Dharmapuri, Ramanathapuram, Salem (Matthew 1981), South Arcot, Tiruchchirappalli.

Trianthema decandra L. Mant. Pl. 70. 1767; Wight, Ic. t. 296. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 661. 1879; Gamble, Fl. Pres. Madras 1 : 389. 1957 (repr. ed.).

A prostrate herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Madurai, Nilgiri, North Arcot, Ramanathapuram, Tirunelveli (UCT); Salem, South Arcot and Tiruchchirappalli (Matthew 1981).

Trianthema portulacastrum L. Sp. Pl. 223. 1753; Gamble, Fl. Pres. Madras 1 : 389. 1957 (repr. ed.). *T. monogyna* L. Mant. Pl. 69. 1767; Wight, Ic. t. 288. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 660. 1879.

A prostrate, somewhat succulent herb.

Distrib.: Almost all districts.

Trianthema triquetra Rottl. ex Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4 : 181. 1803, var. **triquetra**; Gamble, Fl. Pres. Madras 1 : 389. 1957 (repr. ed.). *T. crystallina* auct. non Vahl 1790; Clarke in Hook. f. Fl. Brit. India 2 : 660. 1879.

A diffuse, much-branched herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, Salem (Matthew 1981), South Arcot, Tiruchchirappalli, Tirunelveli.

Trianthema triquetra Rottl. ex Willd. var. **oblongifolia** Gamble, Fl. Pres. Madras 551. 1919 & 1 : 389. 1957 (repr. ed.).

A diffuse herb.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli.

MOLLUGINACEAE

E. VAJRAVELU

Corbichonia decumbens (Forsk.) Exell in J. Bot. 73 : 80. 1935. *Orygia decumbens* Forsk. Fl. Aeg.-Arab. 103. 1775; Clarke in Hook. f. Fl. Brit. India 2 : 661. 1879; Gamble, Fl. Pres. Madras 1 : 389. 1957 (repr. ed.).

A decumbent herb.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, South Arcot (Matthew 1981), Tiruchchirappalli (RHT).

Gisekia pharnaceoides L. Mant. Pl. 562. 1771; Wight, Ic. t. 1167. 1848; Clarke in Hook. f. Fl. Brit. India 2 : 664. 1879; Gamble, Fl. Pres. Madras 1 : 391. 1957 (repr. ed.).

Tamil: *Manalkeera*.

A prostrate slender herb.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Kanniyakumari, Madurai, Pudukkottai (RHT), South Arcot, Tiruchchirappalli (RHT); Salem (Matthew 1981). E.

Glinus lotoides L. Sp. Pl. 463. 1753. *Mollugo lotoides* (L.) Kuntze, Rev. Gen. Pl. 214. 1891; Gamble, Fl. Pres. Madras 1 : 390. 1957 (repr. ed.). *M. hirta* Thunb. Prodr. Fl. Cap. 24. 1794; Clarke in Hook. f. Fl. Brit. India 2 : 662. 1879.

A stellately tomentose procumbent herb.

Distrib.: In most of the districts.

Glinus oppositifolius (L.) A. DC. in Bull. Herb. Boissier ser. 2. 1 : 552. 1901. *Mollugo oppositifolia* L. Sp. Pl. 89. 1753; Gamble, Fl. Pres. Madras 1 : 390. 1957 (repr. ed.). *M. spargula* L. Syst. Nat. ed. 10. 881. 1759; Clarke in Hook. f. Fl. Brit. India 2 : 662. 1879.

A prostrate diffuse herb.

Distrib.: Almost all districts.

Mollugo cerviana (L.) Ser. in DC. Prodr. 1 : 392. 1824; Clarke in Hook. f. Fl. Brit. India 2 : 663. 1879; Gamble, Fl. Pres. Madras 1 : 390. 1957 (repr. ed.). *Pharnaceum cerviana* L. Sp. Pl. 272. 1753.

An erect annual slender herb with filiform stems in sandy places.

Distrib.: In most of the districts.

Mollugo disticha Ser. in DC. Prodr. 1 : 392. 1824; Wight, Ic. t. 3. 1838; Clarke in Hook. f. Fl. Brit. India 2 : 663. 1879; Gamble, Fl. Pres. Madras 1 : 391. 1957 (repr. ed.).

A stout erect herb in sandy places.

Distrib.: Dharmapuri (Matthew 1981), Kanniyakumari, Pudukkottai (RHT), Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli.

Mollugo nudicaulis Lam. Encycl. 4 : 234. 1797; Clarke in Hook. f. Fl. Brit. India 2 : 664. 1879; Gamble, Fl. Pres. Madras 1 : 390. 1957 (repr. ed.).

A herb with rosette leaves and slender erect inflorescence.

Distrib.: In most of the districts.

Mollugo pentaphylla L. Sp. Pl. 89. 1753; Gamble, Fl. Pres. Madras 1 : 390. 1957 (repr. ed.). *M. stricta* sensu Clarke in Hook. f. Fl. Brit. India 2 : 663. 1879 p.p., non L. 1762.

Tamil: *Parpadakam*.

A slender herb in waste places.

Distrib.: In most of the districts.

Mollugo stricta L. Sp. Pl. ed. 2. 131. 1762; Clarke in Hook. f. Fl. Brit. India 2 : 663. 1879 p.p.

A slender herb.

Distrib.: In most of the districts.

UMBELLIFERAE

(nom. alter. APIACEAE)

M. CHANDRABOSE

Anethum graveolens L. Sp. Pl. 263. 1753. *A. sowa* Roxb. ex DC. Prodr. 4 : 186. 1830; Wight, Ic. t. 572. 1842; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.). *Peucedanum graveolens* (L.) Hiern in Oliver, Fl. Trop. Africa 3 : 19. 1871; Clarke in Hook. f. Fl. Brit. India 2 : 709. 1879.

Tamil: *Satakuppai*.

An annual herb, occasionally cultivated in gardens. E.

Apium graveolens L. Sp. Pl. 264. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 679. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

An erect herb, occasionally cultivated in gardens. E.

Bupleurum distichophyllum Wight & Arn. Prodr. 370. 1834; Wight, Ic. t. 1006. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 677. 1879; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.).

An erect slender herb in the hills at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Bupleurum plantaginifolium Wight, Ic. t. 281. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 674. 1879; Gamble, Fl. Pres. Madras 1 : 393. 1957 (repr. ed.).

An erect shrub in shola forests.

Distrib.: Nilgiri. R.

Bupleurum virgatum Wight & Arn. Prodr. 370. 1834; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.). *B. mucronatum* Wight & Arn. var. *virgatum* (Wight & Arn.) Clarke in Hook. f. Fl. Brit. India 2 : 676. 1879.

A tall erect herb in the hills, especially in the grasslands.

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

Bupleurum wightii Mukh. in Indian Forester 95 : 567. 1969, var. *wightii*. *B. mucronatum* Wight & Arn. Prodr. 370. 1834, non Brouss. ex Spreng. 1820; Clarke in Hook. f. Fl. Brit. India 2 : 676. 1879 p.p.; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.).

An erect herb among bushes in the hills at high altitudes.

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

Bupleurum wightii Mukh. var. *ramosissimum* (Wight & Arn.) Chandrabose comb. nov. *B. ramosissimum* Wight & Arn. Prodr. 370. 1834; Wight, Ic. t. 1007. 1845. *B. mucronatum* Wight & Arn. var. *ramosissimum* (Wight & Arn.) Clarke in Hook. f. Fl. Brit. India 2 : 676. 1879; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.).

A low bushy herb in the hills at high altitudes.

Distrib.: Madurai, Nilgiri, Salem.

Carum nothum Clarke in Hook. f. Fl. Brit. India 2 : 681. 1879; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.).

A bulbous-rooted herb in the hills at high altitudes.

Distrib.: Nilgiri.

Centella asiatica (L.) Urban in Mart. Fl. Bras. 11 : 287. t. 78. f. 1. 1879; Gamble, Fl. Pres. Madras 1 : 392. 1957 (repr. ed.). *Hydrocotyle asiatica* L. Sp. Pl. 234. 1753; Wight, Ic. t. 565. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 669. 1879.

Tamil: *Vallarai*.

A prostrate herb in waste places.

Distrib.: All districts. **E.**

Coriandrum sativum L. Sp. Pl. 256. 1753; Wight, Ic. t. 516. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 717. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

Tamil: *Kothamalli*.

A small erect herb, often cultivated. **E.**

Cuminum cyminum L. Sp. Pl. 254. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 718. 1879.

Tamil: *Shiragam*.

An erect divaricately branched herb, occasionally cultivated. **E.**

Daucus carota L. Sp. Pl. 242. 1753; Wight, Ill. 2 : t. 117. f. 7. 1850; Clarke in Hook. f. Fl. Brit. India 2 : 718. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

Tamil: *Karattu*.

A herb with fusiform main root, cultivated. **E.**

Foeniculum vulgare Mill. Gard. Dict. ed. 8. 1768; Wight, Ic. t. 515. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 695. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

Tamil: *Shombu, Sohikirai*.

A tall herb, occasionally cultivated. **E.**

Heracleum aquilegifolium Clarke in Hook. f. Fl. Brit. India 2 : 715. 1879; Gamble, Fl. Pres. Madras 1 : 398. 1957 (repr. ed.).

An erect herb.

Distrib.: Coimbatore (Gamble 1957).

Heracleum candolleianum (Wight & Arn.) Gamble, Fl. Pres. Madras 565. 1919 & 1 : 399. 1957 (repr. ed.). *Pastinaca candolleiana* Wight & Arn. Prodr. 372. 1834. *Heracleum rigens* Wall. ex DC. var. *candolleiana* (Wight & Arn.) Clarke in Hook. f. Fl. Brit. India 2 : 715. 1879 p.p.

A large leafy plant in the hills.

Distrib.: Coimbatore (Gamble 1957), Kanniyakumari, Madurai and Nilgiri (Gamble 1957).

Heracleum ceylanicum Gard. ex Clarke in Hook. f. Fl. Brit. India 2 : 716. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

A tall handsome herb at high altitudes.

Distrib.: Madurai (HIFP & PCM). **R.**

Heracleum courtallense Gamble, Fl. Pres. Madras 565. 1919 & 1 : 399. 1957 (repr. ed.). *H. rigens* Wall. ex DC. var. *candolleiana* (Wight & Arn.) Clarke in Hook. f. Fl. Brit. India 2 : 715. 1879 p.p. *Pastinaca ligusticifolia* Wight & Arn. Prodr. 372. 1834, non *Heracleum ligusticifolium* Bieb. 1808; Wight, Ill. 2 : t. 116. 1850.

A tall herb.

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

Heracleum hookerianum Wight & Arn. Prodr. 373. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 715. 1879; Gamble, Fl. Pres. Madras 1 : 398. 1957 (repr. ed.). *Pastinaca hookeriana* (Wight & Arn.) Wight, Ic. t. 1010. 1845.

An erect herb in the grassy slopes of the hills at high altitudes.

Distrib.: Nilgiri. **O, R.**

Heracleum rigens Wall. ex DC. Prodr. 4 : 191. 1830, var. *rigens*; Clarke in Hook. f. Fl. Brit. India 2 : 715. 1879; Gamble, Fl. Pres. Madras 1 : 398. 1957 (repr. ed.). *Pastinaca rigens* (Wall. ex DC.) Wight, Ic. t. 1009. 1845.

A tall erect herb in the grassy slopes of the hills at high altitudes.

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

Heracleum rigens Wall. ex DC. var. **elongatum** Gamble, Fl. Pres. Madras 565. 1919 & 1 : 399. 1957 (repr. ed.).

A slender erect herb.

Distrib.: Madurai (CAL), R.

Heracleum rigens Wall. ex DC. var. **multiradiatum** Gamble, Fl. Pres. Madras 565. 1919 & 1 : 398. 1957 (repr. ed.).

A large erect herb at low levels in the hills.

Distrib.: Madurai (Gamble 1957), Nilgiri.

Heracleum sprengelianum Wight & Arn. Prodr. 372. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 716. 1879; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.). **Pastinaca sprengeliana** (Wight & Arn.) Wight, Ic. t. 1008. 1845.

A large erect herb in the open grasslands at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram.

Hydrocotyle conferta Wight, Ic. t. 1002. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 668. 1879; Gamble, Fl. Pres. Madras 1 : 392. 1957 (repr. ed.).

A prostrate herb in wet places at high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Hydrocotyle javanica Thunb. Diss. Hydroc. n. 17. t. 2. 1798; Clarke in Hook. f. Fl. Brit. India 2 : 667. 1879; Gamble, Fl. Pres. Madras 1 : 392. 1957 (repr. ed.). **H. polycephala** Wight & Arn. Prodr. 366. 1834; Wight, Ic. t. 1003. 1845.

A prostrate herb in shady places on the hills.

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

Hydrocotyle sibthorpioides Lam. Encycl. 3 : 153. 1789. **H. rotundifolia** Roxb. ex DC. Prodr. 4 : 64. 1830; Wight, Ic. t. 564. 1842; Clarke in Hook. f. Fl. Brit. India 2 : 668. 1879; Gamble, Fl. Pres. Madras 1 : 392. 1957 (repr. ed.).

A prostrate herb in high altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri. E.

Pastinaca sativa L. Sp. Pl. 262. 1753. **Peucedanum sativum** (L.) Benth. & Hook. f. Gen. Pl. 1 : 920. 1867; Gamble, Fl. Pres. Madras 1 : 397. 1957 (repr. ed.).

An erect herb, occasionally cultivated in gardens. E.

Petroselinum crispum (Mill.) Nyman ex auct. anon. in Hand-list Herb. Pl. Kew ed. 3. 122. 1925. **Apium crispum** Mill. Gard. Dict. ed. 8. n. 2. 1768. **Carum petroselinum** (L.) Benth. & Hook. f. Gen. Pl. 1 : 891. 1867; Gamble, Fl. Pres. Madras 1 : 394. 1957 (repr. ed.). **Apium petroselinum** L. Sp. Pl. 264. 1753.

A small herb, occasionally cultivated in gardens. E.

Peucedanum anamallayense Clarke in Hook. f. Fl. Brit. India 2 : 710. 1879; Fischer in Rec. Bot. Surv. India 9 : 89. 1921, "*anamallayanum*".

A tall perennial herb.

Distrib.: Coimbatore (Gamble 1957), Madurai (Fischer 1921). O. R.

Pimpinella candolleana Wight & Arn. Prodr. 369. 1834; Wight, Ic. t. 341. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 687. 1879; Gamble, Fl. Pres. Madras 1 : 395. 1957 (repr. ed.).

An erect tawny pubescent herb in grassy slopes at high altitudes.

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

Pimpinella heyneana (Wall. ex DC.) Kurz in J. Asiat. Soc. Bengal 46 : 115. 1877; Clarke in Hook. f. Fl. Brit. India 2 : 684. 1879; Gamble, Fl. Pres. Madras 1 : 395. 1957 (repr. ed.). **Helosciadium**

heyneanum Wall. ex DC. Prodr. 4 : 106. 1830.

An erect annual herb in the hills.

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

Pimpinella leschenaultii DC. Prodr. 4 : 122. 1830; Wight, Ic. t. 1005. 1845; Clarke in Hook. f. Fl. Brit. India 2 : 687. 1879; Gamble, Fl. Pres. Madras 1 : 395. 1957 (repr. ed.).

An erect herb in the grasslands of the hills.

Distrib.: Coimbatore (FRC), Madurai (UCT & FRC), Nilgiri. R.

Pimpinella pulneyensis Gamble in Kew Bull. 1919 : 228. 1919; Fyson, Fl. South Indian Hill St. 2 : t. 201. 1932; Gamble, Fl. Pres. Madras 1 : 395. 1957 (repr. ed.).

A tall herb in the shola forests, especially in moist places.

Distrib.: Madurai. O. R.

Pimpinella wallichiana (Miq.) Gandhi in Saldanha & Nicolson, Fl. Hassan Dist. 417. 1976. *Helosciadium wallichianum* Miq. in Bot. Zeitung (Berlin) 7 : 775. 1849. *Pimpinella monoica* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3 : 212. 1851; Clarke in Hook. f. Fl. Brit. India 2 : 687. 1879; Gamble, Fl. Pres. Madras 1 : 395. 1957 (repr. ed.).

A tall erect herb in the low hills.

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

Sanicula elata Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 183. 1825; Wight, Ic. t. 334. 1840. *S. europaea* auct. non L. 1753; Clarke in Hook. f. Fl. Brit. India 2 : 670. 1879; Fyson, Fl. South Indian Hill St. 2 : t. 196. 1932; Gamble, Fl. Pres. Madras 1 : 393. 1957 (repr. ed.).

An erect perennial herb in sholas.

Distrib.: Madurai, Nilgiri.

Seseli diffusum (Roxb. ex Smith) Sant. & Wagh in Bull. Bot. Surv. India

5 : 108. 1963. *Ligusticum diffusum* Roxb. ex Smith in Rees, Cyclop. 21 : 11. 1812. *Seseli indicum* Wight & Arn. Prodr. 371. 1834; Clarke in Hook. f. Fl. Brit. India 2 : 693. 1879; Gamble, Fl. Pres. Madras 1 : 396. 1957 (repr. ed.). *Cnidium diffusum* (Roxb. ex Smith) DC. Prodr. 4 : 153. 1830; Wight, Ic. t. 569. 1842.

A diffuse annual herb.

Distrib.: "Plains Districts of the Carnatic" (Gamble 1957).

Trachyspermum ammi (L.) Sprague in Kew Bull. 1929 : 228. 1929. *Sison ammi* L. Sp. Pl. 252. 1753. *Carum copticum* Benth. ex Hiern in Oliver, Fl. Trop. Africa 3 : 12. 1871; Clarke in Hook. f. Fl. Brit. India 2 : 682. 1879.

Tamil: *Omum*.

An erect herb, occasionally cultivated. E.

Trachyspermum roxburghianum (DC.) Craib, Fl. Siam. Enum. 1 : 788. 1931. *Ptychotis roxburghiana* DC. Prodr. 4 : 109. 1830. *Carum roxburghianum* (DC.) Benth. & Hook. f. ex Kurz in J. Asiat. Soc. Bengal 40 : 114. 1877; Clarke in Hook. f. Fl. Brit. India 2 : 682. 1879.

Tamil: *Ashamtagam*.

An erect herb.

Distrib.: Coimbatore. E.

Vanasushava pedata (Wight) Mukh. & Constance in Kew Bull. 29 : 595. 1974. *Heracleum pedatum* Wight, Ic. t. 342. 1840; Clarke in Hook. f. Fl. Brit. India 2 : 716. 1879; Fyson, Fl. South Indian Hill St. 2 : t. 205. 1932; Gamble, Fl. Pres. Madras 1 : 399. 1957 (repr. ed.).

A trailing herb in the undergrowth of shola forests.

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

ARALIACEAE

R. RAJAN

Aralia malabarica Bedd. Fl. Sylv. t. 15. 1871; Clarke in Hook. f. Fl. Brit. India 2 : 722. 1879; Gamble, Fl. Pres. Madras 1 : 400. 1957 (repr. ed.).

A large shrub or small tree, nearly glabrous with scattered weak prickles and bristles.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Hedera australiana F.v. Muell. *Fragm. Phyt. Austr.* 4 : 120. 1865.

A small tree, quite glabrous, cultivated.

Hedera helix L. *Sp. Pl.* 202. 1753.

An extensive climber with dimorphic leaves, cultivated in gardens.

Panax fruticosus L. *Sp. Pl. ed. 2.* 1513. 1763; Wight, *Ic. t.* 573. 1842. *Nothopanax fruticosus* (L.) Miq. *Fl. Ind. Bat.* 1 (1) : 765. 1856; Gamble, *Fl. Pres. Madras* 1 : 403. 1957 (repr. ed.).

An evergreen shrub, usually grown in gardens.

Pentapanax leschenaultii (DC.) Seem. in *J. Bot.* 2 : 296. 1864; Clarke in *Hook. f. Fl. Brit. India* 2 : 724. 1879; Gamble, *Fl. Pres. Madras* 1 : 401. 1957 (repr. ed.). *Panax leschenaultii* DC. *Prodr.* 4 : 254. 1830. *Hedera trifoliata* Wight & Arn. *Prodr.* 377. 1834; Wight, *Ic. t.* 307. 1840.

A tree or scandent shrub, sometimes growing epiphytically on other trees.

Distrib.: Nilgiri.

Polyscias acuminata (Wight) Seem. in *J. Bot.* 3 : 181. 1865; Clarke in *Hook. f. Fl. Brit. India* 2 : 727. 1879; Gamble, *Fl. Pres. Madras* 1 : 401. 1957 (repr. ed.). *Hedera acuminata* Wight, *Ic. t.* 1062. 1846.

A glabrous tree; leaves with many oblong lanceolate, long acuminate leaflets.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Schefflera capitata (Wight & Arn.) Harms in *Engler & Prantl, Pflanzenf.* 3(8) : 36. 1894; Gamble, *Fl. Pres. Madras* 1 : 403. 1957 (repr. ed.). *Paratropia capitata* Wight & Arn. *Prodr.* 378. 1834. *Brassaia capitata* (Wight & Arn.) Clarke in *Hook. f. Fl. Brit. India* 2 : 732. 1879.

A striking tree.

Distrib.: Coimbatore (Clarke 1879), Nilgiri.

Schefflera clarkiana Craib, *Fl. Siam. Enum.* 1 : 977. 1931. *Heptapleurum venulosum* Seem. var. *macrophylla* Clarke in *Hook. f. Fl. Brit. India* 2 : 730. 1879.

Semi-epiphytic tree.

Distrib.: Coimbatore, Nilgiri.

Schefflera racemosa (Wight) Harms in *Engler & Prantl, Pflanzenf.* 3(8) : 38. 1894; Gamble, *Fl. Pres. Madras* 1 : 402. 1957 (repr. ed.). *Hedera racemosa* Wight, *Ic. t.* 1015. 1845. *Heptapleurum racemosum* (Wight) Bedd. *Fl. Sylv. t.* 214. 1872; Clarke in *Hook. f. Fl. Brit. India* 2 : 729. 1879.

Tamil: *Ettileimarom*.

A large tree, wood soft, grey.

Distrib.: Coimbatore, Madurai, Nilgiri.

Schefflera rostrata (Wight) Harms in *Engler & Prantl, Pflanzenf.* 3(8) : 38. 1894, var. *rostrata*; Gamble, *Fl. Pres. Madras* 1 : 402. 1957 (repr. ed.). *Hedera rostrata* Wight, *Ic. t.* 1013 & 1014. 1845. *Heptapleurum rostratum* (Wight) Bedd. *For. Man. Bot.* 122. 1874; Clarke in *Hook. f. Fl. Brit. India* 2 : 729. 1879.

A small branched tree.

Distrib.: Coimbatore, Nilgiri.

Schefflera rostrata (Wight) Harms var. *micrantha* (Clarke) Mahesh. in *Bull. Bot. Surv. India* 2 : 376. 1960 (1961). *Heptapleurum rostratum* (Wight) Bedd. var. *micranthum* Clarke in *Hook. f. Fl. Brit. India* 2 : 729. 1879. *Schefflera micrantha* (Clarke) Gamble, *Fl. Pres. Madras* 569. 1919 & 1 : 402. 1957 (repr. ed.).

A tree; leaflets about 6, lanceolate or oblong-lanceolate.

Distrib.: Tirunelveli, Nilgiri.

Schefflera roxburghii Gamble, *Fl. Pres. Madras* 570. 1919 & 1 : 402. 1957 (repr. ed.). *Heptapleurum venulosum* sensu Clarke in *Hook. f. Fl. Brit. India* 2 : 729. 1879 p.p., non Seem. 1885.

A large straggling or climbing shrub.

Distrib.: Nilgiri.

Schefflera stellata (Gaertn.) Harms in Engler & Prantl, *Pflanzenf.* 3(8) : 39. 1894; Gamble, *Fl. Pres. Madras* 1 : 402. 1957 (repr. ed.). *Heptapleurum stellatum* Gaertn. *Fruct.* 2 : 472. t. 178. 1791; Clarke in Hook. f. *Fl. Brit. India* 2 : 730. 1879. *Hedera obovata* Wight, *Ic. tt.* 1011 & 1012. 1845.

A large straggling or climbing shrub.

Distrib.: Almost all districts.

Schefflera venulosa (Wight & Arn.) Harms in Engler & Prantl, *Pflanzenf.* 3(8) : 39. 1894, var. **venulosa**; Gamble, *Fl. Pres. Madras* 1 : 403. 1957 (repr. ed.). *Paratropia venulosa* Wight & Arn. *Prodr.* 377. 1834; Wight, *Ill.* 2 : t. 118. 1850. *Heptapleurum venulosum* (Wight & Arn.) Seem. in *J. Bot.* 3 : 80. 1865; Clarke in Hook. f. *Fl. Brit. India* 2 : 729. 1879 p.p.

Tamil: *Modakama*.

A large straggling or climbing shrub; bark grey, shining.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Schefflera venulosa Harms var. **obliquinervia** Gamble, *Fl. Pres. Madras* 570. 1919 & 1 : 403. 1957 (repr. ed.).

A straggling shrub.

Distrib.: Coimbatore (Gamble 1957).

Schefflera wallichiana (Wight & Arn.) Harms in Engler & Prantl, *Pflanzenf.* 3(8) : 38. 1894; Gamble, *Fl. Pres. Madras* 1 : 403. 1957 (repr. ed.). *Paratropia wallichiana* Wight & Arn. *Prodr.* 377. 1834. *Heptapleurum wallichianum* (Wight & Arn.) Clarke in Hook. f. *Fl. Brit. India* 2 : 730. 1879.

Apparently a climbing shrub with greenish yellow flowers.

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

Tetrapanax papyrifer (Hook.) Koch in Koch & Fint, *Wochenster.* 2 : 371. 1859. *Aralia papyrifera* Hook. in Hooker's *J. Bot. Kew Gard. Misc.* 4 : 50. 1852.

An unarmed, evergreen stout shrub with yellowish white flowers, cultivated in gardens.

CORNACEAE

R. RAJAN

Cornus capitata Wall. in Roxb. *Fl. Ind.* 1 : 434. 1820.

Cultivated.

Mastixia arborea (Wight) Bedd. *Fl. Sylv.* t. 216. 1872, subsp. **arborea**; Clarke in Hook. f. *Fl. Brit. India* 2 : 745. 1879; Gamble, *Fl. Pres. Madras* 1 : 405. 1957 (repr. ed.). *Bursinopetalum arboreum* Wight, *Ic. t.* 956. 1845.

A large tree.

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

Mastixia arborea (Wight) Bedd. subsp. **meziana** (Wang.) Matthew in *Blumea* 23 : 89. 1976. *M. meziana* Wang. in *Feddes Repert.* 4 : 336. 1907. *M. pentandra* sensu Clarke in Hook. f. *Fl. Brit. India* 2 : 746. 1879, non Blume 1826; Gamble, *Fl. Pres. Madras* 1 : 405. 1957 (repr. ed.).

A tree with conspicuously bracteate inflorescence.

Distrib.: Coimbatore. R. †.

ALANGIACEAE

R. RAJAN

Alangium salvifolium (L.f.) Wang. in Engler, *Pflanzenr.* 41 : 9. 1910, subsp. **salvifolium**; Gamble, *Fl. Pres. Madras* 1 : 404. 1957 (repr. ed.). *Grewia salvifolia* L.f. *Suppl. Pl.* 409. 1781. *Alangium lamarckii* Thw. *Enum. Pl. Zeyl.* 133. 1859; Clarke in Hook. f. *Fl. Brit. India* 2 : 741. 1879. *A. decapetalum* Lam. *Encycl.* 1 : 174. 1783; Wight, *Ic. t.* 194. 1839.

Tamil: *Alangi*.

A small deciduous tree, sometimes straggling.

Distrib.: In most of the districts. E.

Alangium salvifolium (L.f.) Wang, subsp. **hexapetalum** (Lam.) Wang. in

Engler, Pflanzenr. 41 : 9. 1910; Gamble, Fl. Pres. Madras 1 : 404. 1957 (repr. ed.). *A. hexapetalum* Lam. Encycl. 1 : 175. 1783. *A. lamarekii* Thw. var. *glandulosum* (Thw.) Clarke in Hook. f. Fl. Brit. India 2 : 742. 1879. *A. glandulosum* Thw. Enum. Pl. Zeyl. 133. 1859.

A small tree or rambling shrub, armed or not.

Distrib.: Nilgiri, Tirunelveli.

CAPRIFOLIACEAE

R. RAJAN

Diervilla florida Sieb. & Zucc. Fl. Jap. 1 : 73. t. 32. 1839.

Cultivated in gardens.

Lonicera japonica Thunb. Fl. Jap. 89. 1784.

A large climber with fragrant white or purple tinged flowers, grown in gardens.

Lonicera leschenaultii Wall. in Roxb. Fl. Ind. 2 : 178. 1824; Wight, Ill. 2 : tt. 120 & 121B. 1850; Clarke in Hook. f. Fl. Brit. India 3 : 10. 1880; Gamble, Fl. Pres. Madras 1 : 407. 1957 (repr. ed.).

A climbing shrub with light brown papery bark.

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

Lonicera ligustrina Wall. in Roxb. Fl. Ind. 2 : 179. 1824; Wight, Ic. t. 1025. 1845; Clarke in Hook. f. Fl. Brit. India 3 : 12. 1880; Gamble, Fl. Pres. Madras 1 : 408. 1957 (repr. ed.).

An erect shrub with twisted stems.

Distrib.: Madurai, Nilgiri.

Lonicera sempervirens L. Sp. Pl. 173. 1753.

An evergreen, vigorous, glabrous, extensively climbing woody shrub, cultivated. E.

Viburnum coriaceum Blume, Bijdr. 656. 1826; Clarke in Hook. f. Fl. Brit. India 3 : 6. 1880; Gamble, Fl. Pres.

Madras 1 : 407. 1957 (repr. ed.). *V. hebanthum* sensu Wight, Ic. t. 1023. 1845, non Wight & Arn. 1834.

A small evergreen tree.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Viburnum erubescens Wall. ex DC. Prodr. 4 : 329. 1830; Clarke in Hook. f. Fl. Brit. India 3 : 7. 1880; Gamble, Fl. Pres. Madras 1 : 407. 1957 (repr. ed.). *V. nighianum* Wight & Arn. Prodr. 388. 1834; Wight, Ic. t. 1024. 1845.

A small tree with grey, thin bark.

Distrib.: Madurai, Nilgiri.

Viburnum hebanthum Wight & Arn. Prodr. 388. 1834; Clarke in Hook. f. Fl. Brit. India 3 : 6. 1880; Gamble, Fl. Pres. Madras 1 : 407. 1957 (repr. ed.). *V. capitellatum* sensu Wight, Ic. t. 1022. 1845, non Wight & Arn. 1834.

Tamil: *Badaga, Kadambu.*

A small tree with bright green foliage and a strong, heavy, unpleasant smell.

Distrib.: Nilgiri.

Viburnum punctatum Buch.-Ham. ex D. Don. Prodr. Fl. Nep. 142. 1825; Clarke in Hook. f. Fl. Brit. India 3 : 5. 1880. *V. acuminatum* Wall. ex DC. Prodr. 4 : 325. 1830; Wight, Ic. t. 1021. 1845; Gamble, Fl. Pres. Madras 1 : 406. 1957 (repr. ed.).

Tamil: *Konakaram.*

A small evergreen tree.

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

SAMBUCACEAE

R. RAJAN

Sambucus nigra L. Sp. Pl. 269. 1753.

A spreading shrub or small tree with creamy white flowers; cultivated in gardens as an ornamental.

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ADDENDA

- P. 5. The correct citation of authors' name for *Polyalthia coffeoides* will be "(Hook. f. & Thoms.) Benth. & Hook. f. ex Bedd. Ic. t. 53. 1868-1874".
- P. 14. *Capparis nilgiriensis* Subba Rao, Kumari & Chandr. in J. Bombay Nat. Hist. Soc. 78 : 146-148. 1981.
Scandent shrubs with irregularly spreading branches.
Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.
- P. 14. *Capparis olacifolia* Hook. f. & Thoms. : The plant was subsequently identified as *C. rheedii* DC.
- P. 14. *Capparis shevaroyensis* Sundararaghavan in Kew Bull. 37 : 72. 1982. *C. parviflora* Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 176. 1872, non Boiss. 1843.
- P. 14. *Crataeva*: Correctly spelt as *Crateva* (vide Blumea 12 : 177. 1963).
- P. 17. *Casearia elliptica* Willd. is nom. illeg. : *C. tomentosa* Roxb. appears to be the correct name.
- P. 17. *Casearia esculenta* Roxb.: *C. ovata* (Lam.) Willd. Sp. Pl. 2(2) : 629. 1799 based on *Anavinga ovata* Lam. Encycl. 1 : 148. 1789 appears to be the correct name.
- P. 19. The correct nomenclature of *Hydnocarpus laurifolia* (Dennst.) Sleumer is:
Hydnocarpus pentandra (Buch.-Ham.) Oken, Allg. Naturgesch. 3(2) : 1381. 1841. *Chilmoria pentandra* Buch.-Ham. in Trans. Linn. Soc. London 13 : 501. 1822. *Hydnocarpus wightiana* Blume in Rumph. 4 : 22. 1848; Hook. f. & Thoms. in Hook. f. Fl. Brit. India 1 : 196. 1872; Dunn in Gamble, Fl. Pres. Madras 1 : 37. 1957 (repr. ed.).
Munnicksia laurifolia Dennst. is nom. nud.
- P. 40. *Melochia nodiflora* Sw. Prodr. 97. 1788; Sreekumar & Nair in J. Bombay Nat. Hist. Soc. 78 : 424. 1981.
Shrubs; flowers in axillary clusters.
Distrib.: Chengalpattu, Coimbatore.
- P. 52. *Hydrocera triflora* (L.) Wight & Arn.: the correct name is *Tytonia triflora* (L.) Wood in J. Arnold Arbor. 56 : 414. 1975.
- P. 61. *Luvunga sarmentosa* (Blume) Kurz : the correct name of the Indian plant is only *Luvunga eleutherandra* Dalz.
- P. 70. *Olox imbricata* Roxb. Fl. Ind. 1 : 169. 1820 may be the correct name for *O. wightiana* Wall. ex Wight & Arn. incl. var. *nigrescens* Gamble (vide Sleumer in Blumea 26 : 156. 1980).
- P. 91. *Alysicarpus bupleurifolius* (L.) DC. var. *hybridus* DC. Prodr. 2 : 352. 1825; Thoth. & Pramanik in Bull. Bot. Surv. India 21 : 191. 1979 (1981).
A herb with slender terete stems.
Distrib.: Coimbatore.

- P. 91. *Alysicarpus roxburghianus* Thoth. & Pramanik in Bull. Bot. Surv. India 21 : 189. 1979 (1981). *Hedysarum bupleurifolium* sensu Roxb. Pl. Cor. t. 194. 1805, non L. 1753.
Perennial herbs or undershrubs; leaves linear.
Distrib.: Coimbatore, Salem (CAL).
- P. 122. *Taverniera cuneifolia* Arn. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(1) : 332. 1836; Wight, Ic. t. 1055. 1846; Gamble, Fl. Pres. Madras 1 : 231. 1957 (repr. ed.). *T. nummularia* sensu Baker in Hook. f. Fl. Brit. India 2 : 140. 1876, non DC. 1825.
A much branched undershrub with terete hoary branches and glabrous echinate pods.
Distrib.: South Arcot (Matthew 1981).
- P. 123. *Tephrosia strigosa* (Dalz.) Sant. & Mahesh. in J. Bombay Nat. Hist. Soc. 54 : 805. 1957. *Macronyx strigosus* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 35. 1850. *Tephrosia tenuis* Wall. ex Dalz. & Gibs. Bombay Fl. 61. 1861; Baker in Hook. f. Fl. Brit. India 2 : 111. 1876; Gamble, Fl. Pres. Madras 1 : 224. 1957 (repr. ed.).
A slender caespitose herb with filiform stems and linear oblong membranous leaflets.
Distrib.: North Arcot, Tiruchchirappalli.
- P. 124. The correct citation of authors' name for *Uraria lagopodioides* will be "(L.) Desv. ex DC."
- P. 128. *Caesalpinia crista* L. : the correct name of the Indian plant will be *Caesalpinia bonduc* (L.) Roxb. Fl. Ind. 2 : 362. 1832 emend. Dandy & Exell in J. Bot. 76 : 175. 1938, based on *Guilandina bonduc* L. Sp. Pl. 381. 1753.
- P. 134. *Acacia grahamii* Vajravelu nom. nov. *A. canescens* (Baker) Graham ex Gamble, Fl. Pres. Madras 429. 1919 & 1 : 304. 1957 (repr. ed.), non Mart. & Gal. 1843. *A. pennata* (L.) Willd. var. *canescens* Baker in Hook. f. Fl. Brit. India 2 : 298. 1878.
A large prickly climbing shrub with minute narrow leaflets and pubescent branches, in dry forests.
Distrib.: Coimbatore, Nilgiri, Salem (RHT), Tiruchchirappalli.
- P. 138. *Mimosa hamata* Willd. Sp. Pl. 4 : 1033. 1806; Baker in Hook. f. Fl. Brit. India 2 : 291. 1878; Gamble, Fl. Pres. Madras 1 : 298. 1957 (repr. ed.).
A straggling prickly shrub with pink flowers and pubescent pods; often on black cotton soil.
Distrib.: Tiruchchirappalli (Matthew 1981).
- P. 145. Add: **ESCALLONIACEAE**
V. CHITHRA
- P. 176. *Trianthema decandra* L. : the correct name is *Zaleya decandra* (L.) Burm. f. Fl. Ind. (IC. t. 31. 1768).