

**KEY WORKS OF
FLORISTICS OF INDIA**

Volume I

M.P. NAYAR & G. S. GIRI

BOTANICAL SURVEY OF INDIA

**KEY WORKS OF
FLORISTICS OF INDIA**

FLORA OF INDIA (Series 4)

**KEY WORKS OF
FLORISTICS OF INDIA**

Volume 1

M. P. NAYAR and G. S. GIRI



BOTANICAL SURVEY OF INDIA

© Government of India, 1988

Price :

Published by the Director, Botanical Survey of India
P-8, Brabourne Road, Calcutta-700 001 and Printed at
Deep Printers, 3/26, Ramesh Nagar, New Delhi-110 015

ANDAMAN AND NICOBAR ISLANDS



Pandanus leram Jones.



A Coastal View



Mangrove Forest



Orophea katschallica Kurz



Pandanus leram Jones, being harvested in Nicobar Island in their natural habitat.



Cymbidium aloifolium Sw.



Pandanus andamanensium Kurz.



Avicennia marina Vierh.

ANDHRA PRADESH



Shorea tumbuggaia Roxb.



Cycas beddomei Dyer



Pterocarpus santalinus Linn. f.

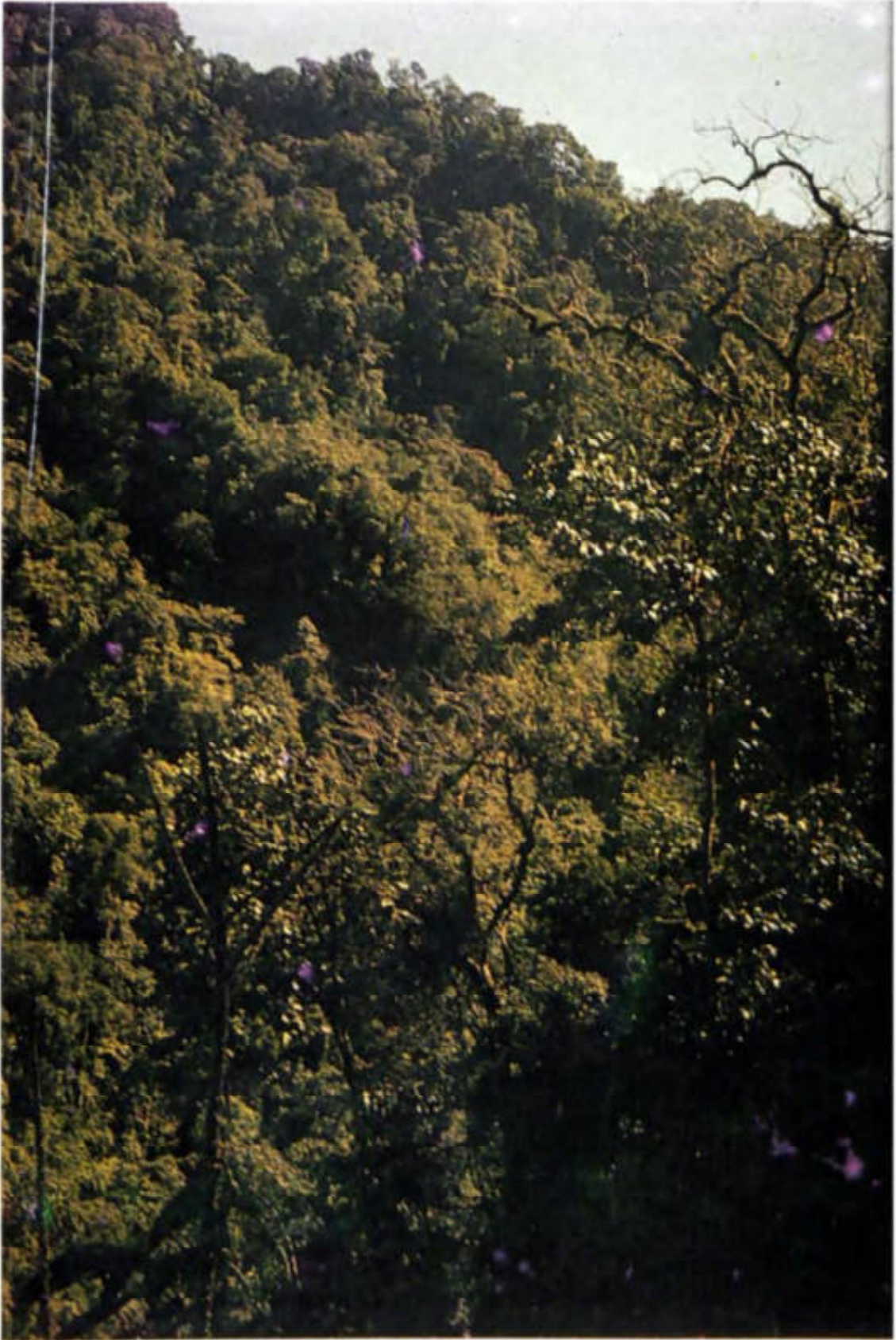
ARUNACHAL PRADESH



Tacca laevis Roxb.



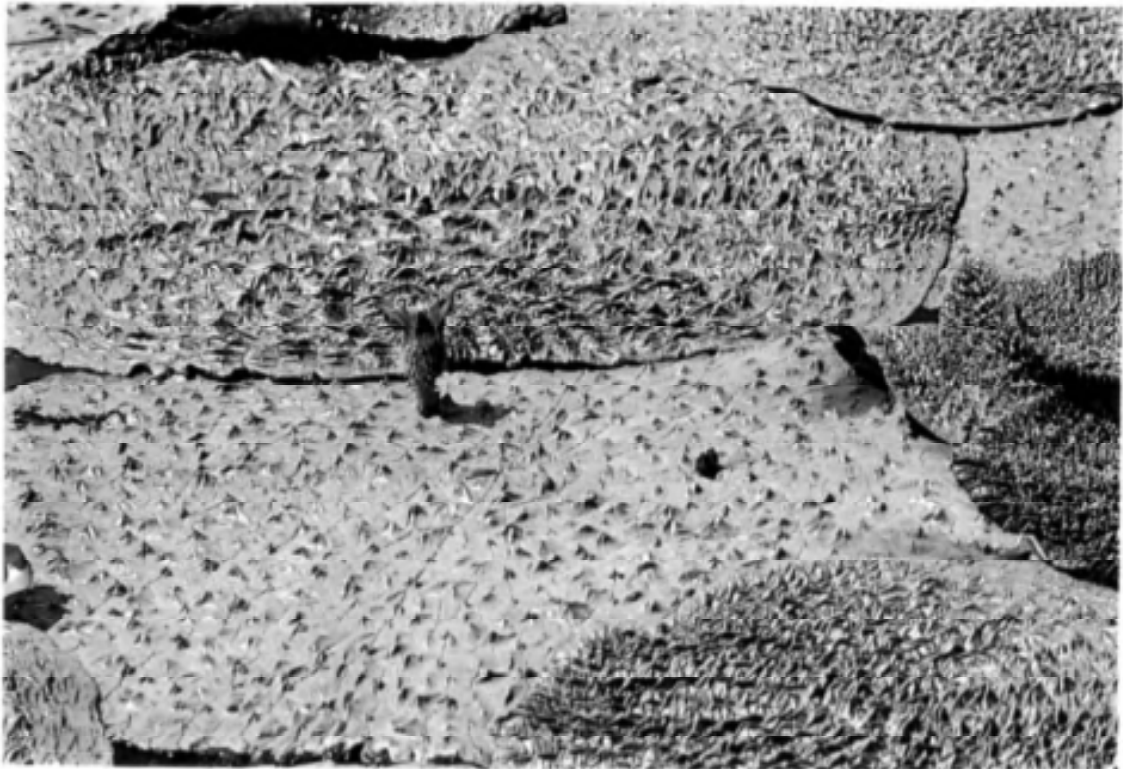
A view of the hill from Kaying (West Siang)



A view of the hill vegetation of Namdapha.



A giant aroid



Euryale ferox Salisb. from Namdapha

ASSAM



Paphiopedilum spicerianum (Rech.) Pflitz.



Solanum khasianum Clarke.

BIHAR



Madhuca butyracea Macbride



Phyllanthus emblica Linn.

DELHI



Delonix regia (Bojer ex Hook.) Raf.

GOA



Haplanthodes verticillatus (Roxb.) R.B. Majumdar

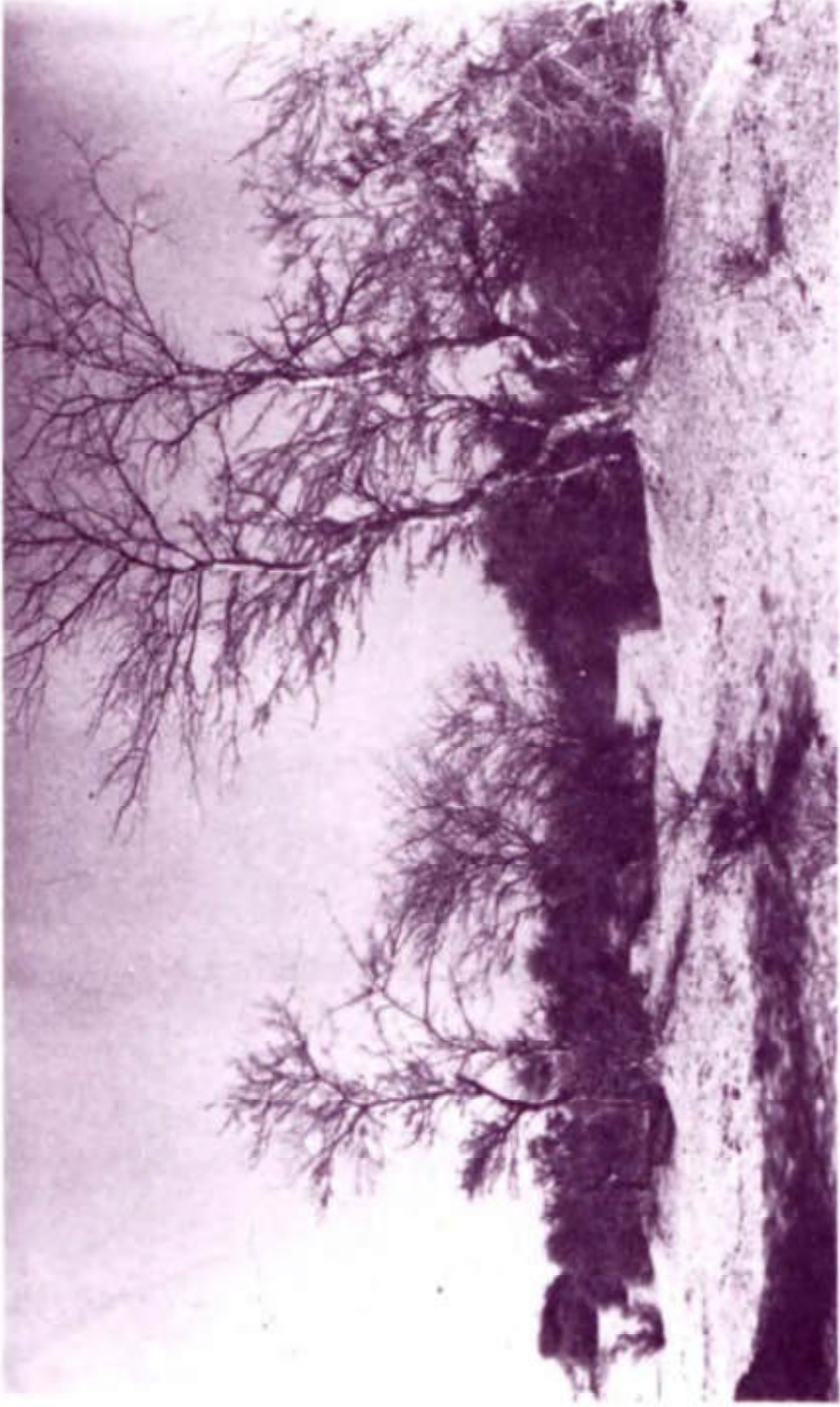


Mesua ferrea Linn.

HARYANA



Adhatoda vasica Nees.



Acacia senegal Willd.

HIMACHAL PRADESH



Duchesnea indica (Andr.) Focke.



A landscape



Origin of Spiti river (Spiti, H.P.)



A conifer forest on slopes (Upper Bashahar, H.P.)

JAMMU AND KASHMIR



Quercus incana Roxb.



A landscape



A landscape



Typical cold desert vegetation of Ladakh

KARNATAKA



Baccaurea courtallensis Muell.-Arg.



Vegetation of Western Ghats

KERALA



Artocarpus chaplasha Roxb.



Impatiens floribunda Wight



A view of Ponmudi



Silent Valley—Shojia forests

MADHYA PRADESH



Pongamia pinnata (Linn.) Pierre



Butea monosperma (Lamk) Taub.

INTRODUCTION

In order to help the preparation of flora of states and districts and to retrieve floristic data already published, it is necessary to have bibliographic index, subject-wise, State, locality so that a floristic worker in India gets complete idea of the area worked out by scanning the key titles under consideration. The authors have compiled this floristic bibliography from their reference cards. These data are now presented in the form of a book so that it is useful to floristic workers in India. The citation presented in the book is coded and each citation bears a coded number.

In 1911 Blatter published the first bibliography dealing with all branches of Indian botany in an authorwise Index (*Journ. Bombay Nat. Hist. Soc.* 20 : IXXIX—CIXXVI) and Santapau in 1952 added a supplement. In 1958 Santapau published an index of floristic and taxonomic literature in the *History of Botanical Research in India, Burma, Ceylon Part II-Systematic Botany of Angiosperms* 1-75. Basak (1983) published the work done by Botanical Survey of India scientists since its reorganisation (1955) upto the year 1981 in an authorwise Index. (*Botanical Survey of India-an account of its establishment, development and activities*). In the field of floristics in India there is steady flow of taxonomic informations and in order to help the retrieval of such an upto date index of key citation pertaining to the floristics of India is prepared subjectwise, State and locality wise.

Method of presentation : Under each State, district, locality citations are arranged authorwise alphabetically. Where more than one reference is cited for the same author, they are indexed chronologically. Where references to joint authors are cited, they are arranged first alphabetically and followed by their datewise sequence. The following abbreviations are used. *descr.* = descriptions; *discuss.* = discussions; *distrib.* = distributions; *enum.* = enumerations; *fam.* = family/families; *fig.* = figure; *gen.* = genus/genera; *loc.* = locality; *pl.* = plate; *rec.* = record; *rep.* = report; *sp./spp.* = species; *tab.* = table; *veg.* = vegetation; *Vern* = Vernacular.

The first volume of the work comprises the general citations (IND) and then State-wise : Andaman & Nicobar Islands (ANN), Andhra Pradesh (ANP), Arunachal Pradesh (ARP), Assam (ASS), Bihar (BIH), Delhi (DEL), Goa, Daman, Diu, Dadra, and Nagar Haveli (Goa), Gujarat (GUJ), Haryana (HAR), Himachal Pradesh (HMP), Jammu & Kashmir (JKM), Karnataka (KAR), Kerala (KER), Lakshadweep (LAK) and Madhya Pradesh (MDP).

In this bibliographic work, where vast information system is assembled there may be some omissions, and hence additional data or information are always welcome.

MONITORING FLORA OF FRAGIL ECOSYSTEM AND VULNERABLE AREAS

The floristic assessment is an important component of the environmental assessment. It is necessary to evaluate and monitor changes taking place due to floristic changes. In order to assess the long term ecological imbalances in natural ecosystem due to construction of dams, mining and hydroelectric projects on river systems, it is necessary to monitor and plan remedial measures well in advance. It is also necessary to locate areas of critical species diversity, endemic centres and plan for their protection before a project takes shape. Quick assessment of such areas is important for preserving biological diversity.

In a developing country like India where industrialisation is taking place at a rapid pace, it is necessary to evaluate and monitor industrial pollution affecting the biological productivity and also help redress the injurious effect on health. Air pollution has been recognised as an important factor resulting in the stunted growth of plants, reduced water uptake and low photosynthetic activity causing low yield of crop plants. The use of plants as monitors of air pollution has been accepted.

In order to have uniform floristic assessment it is necessary to have simple questionnaire for floristic evaluation. Many projects serve developmental purposes. But sustainable development is the keyword for conservation. Floristic assessments have to be evaluated scientifically for giving appropriate direction in the implementation. If a project takes shape, immediate measures should be foreseen by having active codevelopment programmes well in advance and appropriate planting of local species for revegetating the area. Usually the floristic assessment are asked in the following sectors :

- (i) River valley projects/hydel power/dams for irrigation
- (ii) Industrial projects
- (iii) Mining projects
- (iv) Thermal projects.

Chemical Factories :

In order to mitigate atmospheric pollution, it is necessary to plan industrial complexes avoiding conglomerations and also provide buffer zones with green belts and plant suitable trees for flushing out pollutant gases from the atmosphere (Nayar & Debnath 1982—Wind Transmitted

air pollutants and Model plant Canopies for industrial Complexes). It is also mentioned that the architecture and canopies can be gainfully employed as a cover for pollution sinks and wind breaks using particular canopy of trees with reference to the dynamics of wind flow.

Open Cast Mining

In the open cast mining areas, due to the removal of large quantities of earth, air borne dirt and loss of habitat are main causative factors destroying the vegetation. Appropriate planning at the blue print stage of the development of open cast mines is necessary. Ecodevelopment of used mines by initiating a mixture of local species, fruit trees and developing aquaculture in the dugged out areas would remodel and reshape the present situation of denudation and destruction of precious earth. The mining authorities should have independent Ecologist/botanist of high rank to monitor and evaluate development of revegetation along with the productivity of mines. In fact productivity of vegetational blanket should also be one of the parameters alongwith productivity of minerals for measuring the success of a project. Appropriate steps are to be taken to preserve the humus rich top layer of soil as it would take millions of years to form such soil.

Dams (for Irrigation & Hydroelectric Power)

The floristic impact assessment is the main component for the Environmental assessment for siting dams for irrigation or hydroelectric purposes as usually dams are constructed across rivers in the catchment areas where there is high species diversity. The main causative factors for the loss of vegetation is : (i) the submergence of virgin forests, (ii) loss of forests for the construction of ancillary facilities like roads, buildings and (iii) induction of large number of labour who live in hutments using the backdoor forests for their domestic fuel. Perceptible loss of forests is cumulative. It is necessary to assess and evaluate the factors and suggest to implement remedial measures well in advance. Usually remedial measures are taken by project authorities after the completion of project and by the time feasibility or even practicability of ecodevelopment of the area would cause severe strain on the economy. If it is monitored early eco-restoration can be done side by side. The catchment area clearance of forests which result in soil erosion and finally sedimentation of dams and river beds has to be checked or monitored in the beginning.

Thermal Power Stations :

The thermal stations release large quantities of fly-ash which cause atmospheric particle pollution. Appropriate green belt round factories and regular monitoring of ambient air quality is important.

The above mentioned guidelines are simplistic and each project has to be viewed in its totality, in relation to all factors. So far as floristic assessment is concerned, it is necessary to answer interrelationships, dynamics of vegetation, recovery rate and revegetation to keep the same habitat with original vegetational cover. The introduction of exotics without proper evaluation and not in relation to the composite original vegetational cover would be counter productive from the point of ecological web. So appropriate planning and long range forecasting is necessary before appropriate mix of species are planted.

Following guidelines for the Floristic Assessment statement is given which indicates a framework for our botanists to assess each project and each situation.

Assessment of Floristic Environment

1. What is the setting for the site for the project ?

The habitat or site should be evaluated in order to properly assess the character of the floristic environment of the site in context.

1.1. Description of the project.

1.2. Is the site unique in floristic content naturally or regionally ?

1.3. How is the site related to other local conditions ?

2. What is the existing vegetation ?

2.1. Type of vegetation

2.2. Forests

2.3. Shrubs

2.4. Grasslands

2.5. Medicinal plants

2.6. Weeds

2.7. Other vegetation (Ornamentals both native & introduced)

2.8. Type of agriculture system

3. Are there unique vegetative features ?

(This question answers the rare features of the vegetation.)

3.1. Rare or endangered plant species or endemics

3.2. Species of high visual and aesthetic appeal or historic significance

3.3. Plants associated with particular habitat features (e.g. a river, substrate type, acid soil and shade).

- 3.4. Threats posed by an individual plant species of vegetation (e.g. : poisonous, fire potential, diseased anthropogenic)
4. Whether any plant or communities be retained or preserved ? If so indicate how it can be retained if the project is finally approved or cleared.
 - 4.1. Types of ecodevelopment suggested.
 - 4.2. Whether regeneration of original vegetation is possible ?
 - 4.3. Whether particular plant species should be saved ?
 - 4.4. Should a representative plant community be saved ?
 - 4.5. Should a particular natural habitat be saved ?

In each case the reason for retention or preservation may be given. Whether it is visual impact ? Whether it is based on historic value ? Whether it is based on scientific data ? Whether it is subjective opinion ?

5. What wildlife is present or used the area seasonally ?
(This answer is to be given by associating Zoologists)

General animal groups are :

- 5.1. Birds (both game and nongame species)
 - 5.2. Mammals (both game & nongame species)
 - 5.3. Reptiles & amphibians
 - 5.4. Fish
 - 5.5. Insects and other arthropods
 - 5.6. Pests
 - 5.7. Other animals.
6. Are there any unique wildlife features ?
(This data is to be given by associating Botanists and Zoologists)
 - 6.1. Rare or endangered species
 - 6.2. Species of high visual, historic or aesthetic appeal
 - 6.3. Threat posed by animal species (for example, poisonous, large carnivores, disease carriers)

What natural habitats are present ?

Natural assemblages of plants and animals in relation to specific physical factors are important for answering this.

- 7.1. Whether any of the habitats suitable for special important or rare or endangered species? (for example cliffs for nesting, gravel beds for spawning, marshy area for shelter, grassland for breeding, mangrove and estuaries for fisheries).
 - 7.2. Are any of the habitats important in wildlife productivity? (for example sport fish and wildlife, commercial and educational).
8. What is the disturbance level?
- This question is fundamental in evaluating the existing environment and also indicates response potential to various perturbations. Such clues as the presence of weedy species, successional species, lack of young climax species and the response of indicator species to various kinds of impacts can be evaluated by assessing the durability of a natural community and the level of disturbance.
- 8.1. Is the area or site pristine or relatively undisturbed by people or natural factors?
 - 8.2. Is the community or habitat fragile or durable?
Indicate why it is fragile or durable.
 - 8.3. What is the recovery potential of vegetation?
 - (1) Areas of low vegetative recovery potential may be due to such site factors as soil composition, erosion, low soil fertility, low rainfall, lack of seed bank and severe climate.
 - (2) Areas of high vegetative recovery possess deep rich soil, good seed source and moderate climate or heavy rainfall.
9. What are the interlinking features or biological web?
- 9.1. Vegetation & substrate : talus slope, dune, chemical composition
 - 9.2. Animal & substrate : browsing animals
 - 9.3. Plant & animal : pollination, shelter, food
 - 9.4. Animal & plant – herbivore
 - 9.5. Animal and animal – parasite.
10. Are sonic conditions a problem to the wildlife?
- 10.1. What is the source of the sound? Is it stationary or moving? (rock-crusher, motor cycles or heavy earth movers or lorries)
 - 10.2. Is the area pristine and serene or already subject to noises?
 - 10.3. Will disturbing noises be generated only during the construction phase or will they be ongoing operational perturbation of the area?

- 10.4. Indicate species of wild life which will be sensitive to the noise generated by the project or activity ?
11. What are the visual conditions that exist ?
- Is the visual image of the site an important consideration ?
If so, in what respects ? This question requires answering from the wildlife point of view.
 - Will any of the wildlife within view of the proposed project be adversely impacted visually ?
12. What are the important medicinal plants ?
- 12.1. Medicinal plants used nationally
 - 12.2. Medicinal plants used locally by local tribal groups
 - 12.3. Whether you foresee any depletion of species due to the project.
13. What are the wild food plants of the site or area ?
- 13.1. Commonly used by local people
 - 13.2. Rarely used by local people.
14. Are any plants susceptible to project created air pollution ?
Plants susceptibility to air pollutants as well as the amount and types of pollutants that will be emitted by the proposed project has to be given and evaluated.
- 14.1. What are the plants susceptible to the pollution ?
 - 14.2. What are the plants tolerant to the pollution ?
15. By siting the project whether you envisage sociological pressures due to the influx of men and materials ?
- (1) Whether the local plant products become expensive ?
 - (2) Whether other people depending on local vegetable products become expensive ?
 - (3) Likely number of people inducted into the locality ?
16. Is there any aquatic habitat present ?
- The presence of a lake, creek, river, lagoon or estuary on or near a project site inevitably increases the species diversity of the area as well as its biotic productivity. A detailed assessment of aquatic habitat and its relation to the adjacent terrestrial habitats is essential to any such floristic and environmental analysis.
- 16.1. What is the condition of the aquatic system ?
Both biotic and abiotic parameters should be assessed ?

- 16.2. Does the aquatic habitat have high visual, and aesthetic features ?
- 16.3. Does the aquatic habitat have high commercial, recreational values ?
- 16.4. Are there rare or endangered species associated with the aquatic habitat ?
- 16.5. What are the key plants and animal species associated with the aquatic system ?

It is necessary to give interrelationships between plants and animals, such as food source and habitat. Important features of animals, such as that need to be discussed are :

- (1) The role of key species (mostly carnivores)
- (2) Numbers as they relate to commonness or rarity
- (3) Seasonal changes (such as migration, hibernation or breeding) in activity or locality
- (4) Sensitivity to various impacts
- (5) Aesthetic value.

These answers are important for dynamics of plant-animal relationships

Sample form for use in Floristic Assessments

Name of Project : _____ Date : _____

Type of Project : _____

Prepared for : _____

Investigator : _____

1. Reconnaissance : Record key on plot map or sketch to show location.
 - 1.1. Physical features :
 - 1.1.1. Geography
 - 1.1.2. Geology and soils
 - 1.1.3. Climate
 - 1.1.4. Water
 - 1.1.5. Other.
 - 1.2. Vegetation :

1.2.1. Plant communities : dominant plants

1.2.2. Unique vegetation features.

1.3. Fauna

1.3.1. Animal Population : dominant animals

1.3.2. Mammals

1.3.3. Birds

1.3.4. Reptiles

1.3.5. Amphibians

1.3.6. Fish

1.3.7. Insects

1.3.8. Other Invertebrate.

1.4. Unique Wild Life (Plants & Animals)

1.4.1. Plants

1.4.2. Animals

2. Unique habitats for	Habitat plant species	Important Animal Species	Important Wildlife Producti- vity	Visual historic value ; scenic beauty
3. Constitution of unique habitats :	Disturbed to pristine	Fragile to durable	Recovery potential & speed	

4. Special Relationships :

4.1. Vegetation to substrate

4.2. Animal to substrate

4.3. Plant to animal

4.4. Animal to plant

4.5. Animal to Animal

4.6. Other : Man to plants and to animals.

5. Aquatic habitat :
 - 5.1. Present condition
 - 5.2. Visual and aesthetic features
 - 5.3. Commercial, Recreational or educational
 - 5.4. Rare or endangered species
6. Rare endangered species :
 - 6.1. Whether it occurs locally or whether it is endemic ?
 - 6.2. Whether the species occur elsewhere in the country ?
 - 6.3. Whether it can be transplanted ?
 - 6.4. If so whether special habitats are required ?
 - 6.5. What is the cause of rarity of plant or animal
 - 6.5.1. Whether it is habitat loss ?
 - 6.5.2. Whether it is due to biological or genetical factors ?
 - 6.5.3. Whether it is due to large scale use without appropriate farming ?
 - 6.5.4. Whether it is due to international export trade ?
7. General Assessment :
 - 7.1. Whether the project adversely affect the flora/fauna ?
 - 7.2. Whether the project can take remedial measures ?
 - 7.3. Even if remedial measures are taken, whether it is viable in long sustaining basis ?

Leader of the Reporting Team

INDIA : GENERAL

- IND 1 Anonymous, 1885.
Classified index to the scientific papers in the Society's publications from 1788-1882. Botany in Centenary review of the *Asiat. Soc. Bengal* (1784-1883). Calcutta.
- IND 2 Anonymous, 1907-1909.
The Imperial Gazetteer of India. 26 vols. Oxford.
- IND 3 Anonymous, 1931.
Introduction of *Cinchona* in India. *Kew Bull.* 1931 : 113-117.
- IND 4 Anonymous, 1948-1973.
The Wealth of India : A dictionary of Indian raw materials and industrial products. New Delhi.
- IND 5 Anonymous, 1959
Proceedings of the Mangrove Symposium, Calcutta, 1957. Faridabad.
- IND 6 Anonymous, 1960.
List of medicinal plants deposited in various herbaria of the Botanical Survey of India. *Bull. Bot. Surv. India* 2 : 180-273. Enumeration of 683 spp. in BSI & MH.
- IND 7 Anonymous, 1961.
One hundred years of Indian Forestry II. Forest. Dehra-Dun.
- IND 8 Anonymous, 1963.
Scientific publications of H. Santapau. *Bull. Bot. Surv. India* 5 : vii-xiv. 215 titles.
- IND 9 Achariar, K.R. & Mudaliar, C.T. 1921.
A Handbook of South Indian Grasses. Madras.

- IND 10 Achart, A.D. 1905
Quinze cents plantes dans l' Inde, Pondichery. 494 p.
- IND 11 Adams, A.L. 1867
Wanderings of a Naturalist in India, the West Himalayas and Cashmere. Edinb. rgh. xi + 333 p.
- IND 12 Agarwal, V.S. 1970
Wood yielding plants of India, Calcutta.
- IND 13 Agarwal, V.S. 1976
Raw materials for Indian spice Industry. *Indian Mus. Bull.* 8 (2) : 26-51
- IND 14 Agarwal, V.S., 1976
Fruits of Indian plants as a source for Medicine. *Journ. Ind. Drug. Manufac. Association* 22 (7) : 307-314.
- IND 15 Agharkar, S.P. 1923
The present position of our knowledge of the aquatic flora of India. *Journ. Indian Bot. Soc.* 3 : 252-260.
- IND 16 Agharkar, S.P. 1938
Progress of botany during the past twentyfive years In : D. Prasad's Ed. *Progress of Science in India.* 742-767, Calcutta.
- IND 17 Agarwal, S., & Bhattacharyya, U.C. (1980) 1982
Some nomenclatural notes on fam. Gentianaceae. *Bull. Bot. Surv. India* 22 (1-4) : 184-185.
- IND 18 Agarwal, S., Bhattacharyya, U.C. (1980) 1982
A note on *Gentianella gentianoides* (Franchet) H. Smith (Gentianaceae). *Bull. Bot. Surv. India* 22 (1-4) : 187-188.
- IND 19 Agarwal, S., Bhattacharyya, U.C. & Gupta, B.K. 1981
A note on *Gentiana harwanensis* (Gentianaceae). *Indian Journ. Forestry* 4 (3) : 236-238. fig.1.
- IND 20 Agarwal, S.C. 1961

Grassland communities in dry tropical forests. *Indian Forester* 87 (5) : 309-315. Vegetation types in the forests of A.P., Gujarat, Karnataka, Madras and Maharashtra.

- IND 21 Aiyar, A.K.Y.N. 1949
Agriculture and allied arts in Vedic India. Bangalore. vi + 65 p.
- IND 22 Aiyar, A.K.Y.N. 1956
Antiquity of some field and forest flora of India. Bangalore. vi + 74 p.
- IND 23 Aiyar, A.K.Y.N. 1958
Field crops of India. Bangalore. xix + 619 p.
- IND 24 Aiyar, A.K.Y.N. 1960
Cultivation of cloves in India. New Delhi. xii + 85 p.
- IND 25 Anderson, T. (n.d.)
List of Acanthaceae cultivated in the Royal Botanical Garden, Calcutta. 25 p.
- IND 26 Ansari, M.Y. & Rao, R.S. (1973) 1976.
Iphigenia stellata Blatt. — its identity and economic importance
Bull. Bot. Surv. India 15 : 118-122.
- IND 27 Arora, P.K. 1981
 Native food plants of the North Eastern tribals. In : *Glimpses of Indian Ethnobotany*, ed. S.K. Jain. 91-106.
- IND 28 Ashton, P.S. 1975
 The biological significance of complexity in low land tropical rain forest. *Journ. Indian Bot. Soc.* 50A : 530-537.
- IND 29 Avita, S.R. & Inamdar, J.Á. 1981
 Abnormal flowers of *Cleome viscosa* L. *Journ. Econ. Tax. Bot.* 2 : 231-232.
- IND 30 Eabington, C.C. 1836
 Descriptions of those species of *Polygonum* and *Fagopyrum* which are contained in the Indian Herbarium of J. Forbes Royle. 93-199 p.

- IND 31 Babu, C.R. & Hepper, F.N. 1979
Taxonomy and nomenclature of *Solanum khasianum* and some of its relatives. *Kew Bull.* 34 (2) : 407-411
- IND 32 Badhwar, A.L., Dey, A.C. & Edwards, M.V. 1944
Vegetable tannin materials of India. Part I. Survey Indian Forest Leaflets-Chemistry No. 72
- IND 33 Badhwar, R.L. 1947
Aromatic Plants of India. New Delhi. 290 p., plates.
- IND 34 Badhwar R.L. et al. 1956
Canes (Rattans); their occurrence, cultivation and exploitation in India. Dehra Dun. i+7 p.
- IND 35 Badhwar, R L. et al. 1957
Rauvolfia serpentina. Delhi. 7 p.
- IND 36 Bagchee, K. 1960
Indian timber and its decay. Delhi. 79-129 p.
- IND 37 Bahadur, K.N. & Jain, S.S. 1981
Rare Bamboos of India. *Indian Journ. Forestry* 4 (4) :280-286.
- IND 38 Bahadur, S. 1962
Studies in Angiospermic parasites. Lucknow. 75 p.
- IND 39 Bahadur, S. 1964
Development and structure of Angiosperm seed 1 : review of the Indian work. Lucknow. 115 p.
- IND 40 Bakshi, T.S. & Coupland, N.T. 1960
Vegetative propagation in *Linaria vulgaris.* *Canadian Journ. Bot.* 38 : 243-249.
- IND 41 Bal, S.N. 1932
Catalogue of medicinal plant exhibits in the Industrial section of the Indian Museum, Botanical Survey of India, Calcutta. New Delhi. ii+121 p.

- IND 42 Bal, S.N. 1939
 Catalogue of food, spice and fodder plant exhibits in the Industrial Section of the Indian Museum. Delhi. v + 73. p.
- IND 43 Bal, S.N. 1940
An outline of the pharmacopoeial drugs of vegetable origin. Calcutta. iv + 74 p.
- IND 44 Bal, S.N. 1940
Ipecacuanha. *Indian Journ. Pharm.* 2 : 9-19.
- IND 45 Bal, S.N. & Banerjee, K.C. 1938
Cinchona plant. *Sci. & Cult.* 4 : 614-618
- IND 46 Balakrishnan, N.P. (1966) 1967
 Nomenclatural notes on some flowering plants. *Journ. Bombay Nat. Hist. Soc.* 63 : 327-331. Name changes of 7 spp., 4 nom. nov., 3 comb. nov.
- IND 47 Balakrishnan, N.P. 1970
 Studies in Indian Euphorbiaceae-IV. *Journ. Bombay Nat. Hist. Soc.* 67 (2) : 299-306. The genus *Agrostistachys* Dalzell with description of two new varieties under it.
- IND 48 Balakrishnan, N.P. (1973) 1976
 Studies in Indian Euphorbiaceae-V. The genus *Chrozophora* Neck. *Bull. Bot. Surv. India* 15 : 1-7.
- IND 49 Balakrishnan, N.P. 1970
 Nomenclatural notes on some flowering plants 2. *Journ. Bombay Nat. Hist. Soc.* 67 : 57-66. 77 spp.
- IND 50 Balakrishnan, N.P. (1980) 1982
 Nomenclatural notes on some flowering plants-3. *Bull. Bot. Surv. India* 22 (1-4) : 173-177.
- IND 51 Bald, C. 1957
Indian tea. 6th ed. Calcutta. ix + 431 p.
- IND 52 Balfour, E. 1862
The Timber Trees, Timber and Fancy Goods, as also the forests of India and of Eastern and Southern Asia. Madras. (Second Edition). 353 p. (1st ed. 1858, 83 p.).

- IND 53 Banerjee, D.K. & Pal, D.C. (1970) 1972
Some new distributional records in Indian grasses. *Bull. Bot. Surv. India* 12 : 70-72.
- IND 54 Banerjee, D.P., Chatterjee, B.K. & Rao, D.P. (1980) 1982
Propagation carambola (*Averrhoa carambola* L.) by air layering with different concentration of growth regulators. *Ind. Agric.* 24 (3 & 4) : 165-168.
- IND 55 Banerjee, R.N. 1975
Pseudobrassiopsis a new genus of Araliaceae, with a note on the status of *Euaraliopsis* Hutch. *Journ. Bombay Nat. Hist. Soc.* 72 (1) : 71-73.
- IND 56 Banerjee, S.C., Ramaswami, M.S. & Smith, W.W. 1913
Two decades of new Indo-Burmese species. *Rec. Bot. Surv. India* 6 : 29-40.
- IND 57 Banerjee, S.K. 1952
The climate of India. *Journ. Bombay Nat. Hist. Soc.* 50 : 718
- IND 58 Banerjee, S.P. 1967
Notes on *Argyreia involucrata* Clarke (Convolvulaceae) with a plate. *Journ. Bombay Nat. Hist. Soc.* 64 (3) : 586-587.
- IND 59 Banerjee, S.P. & Banerjee, R.N. (1973) 1975
A taxonomic revision of Indian *Microula* Benth. (Boraginaceae). *Bull. Bot. Surv. India* 15 : 71-75.
- IND 60 Basak, R.K. 1980
Fascicles of Flora of India. Fasc. 4. Simaroubaceae & Balanitaceae. Botanical Survey of India, Howrah. 1-24. Pl. 2. Revision.
- IND 61 Basak, R.K. 1981
Robert Wight and his botanical studies in India. *Taxon* 30 (4) : 784-793.
- IND 62 Basu, A. 1956
A specific for *Leucoderma* (*Psoralea cartilifolia* L.). *Journ. Bombay Nat. Hist. Soc.* 53 : 743-745.

- IND 63 Basu, B.D. (Ed.) 1918
Indian medicinal plants. Allahabad. Vol. 1-4.
- IND 64 Basu, J.K. 1951
 Soil conservation, vital need of the nation. *Proc. Indian Sci Cong. II* : 227-253.
- IND 65 Beccari, O. 1902
 Systematic Enumeration of species of *Calamus* and *Daemonorops* with diagnoses of the new ones. *Rec Bot. Surv. India* 2 (3) : 197-230
- IND 66 Beddome, R.H. 1874
Icones Plantarum India Orientalis. Madras. vii + 70 p.
- IND 67 Bennet, S.S.R. 1965
 Genus *Kalstroemia* Scop, new to Indian Flora. *Indian Forester* 91 : 267.
- IND 68 Bennet, S.S.R., Naithani, H.B. & Raizada, M.B. 1978
Parthenium L. in India a review and history. *Indian Journ. Forestry* 1 (2) : 128-131.
- IND 69 Bentham, G. 1835
 Scrophularineae Indicae : a synopsis of the east Indian Scrophularineae. London 57 p.
- IND 70 Bentvelzen, P.A.J. 1965
 Some new records of *Lysimachia* in Indo-Malesia. *Blumea* 13 : 140.
- IND 71 Bezbaruah, H.P. & Bezbaruah, B. 1963
Solanum aculeatissimum Jacq. : A new record for Northern India. *Journ. Bombay Nat. Hist Soc.* 60 : 759-761.
- IND 72 Bhadran, C.A.R. 1957
 Principles of reforestation of degraded areas and rehabilitation planting. *Indian Forester* 83 : 409-415.

- IND 73 Bhakuni, D.S., Dhar, M.L., Dhawan, B.N. & Mehrotra, B.N. 1969
 Screening of Indian plants for biological activity : Part II. *Indian Journ. Exp. Biol.* 7 : 250-262.
- IND 74 Bhakuni, D.S., Dhar, M.L., Dhar, M.M., Dhawan, B.N., Gupta, B. & Srimal, R.C. 1971
 Screening of Indian Plants for biological activity. Part III. *Indian Journ. Exp. Biol.* 9 : 91-102.
- IND 75 Bhandari, M.M. 1971
Caralluma edulis (Edgew.) Benth. & Hook. f. : a new record for India. *Journ. Bombay Nat. Hist. Soc.* 68 (1) : 296-297.
- IND 76 Bhandari, M.M. 1978
Flora of the Indian desert. Pawan Kumar Sharma. *Sci. Publ. Jodhpur.* 1-472. fig. 133. map. Complete flora with keys.
- IND 77 Bhandari, M.M. & Singh, D. 1965
Dactyliandra (Hook. f.) Hook. f. a cucurbitaceous genus new to the Indian Flora. *Kew Bull.* 19 : 133-138.
- IND 78 Bharadwaj, S.P. 1981
 On the identity of *Chrysopogon serrulatus* Trin. *Indian Journ. Forestry* 4 (3) : 239-240.
- IND 79 Bharucha, F.R. 1952
 Plant ecological research on the arid and semi-arid regions of Afghanistan, India and Pakistan. UNESCO. Arid Zone Programme 84 : 1-42. Floristics of Kutch, Kathiawar & Deccan.
- IND 80 Bharucha, F.R. 1975
 Fifty years in ecological and phytosociological research in India. *Vegetatio* 30 : 153-155.
- IND 81 Bhaskar, V. & Razi, B.A. 1973
 A new kind of sculpturing in *Impatiens* L. (Balsaminaceae) from South India. *Curr. Sci.* 42 : 510-512.
- IND 82 Bhatnagar, H.P. 1963
 General features and floristic composition of tropical evergreen forests of India. *Proc. Nat. Acad. Sci. India* 33B : 119-125 of Kerala, Madras & Bombay : Plant list.

- IND 83 Bhatt, R.P. 1971
Notes on *Spergula fallax* (Lowe) F.H.L. Krause and *S. renalis* Willd. *Journ. Bombay Nat. Hist. Soc.* 68(2) : 492-494.
- IND 84 Bhattacharjee, A.K. & Das, A.K. 1969
Phytochemical screening of some Indian plants. *Q. Jl. Crud. Drug. Res.* 9 : 1408-1412.
- IND 85 Bhattacharya, B.S. et al. 1935
Practical rose growing in India. Calcutta. xii + 111 p.
- IND 86 Bhattacharya, K. 1961
Catalogue of scientific periodicals in Calcutta libraries, Calcutta. viii + 263 + iv p.
- IND 87 Bhattacharyya, P.K. 1976
A note on two species of *Ipomoea*, namely *I. cuneata* Jacq. and *I. just-losa* Mart. ex Choisy in Eastern Asia. *Journ. Bombay Nat. Hist. Soc.* 73(2) : 317-320.
- IND 88 Bhattacharyya, U.C. (1963) 1964
Sida anthemifolia R.Br. (Compositae): A new record for India. *Bull. Bot. Surv. India* 5 : 375-376.
- IND 89 Bidie, G. 1862
The Timber Trees of India, Madras.
- IND 90 Biswas, K.P. 1932
The role of aquatic vegetations in Indian waters, in Sir P.C. Poy Comm. Vol. Calcutta.
- IND 91 Biswas, K.P. 1934
Some foreign weeds and their distribution in India and Burma. *Curr. Sci.* 2 : 422-425. (also extracted in *Indian Forester* 10 : 861-865)
- IND 92 Biswas, K.P. 1936
Resume of the literature of Indian medicinal plants. *Curr. Sci.* 5 : 173-174.

- IND 93 Biswas, K.P. 1943
 Systematic and taxonomic studies on the flora of India and Burma. Proc. 30th Indian Sci. Congr. (Calcutta) Pres. Address 102-152.
- IND 94 Biswas, K.P. 1949
 Botanical notes on the Satpura theory. *Symposium--Satpura hypothesis of the distribution of Malayan flora and fauna to peninsular India* Proc. Natn. Inst. Sci. India 15 : 365-367.
- IND 95 Biswas, K.P. 1958
Ipecac cultivation in India. New Delhi, 44 p.
- IND 96 Biswas, K.P. 1961
 Symposium on Cinchona cultivation in India—its past, present and future. *Journ. Asiat. Soc. Bengal* 3 : 63-68.
- IND 97 Biswas, K.P. & Calder, C.C. 1936
Hand-book of Common Water and Marsh Plants of India and Burma, New Delhi. (Second Edition, 1955). xvi + 216 p.
- IND 98 Biswas, K.P. & Calder, C.C. 1950
 Original correspondence of Sir Joseph Banks relating to the foundation of the Royal Botanic Garden, Calcutta. Calcutta. 56 p.
- IND 99 Biswas, K.P. & Ghosh, E. 1950
Bharatiya Banoushadhi : a treatise on medicinal plants (in Bengali) 3 vols. Calcutta. 2nd revised ed. 5 vols., Calcutta.
- IND 100 Blasco, F. 1970
 L'etage montagnard tropical dans le sud L'Inde. C.R. Acad. Sc. Paris t. 270, 496-497.
- IND 101 Blasco, F. 1971
 Orophytes of South India and Himalayas. *Journ. Indian. Bot. Soc.* 50 : 377-381 Floral elements of S. Indian hills; endemics; discussion.
- IND 102 Blasco, F. 1976
Mangroves of India. pp. 175, fig. 20. photo. 28. French Institute, Pondicherry.

- IND 103 Blatter, E. 1911
A bibliography of the botany of British India and Ceylon. *Journ. Bombay Nat. Hist. Soc.* 20 : 79-185.
- IND 104 Blatter, E. 1921
Species Novae Indiae Orientalis. Decas I. *Journ. Indian Bot.* 2 : 44-54, ff.
- IND 105 Blatter, E. 1926
Palms of British India and Ceylon. London. xxviii + 600 p.
- IND 106 Blatter, E. 1929
Indian bamboos brought up to date. *Indian Forester* 55 : 541-562, 586-612.
- IND 107 Blatter, E. 1930
New species of Indian Plants. *Journ. & Proc. Soc. Beng. N S.* 26 : 339-66.
- IND 108 Blatter, E. & Hallberg, F. 1918-1921
The Flora of Indian Desert. *Journ. Bombay Nat. Hist. Soc.* 26 : 218-246, tt. 1-12; 525-551, tt. 13-25; 811-818, tt. 26-31; 968-987. 27 : 40-47, 270-279, tt. 32-34; 506-519, tt. 35-37.
- IND 109 Blatter, E. & Hallberg, F. 1918
A revision of the Indian species of *Rotala* and *Ammania*. *Journ. Bombay Nat. Hist. Soc.* 25 : 701-722; 26 : 210-217.
- IND 110 Blatter, E & Millard, W.S. 1929
Some beautiful Indian Trees. *Journ. Bombay Nat. Hist. Soc.* 33 : 624-635. (14 parts published, profusely illustrated; issued in book form in 1937, Second edition, 1954. xv + 165 p.).
- IND 111 Bloxam, W.P. & Leake, H.M. 1905
Account of the research work in indigo. 1903-1904. Calcutta. 45 + lxxxix p.
- IND 112 Bodding, B.O. 1927
Studies in Santal medicines and connected folklore. *Mem. Asiat. Soc. Bengal* 10 : 133-426.

- IND 113 Boissier, F. 1875-1884
Flora orientalis sive Enumeratio plantarum in Orienta Graecia et Aegypto ad Indae fines jucusque observatarum. Basel.
- IND 114 Bole, P.V. & Almeida, M.R. 1977
List of type specimens of some species, varieties and formas deposited in Blatter Herbarium, Bombay. *Journ. Bombay Nat. Hist Soc.* 74 : 220-232.
- IND 115 Bole, P.V. & Almeida, M.R. 1979
List of type specimens of the species, varieties and formas deposited in Blatter Herbarium, Bombay. *Journ. Bombay Nat. Hist. Soc.* 74. Suppl. 610-620. About 100 types.
- IND 116 Bonavia, E. 1885
(The) future of the date palm in India. *Phoenix dactylifera*. Calcutta. 118 p.
- IND 117 Bor, N.L. 1938
Gynura crepidioides Benth. *Curr. Sci.* 7 : 116.
- IND 118 Bor, N.L. 1940
Three new genera of Indian grasses. *Indian Forester* 66 : 267-272.
- IND 119 Bor, N.L. 1941
New Indian and Burmese species. *Indian Forester* 3(5) : 144-150, tt. 1-4.
- IND 120 Bor, N.L. 1941
New Indian and Burmese species. Delhi, 7 p.
- IND 121 Bor, N.L. 1948
New species of *Poa* from India, Burma and Tibet. *Kew Bull.* 1948 : 138-144.
- IND 122 Bor, N.L. 1953
Manual of Indian Forest Botany. xv + 441 p.

- IND 123 Bor, N.L. 1954
Notes on Asiatic Grasses-20. Indian grasses in Roth's Herbarium. *Kew Bull.* 1954 : 545-548.
- IND 124 Bor, N.L. 1958
Notes on Asiatic grasses-32. *Indopoa* Bor, a new genus of Indian grass. *Kew Bull.* 1958 : 225-226 *I. paupercula* (Stapf.) Bor Comb. nov. = *Tripogon pauperculus* Stapf.
- IND 125 Bor, N.L. 1960
Grasses of Burma, India and Pakistan. London xiii+767 p
- IND 126 Bor, N.L. 1962
Zenkeria elegans Trin. Hooker's Icon. Pl. 36 : pp. 4, t. 3597.
- IND 127 Bor, N.L. 1962
Pseudodiichanthum serrafalcoides (Cooke & Stapf.) Bor. Hooker's Icon. Pl. 36 : pp. 3, t. 3598
- IND 128 Bor, N.L. 1963
New Asiatic Grasses *Journ. Indian Bot. Soc.* 42A : 10-15
- IND 129 Bor, N.L. 1965
New species in the Gramineae. *Bull Bot. Surv. India* 7(1-4) : 132-133.
- IND 130 Bor, N.L. & Raizada, M.B. 1939-48
Some beautiful Indian climbers and shrubs. *Journ. Bombay Nat. Hist. Soc.* 41 : 1-11. (in all 28 parts were published in this series profusely illustrated; issued in book form in 1954. viii + 286).
- IND 131 Bor, N.L. & Raizada, M.B. 1954
Some beautiful Indian climbers and shrubs. Bombay. viii+286 p.
- IND 132 Bordie, N. 1938
Indian vegetable oils Delhi. v+116 p.
- IND 133 Borradaile, J.W. 1928
A journey across the Himalayas. *Journ. Bombay Nat. Hist. Soc.* 32 : 163-168.

- IND 134 Bose, D.M., Sen, S.N. & Subbarayappa, B.V. 1971
A concise history of Science in India, New Delhi.
- IND 135 Brandis, D. 1872
 On the distribution of the forests in India. *Ocean Highway*, 1872 : 88-113.
- IND 136 Brandis, D. 1874
 The Forest Flora of North-West and Central India. London. xxxi + 608 p.
- IND 137 Brandis, D. 1883
 On the distribution of the forests in India. *Indian Forester* 9 : 174-183, 221-233.
- IND 138 Brandis, D. 1884
 Progress of forestry in India. *Indian Forester* 10 : 399-410, 457-462, 501-510.
- IND 139 Brandis, D. 1887
 The forest of the Outer North-West Himalayas (Translated from the German). *Indian Forester* 13 : 51-70.
- IND 140 Brandis, D. 1897
 Indian Forestry. Guildford. 90 p.
- IND 141 Brandis, D. 1899
 The Indian species of *Anogeissus*. *Indian Forester* 25 : 286-287.
- IND 142 Brandis, D. 1906
 Indian Trees. An Account of Trees, Shrubs and Woody Climbers, Bamboos and Palms Indigenous or commonly cultivated in British Indian Empire; London. xxxii + 767 p.
- IND 143 Brandis, D. & Stewart, J.L. 1874
 The Forest Flora of North-West and Central India, London. xxxi + 608 p.
- IND 144 Bremekamp, C.E.B. 1974
 A New species of *Olfentandia* (Rubiaceae) from India with remarks on its inflorescence morphology. *Kew Bull.* 29 (2) : 359-361.

- IND 145 Brindle, J.U. (ed.) 1980
 Indian botanical Paintings. Hunt Inst. Bot. Document. Pitts-
 burgh 1-72 pp. fig. 85.
- IND 146 Bruhl, p. 1908
 Recent plant immigrants. *Journ. & Proc Asiat. Soc Bengal*
 4 : 603-656.
- IND 147 Bruhl, P. & King. G. 1896
 A century of new and rare Indian Plants. *Ann. R. Bot. Gdns.*
Calcutta 5 : 71-170, tt. 102-200.
- IND 148 Burkill, I.H. 1907
 A note on *Swertia tongluensis* and on a new variety of *S.*
purpurescens. *Journ. Asiat. Soc. Bengal* 3 : 33-35.
- IND 149 Burkill, I.H. 1965
Chapters on the history of Botany in India. xi+245 pp., map
 2, tab. 4. Manager of Publications, Govt. of India, Delhi-8.
 Previously serialised in *Journ. Bombay Nat. Hist. Soc.*
- IND 150 Burkill, I.H. & Finlow, R.S. 1907
 The races of Jute. *Agric. Ledg.* 1907 : 41-137.
- IND 151 Burkill, I.H. & Finlow, R.S. 1907
 On three varieties of *Corchorus capsularis* L. which are eaten.
Journ. Asiat. Soc. Bengal 3 : 633-638.
- IND 152 Burkill, I.H. & Finlow, R.S. 1911
Corchorus capsularis var. *cocarpus*—a new variety of common
 jute plant. *Journ. Asiat. Soc. Bengal* 7 : 465-466.
- IND 153 Burman, N.L. 1768
Flora Indica : Certe accedit series zoophytorum Indicorum et
Prodromus florae Capensis. Amsterdam 302 p.
- IND 154 Caius, J.F. 1935
 The medicinal and poisonous plants of India. *Journ. Bombay*
Nat. Hist. Soc. 37 : 917-941 (This is a series, which later on
 was published under the general title 'The Medicinal and
 Poisonous Plants of India'; in all 23 parts were published in
 the same journal).

- IND 155 Caius, J.F., Radha, K.S. & Mahskar, K.S. 1930
Therapeutic Notes on some Plants Used Medically in India.
Bombay.
- IND 156 Calder, C.C. 1919
The Species of *Oxalis* now wild in India and a new Indian
Vernonia. *Rec. Bot. Surv. India* 6 (8) : 325-341.
- IND 157 Calder, C.C. 1937
An outline of the vegetation of India—in S.L. Hora ed., '*An
outline of the field sciences in India*', Calcutta.
- IND 158 Calder, C.C., Narayanaswami, V. & Ramaswami, M.S. 1926
List of species and genera of Indian phanerogams not inclu-
ded in Sir J.D. Hooker's Flora of British India (1904-1924).
Rec. Bot. Surv. India 11 : 1-157.
- IND 159 Camp, W.H. 1946
Distribution patterns of modern plants and the problems of
ancient dispersals. *Ecol. Monogr.* 17 : 159-183.
- IND 160 Chakravarti, S.C. 1963
Weed control in India. *Indian Agric.* 7 : 23-58.
- IND 161 Chakravarti, R.K. 1968
Weeds and weed control. *Journ. Sci. Cf. Calcutta*, 21 : 62-75.
- IND 162 Chakravarty, H.L. & Hore, D.K. 1979
Role of seed structure in cucurbit classification. *Indian Journ.
Forestry* 2 (4) : 323-329. Enumeration, key with special
reference to seed structure.
- IND 163 Champion, H.G. 1920
Geology and Forest distribution. *Indian Forester* 46 : 152-154.
- IND 164 Champion, H.G. 1936
Forest types in India and Burma. *Indian Forest Record, N.S.
Silvicult.* 1 : 1.

- IND 165 Champion, H.G. 1936
A preliminary survey of the forest types of India and Burma. *Indian Forest Record*, N.S. 1 (1) : map. ix, 1-286, i-vii, tt. 1-38.
- IND 166 Champion, H.G. 1939
The relative stability of Indian vegetational types. *Journ Indian Bot. Soc.* 18 : 1-12.
- IND 167 Champion, H.G. 1939
The relative stability of Indian vegetational types. *Indian Forester* 65 : 511-523.
- IND 168 Champion, H.G. 1961
A preliminary survey of the Forest Types of India. *Indian Forest Record* 1 (1) : 1-204.
- IND 169 Champion, H.G. & Seth, S.K. 1964
A revised survey of the forest types of India. Publication copy issued by the President, F.R.I. and Colleges, Dehra Dun.
- IND 170 Champion, H.G. & Seth, S.K. 1968
A revised survey of the forest types of India, pp. xxv + 404, pl. 103, map. 7. Manager of Publication, Delhi. Floristics in various types of forests in India.
- IND 171 Chapman, V.J. 1970
Mangrove phytosociology. *Trop. Ecol.* 11 : 1-19. fig. 4, floristics.
- IND 172 Chandrabose, M. & Chandrasekaran, V. 1981
Hitherto undescribed flowers of *Sonerila pulneyensis* Gamble (Melastomataceae). *Journ. Econ. Tax. Bot.* 2 : 243-244.
- IND 173 Chatterjee, D. 1939
Studies on the endemic flora of India and Burma. *Journ. Asiat Soc. Bengal* 11, 5 (3) : 19-67, maps 11.
- IND 174 Chatterjee, D. 1946
New Records of plants from India and Burma. *Key Bull.* 1946 : 49-50.

- IND 175 Chatterjee, D. 1948
A modified key and enumeration of the species of *Oryza* Linn. *Indian Journ. Agric. Sci.* 18 : 185-192.
- IND 176 Chatterjee, D. 1948
New plants from India and Burma. *Kew Bull.* 1948 : 57-65, 373-374.
- IND 177 Chatterjee, D. 1949
New records of plants from India and Burma. *Kew Bull.* 1949 : 563-564.
- IND 178 Chatterjee, D. 1957
The nature and distribution of the mangrove plants. *Symp. Mangr. For. Calcutta.* 5-7.
- IND 179 Chatterjee, D. 1957
'Plant geography and taxonomy' in G.P. Majumdar ed. *Progress of Science in India-VI. Bombay*, 64-70.
- IND 180 Chatterjee, D. 1958
Symposium on mangrove vegetation. *Sci. & Cult.* 23 : 329-335.
- IND 181 Chatterjee, D. 1962
Floristic patterns of Indian vegetation; In Maheshwari, p. ed. *Proc. Summ. Sch. Botany, Darjeeling* 32-42, fig. 4.
- IND 182 Chatterjee, D. & Mukerjee, S.K. 1940
Some new plants from India and Burma. *Journ. Indian Bot. Soc.* 19 : 77-89, ff. 1-7.
- IND 183 Chatterjee, D. & Randhawa, G.S. 1952
Standardized names of cultivated plants in India. *Indian Journ. Hort.* 9 : 24-36, 64-84.
- IND 184 Chatterjee, R. 1953
Studies in Indian Berberidaceae from botanical, chemical and pharmaceutical aspects. Delhi. iv+86 p.

- IND 185 Cheema, G.S. et al. 1954
Commercial fruits of India : with special reference to Western India. Calcutta. 4-22 p.
- IND 186 Chopra, I.C. & Handa, K.L. 1961
Review of research on Indian medicinal plants and allied plants. New Delhi. 60 p.
- IND 187 Chopra, P. 1964
On an Indian border. Bombay. viii+140 p.
- IND 188 Chopra, R.N. 1932
Medicinal and economic aspects of some Indian medicinal plants. Patna. viii+412 p.
- IND 189 Chopra, R.N. 1936
(A) handbook of tropical therapeutics. Calcutta. xxxi+1744 p.
- IND 190 Chopra, R.N., Bhadwar, R.L. & Ghosh, S. 1949
The poisonous plants of India. New Delhi. liv+762 p.
- IND 191 Chopra, R.N. & Chopra, I.C. 1955
Review of the work on Indian medicinal plants. New Delhi. 11+263 p.
- IND 192 Chopra, R.N., Chopra, I.C., Handa, K.L. & Kapur, L.D. 1958
Indigenous drugs of India. Calcutta. 2nd ed. xxxii+816 p.
- IND 193 Chopra, R.N., Chopra I.C. & Verma, B.S. 1969
Supplement to Indian medicinal Plants, New Delhi.
- IND 194 Chopra, R.N., Nayar, S.L. & Chopra, I.C. 1956
Glossary of Indian Medicinal Plants. New Delhi. xx+329 p.
- IND 195 Choudhury, A.K. 1972
Controversial Mikania (Climber), a threat to the forests and agriculture. *Indian Forester* 98 (3) : 178-186.

- IND 196 Choudhury, S. 1941
The Control of Weeds. *Indian Forester* 47 (4) : 265-281.
Discussion.
- IND 197 Chowdhury, K.A. & Ghosh, S.S. 1958
Indian Woods: Their identifications, properties and uses. Delhi.
liii+304 p. map, tab., plates.
- IND 198 Chowdhury, N.C. 1983
Jute and substitutes. Calcutta. xii+249 p.
- IND 199 Clarke, C.B. 1884
On the Indian species of *Cyperus* ; with remarks on some
others that specially illustrate the subdivisions of the genus.
Journ. Linn. Soc. Bot. 21 : 1-202, tt. 1-4.
- IND 200 Clarke, C.B. 1898
On the subareas of British India : illustrated by the detailed
distribution of the Cyperaceae in that Empire. *Journ. Linn.
Soc. (Bot.)* 34 : 1-146.
- IND 201 Clarke, C.B. 1909
Illustrations of Cyperaceae. London. vi + 6 p.
- IND 202 Clusius, C. 1567
Aromatum et simplicium aliquot medicamentorum apud
Indos nascentium historia; ante biennium quidem Lusitanica
lingua per diálogos conscripta, D. Garcia ab Horto, progreis
Indiac medico, auctore ; nuncvero primum latina facta et in
epitomen contracta a Carolo Clusio Atrebate, Antwerp, 302
ilius.
- IND 203 Colthurst, I. 1927
Familiar Flowering Trees in India. With sixty-one illustrations
from photographs in colour and half-tone. Calcutta. (Second
Edition). 154 p.
- IND 204 Cooke, M.C. 1876
*Report on the oil seeds and oils in the Indian Museum or
produced in India*. London. 85 p.

- IND 205 Cowan, D.V. 1950
Flowering Trees and shrubs of India, Bombay, xvi + 112 p.
- IND 206 Croizat, L. 1963
The biogeography of India : a note of some of its fundamentals. *Proc. Symp. Recent Adv. Trop. Ecology, Varanasi, India. Part II*, pp. 544-590.
- IND 207 Dabodghao, P.M. & Shankararayan, K.A. 1973
The Grass Cover of India. pp. xii + 713. ICAR, New Delhi.
- IND 208 Daiya, K. S., Sen, D.N. & Chohan, D.D. 1973
Ecology of Indian arid zone weeds-VI. Phyla nodiflora (L.) Greene. Geobios 5 (6) : 270-272.
- IND 209 Dakshini, K.M.M. & Sabina, C.A. 1981
Ecological strategies of the weed *Pluchea lanceolata* (DC.) C.B. Clarke (Asteraceae). *Proc. Indian Natn. Sci. Acad.* 47 B (C) : 907-911.
- IND 210 Dalgado, D.G. 1894
"Classificacao Botanica das Plantas Descritas nos 'Coloquios da India' de Garcia d'orta" Bombay.
- IND 211 Dalgado, D.G. 1896
Vires plantarum Malabaricarum et Virtudes das plantas do Malabar. Goa. 259 p.
- IND 212 D' Almeida, J.F.R. & Ramaswamy, C.S. 1948
Contribution to the study of the ecological anatomy of the Indian Cyperaceae. Bombay. ii + 80 p.
- IND 213 Dalzell, N.A. 1889
The Natural History and Biology of the Teak Tree, Bombay.
- IND 214 Daulid, P., Panigrahi, G. & Viswanathan, M.V. 1981
A note on *Isotoma longiflora* (L.) Presl. (Campanulaceae) in India. *Indian Journ. Forestry* 4 (2) : 151-152.
- IND 215 Daniel, P. & Chowdhery, H.J. 1979
The double coconut or Coco-de-Mer. *Sci. Reporter* 18 (8) : 480-482.

- IND 216 Das, A.R. (1969) 1971
 Author and subject catalogue of the botanical and allied articles published in the periodicals of the Asiatic Society of Bengal, 1788-1967. *Journ. Asiat. Soc. Calcutta*: 14 : 42-62.
- IND 217 Das, A.R. 1976
 Author's Catalogue of the botanical articles published in the Journal of the Bombay Natural History Society (Vol.1-66, 1886-1969). *Journ. Bombay Nat. Hist. Soc.* 73 : 98-120.
- IND 218 Das, A.R. et al. 1967-1969
 Union Catalogue of the books in the Libraries of the Botanical Survey of India. 3 vols.
- IND 219 Das, S.J. & Jain, S.K. 1980
 Fascicles of Flora of India. Fasc. 5. Orchidaceae : genus *Coelogyne*. Botanical Survey of India, Howrah. 1-33, pl. 2, figs. 18.
- IND 220 Das, S.J. & Jain, S.K. 1976
 A note on Coelogyne in Indian Region. *Amer. Orch. Soc. Bull.* 45 : 510-513.
- IND 221 Dastur, J.F. 1951
Medicinal plants of India and Pakistan. Bombay. vi + 212 p.
- IND 222 Dastur, J.F. 1951
Useful plants of India and Pakistan. D.B. Taraporewalla Sons & Co. Ltd. Bombay. vi + 260 p.
- IND 223 Dastur, R.H. et al. (n.d.)
 Cotton in India ; a monograph. Bombay. vols. 1-4, illus. maps, Pl. tabs, Chart.
- IND 224 Datar, B.N. 1961
Himalayan Pilgrimage. Delhi. x + 103 p.
- IND 225 Datar, R. & Vartak, V.D. 1976
 Taxonomic study of the genera *Lipocarpha* R. Br. and *Bulbostylis* Kunth, from India-II. *Journ. Univ. Poona* 48 : 19-32.
- IND 226 Datta, N.B. 1928
Commercial drugs in India. Calcutta. vii + 256 p.

- IND 227 Datta, R.N. *comp.* (n.d.)
Indian forest and forest products terminology. Delhi. [n.d.].
 iv + 125-215 p.
- IND 228 Davis, T.A., Anandan, A.P. & Menon, K.P.V. 1954
 Hermaphroditism in *Cocos nucifera*. *Indian Coco. Journ.* 7 :
 133-142.
- IND 229 De, S.N. 1952
 Plant Introduction : Its Utility and its Relation to the Economic Structure of India, Calcutta.
- IND 230 Deb, D.B. 1965
 Plants new to India *Indian Forester* 91 : 193-194.
- IND 231 Deb, D.B. (1975) 1976
 A study on the aquatic vascular plants of India. *Bull. Bot. Soc. Bengal* 29 : 155-170, fig. 2, tab. 6. Assessment of Indian aquatic vascular plants : enum. 144 spp. ; statewise distr.
- IND 232 Deb, D.B. & Dasgupta, S. 1981
 Fascicles of Flora of India. Fasc. 7. Liliaceae, tribe-Scilleae. Botanical Survey of India, Howrah. 1-33, figs. 51. Revision.
- IND 233 Debnath, H.S. & Nayar, M.P. (1980) 1982
 On monstrosity in *Argemone mexicana* L. (Papaveraceae) *Bull. Bot. Surv. India* 22 (1-4) : 180-181.
- IND 234 Decaisne, J. 1844
 Plantae rariores quas in India orientali collegit Victor Jacquemont. In V. Jacquemont's Voyage dans l'Inde 4 : 57-183.
- IND 235 Dey, K.L. 1973
Indigenous Drugs of India. (Second Edition). Pama Pramlane, the Chronica Botanica, New Delhi.
- IND 236 Dhar, M.L., Dhar, M.M., Dhawan, B.N., Mehrotra, B.N. & Roy, C. 1968.
 Screening of Indian Plants for biological activity : Part-I. *Indian Journ. Exp. Biol.* 6 : 232-247.
- IND 237 Dhar, M.L., Dhar, M.M., Srimal, R.C. & Tandon, J.S. 1973
 Screening of Indian Plants for biological activity : Part-IV. *Indian Journ. Exp. Biol.* 6 : 43-54.

- IND 238 Dhawan, B.N., Patnaik, G.K., Rastogi, R.P., Singh, K.K. & Tandon, J.S. 1977

Screening of Indian Plants for biological activity : Part-VI.
Indian Journ. Exp. Biol. 15 : 208-219.

- IND 239 Dixit, S.C. (1971) 1972

Review of the Indian Marine Angiosperms. *Journ. Univ. Bombay* 40 : 60-71.

- IND 240 Dixit, S.N. & Siddiqui, M.O. 1966

Cardonthera pinnatifida Benth. a new record for Northern India. *Indian Forester* 92 : 739-741., fig. 5.

- IND 241 Don, D. 1825

Prodromus florae Nepalensis sive enumeratio vegetabilium, quae in itinere per Nepaliam proper dictam et regiones conterminas, ann 1802-03 detexit atque legit D.D. Franciscus Hamilton (olim Buchanan) M.D. Accedunt plantae a D. Wallich nuperius missae, secundum methodi naturalis normam disposuit atque descripti David Don.....London xii + 256 p.

- IND 242 Dutta, A. & Ansari, A.A. (1979) 1981

Cuscuta campestris Yuncker (Cuscutaceae), a new pest of economic crops in India-its distributional and host record. *Bull. Bot. Surv. India* 21 (1-4) : 202-203.

- IND 243 Drury, H. 1858

The Useful Plants of India Alphabetically Arranged with Botanical Descriptions, Vernacular Synonyms, and Notices of Their Economical Value in Commerce, Medicine, and the Arts, Madras. (Second edit., Madras and London, 1873). xvi+512 p.

- IND 244 Drury, H. 1864-69

Hand-book of the Indian Flora : being a guide to all the flowering hitherto described as indigenous to the continent of India, Travancore and London, 3 Vols.

- IND 245 Drury, H. 1884

A Supplement to Drury's Useful Plants of India, Madras.

IND 246 Dufrene, H. 1887

La flora Sanscrite, Essai d'explication des noms sanscrits servant a' designer les principales plantes de l'inde d'apres leur etymologie, Paris.

IND 247 Duthie, J.F., King, G.& Prain, D. 1901

A Second century of new and rare Indian Plants. *Ann. R. Bot. Gdns.*, Calcutta 9 : 1-80, ff. 1-93.

IND 248 Edgeworth, M.P. 1847

Description of a new genus of Lentibulariae with remarks on some Indian species of *Utricularia*. *Proc. Linn. Soc.* 1 : 351-353.

IND 249 Edgeworth, M.P. 1862

Florula Mallica. *Journ. and Proc. Linn. Soc. (Bot.)*, 6 : 179-210, t.1.

IND 250 Ellis, J.L. (1980) 1982

Nomenclatural notes on *Justicia simplex* D. Don. *Bull. Bot. Surv. India* 22 (1-4) : 195-197.

IND 251 Ellis, J.L. & Swaminathan, M.S. 1969

Notes on some interesting plants from South India. *Journ. Bombay Nat. Hist. Soc.* 66 : 233-234.

IND 252 Fernandez, R.R. 1968

Nomenclatural notes on Indian plants I, *Indian Forester* 94 : 479-480, 4 name changes/3 fam., 1 comb. nov.

IND 253 Fischer, C.E.C. 1907

Summary of genera and species described in the Flora of British India. *Indian Forester* 33 : 355-362.

IND 254 Fischer, C.E.C. 1921

Scoparia dulcis Linn. *Journ. Indian Bot.* 2 : 57.

IND 255 Fischer, C.E.C. 1932

Scoparia dulcis Linn. *Journ. Ind. Bot.* 11 : 343.

IND 256 Fyson, P. F. 1919

Acacia planifrons W. & A. *Bot. Bull. Presidency College, Madras.* pp. 4-5.

- IND 257 Fyson, P.F. 1919
Indian species of *Eriocaulon*. *Journ. Indian. Bot. Soc.* 1 : 49-53.
- IND 258 Fyson, P.F. 1921
Indian species of *Eriocaulon*. *Journ. Indian. Bot. Soc.* 2 : 307-320.
- IND 259 Gadgil, M. & Vartak, V.D. (1975) 1976
Sacred groves of India—a plea for continued conservation. *Journ. Bombay Nat. Hist. Soc.* 72 : 314-320, pl. 1. discussion, record of dominant spp.
- IND 260 Gage, A.T. 1903
Census of the Indian Polygonums. *Rec. Bot. Surv. India* 2 (S) : 371-452.
- IND 261 Gamble, J.S. 1881
A Manual of Indian Timbers : An account of the structure, Growth, Distribution and Qualities of Indian Woods, Calcutta (Second ed., London, 1902; reprinted second ed., London 1922). 868 p.
- IND 262 Gamble, J.S. 1885
An excursion to Sukmanri Hills. *Indian Forester* 11 : 229-33, map.
- IND 263 Gamble, J.S. 1896
Bambuseae of British India. *Ann. Roy. Bot. Gard. Calcutta* 7 : 1-133, t. 1-119.
- IND 264 Gamble, J.S. 1918
XXX—Decades Kewense, Plantarum Novarum in Herbario Horti Regii Conservatarum. Decas XCI. *Kew Bull.* 1918 : 239.
- IND 265 Gandhi, S.R. 1957
Banana in India. New Delhi, 36 p.
- IND 266 Gandhi, S.R. 1957
Papaya in India. New Delhi. 26 p.

- IND 267 Gates, R.R. 1942
Some impressions of a Botanist in India. 150th Ann. Vol. Roy. Bot. Gard. Calcutta 43-48. Notes on vegetation.
- IND 268 Ghosh, B. N. 1955
Economic and Poisonous Orchids. *Journ. Bengal Nat. Hist. Soc.* 27 : 99-103
- IND 269 Ghosh, A. 1912
Romance of Plants. Calcutta 53 p.
- IND 270 Ghosh, A.K. 1947
William Carey (1761-1834). *Sci. & Cult.* 13 : 218-225.
- IND 271 Ghosh, J.C.
Indigenous drugs of India. Calcutta xvi+143 p.
- IND 272 Ghosh, R.B. 1970
On a newly recorded host species of *Dendrophoe falcata* (L.f.) Ettingsh. *Journ. Bombay Nat. Hist. Soc.* 67 (2) : 354.
- IND 273 Ghosh, R.B. 1977
Sixth list of genera and species of angiosperms not included in the Flora of British India. *Bull. Bot. Soc. Bengal* 31 (1&2) : 84-89.
- IND 274 Ghosh, R.B. & Banerjee, R.N. 1976
A note on *Enkianthus himalaicus* Hook. f. et Thoms. (Ericaceae). *Journ. Bombay Nat. Hist. Soc.* 73 (2) : 431.
- IND 275 Ghosh, R.B. & Maiti, G.G. 1979
Primula melanodonta W.W. Sm.—a new entrant to the Indian flora. *Geobios* 6 (1) : 43-44.
- IND 276 Ghosh, R.B., Sikdar, J.K. & Panigrahi, G. 1982
An index to the Wallichian sheets held in CAL—The family Bixaceae Link to the Connaraceae R. Br. *Indian Journ. Forestry* 5 (1) : 29-34.
- IND 277 Ghosh, R.C. 1977
Sandal wood seminar (Feb. 1977). *Indian Forester* 103 (5) : 359-366.

- IND 278 Ghosh, R.C. & Kaul, O.N. 1977
Nature Reserves in India. *Indian Forester* 103 (8) : 497-512.
- IND 279 Ghosh, R.L.M. et al. 1960
Rice in India. New Delhi. xii+474 p.
- IND 280 Ghouse, A.K.M. & Zaidi, S.H. 1982
A preliminary study on the classification of some exotic *Eucalyptus* species on the basis of foliar morphology and stomatal characteristics. *Indian Journ. Forestry* 5 (1) : 47-49.
- IND 281 Gibson, A. 1863
Jungle Timbers : being a commentary on and expansion of the list of timber trees, by Dr. Wight...now enlarged by Surgeon Alexander Gibson...(In Handbook, pp. 1-47).
- IND 282 Goel, A.K. & Bhattacharyya, U.C. 1981
A note on some plants found effective in treatment of Jaundice (Hepatitis). *Journ. Econ. Tax. Bot.* 2 : 157-159.
- IND 283 Good, R. 1953
The Geography of Flowering Plants. London.
- IND 284 Gopala Rao, T. 1948
A note on the occurrence of a hermaphrodite flower in Coconut (*Cocos nucifera*). *Journ. Indian Bot. Soc.* 27 : 208-211.
- IND 285 Govindarajalu, E. 1972
Studies in Cyperaceae-IV. Notes on *Scleria rugosa* R. Br. and its complex. *Journ. Bombay Nat. Hist. Soc.* 69 (1) : 246-249.
- IND 286 Govindarajalu, E. 1972
Studies in Cyperaceae-V. Novelties in *Fimbristylis* (L.) Vahl. *Journ. Bombay Nat. Hist. Soc.* 69 (1) : 158-164. 3 new species described.
- IND 287 Govindu, H.C. 1950
Study of weeds in our farm lands. *Journ. Mysore Univ.* 26 (3 & 4) : 54-56.
- IND 288 Gravely, F.H. & Mayuranathan, P.V. 1931
Indian species of the genus *Ceralluma* (Fam. Asclepiadaceae). Madras. 28 p.

- IND 289 Griffith, W. 1847-54
Icones plantarum Asiaticarum, Calcutta. pt. 1-4.
- IND 290 Griffith, W. 1847-54
Notulae ad plantas Asiaticas. Calcutta. Vol. 1-4.
- IND 291 Griffith, W. 1850
Palms of British East India. Calcutta xvi + 174 + xxvii p.
- IND 292 Groves, B. 1889
Indian conservatory and guide to orchid growing. Calcutta.
 x + 72 p.
- IND 293 Guha Bakshi, D.N. & Roychoudhury, K.N. 1972
 Contribution to the Indian Medicinal plants used in Homoeo-
 pathy. *Bull. Bot. Soc. Bengal* 26 : 25-29.
- IND 294 Guha Bakshi, D.N., Sen, S. & Lahiri, J. 1976
 A note on the halophytes in India. *Bull. Bot. Soc. Bengal* 30
 (1&2) : 117-119. Name list, mangroves, beach and weed
 mixed.
- IND 295 Guha Bakshi, D.N., Biswas, S. & Maiti, G.G. 1982
Berberidaceae. *Journ. Econ. Tax. Bot.* 3 : 141-150.
- IND 396 Guhathakurata, P. & Ghosh, P.C. 1972
Ailanthus grandis Prain, its prospects in Forestry. *Indian
 Forester* 98 : 261-270.
- IND 297 Gupta, B.K. & Jaffer, R. 1982
 On the rarity and identity of some Indian species of the genus
Cymbopogon. *Indian Journ. Forestry* 5 (1) : 73-74.
- IND 298 Gupta, B.L. 1919
 New Indian species of forest importance. *Indian Forester* 45 :
 338-391.
- IND 290 Gupta, B.L. 1922
 New Indian species of forest importance. *Indian Forester* 48 :
 247-258.

- IND 300 Gupta, B.L. 1933
Contribution to the life history of *Potamogeton crispus* L.
Agra.
- IND 301 Gupta, B.L. & Parker, R.N. 1924
New Indian species of forest importance. *Indian Forester* 50 :
572-587.
- IND 302 Gupta, R. 1968
Cultivation of *Belladonna* in India. *Indian Drugs & Pharm.
Industry* 3(5) : 29-34.
- IND 303 Gupta, Rita & Mukherjee, P.K. 1970
Field identification of *Tephrosia* Pers. *Journ. Bombay Nat.
Hist. Soc.* 67(1) : 135.
- IND 304 Gupta, R.K. 1966
Contribution to the bibliography of Himalayan Botany I.
Himal. Mount. Journ. 1 : 77-98
- IND 305 Gupta, R.K. 1981
Tannin bearing plants of India from denuded waterlands.
Journ. Econ. Tax. Bot. 2 : 139-155.
- IND 306 Gupta, R.K. & Kanodia, K.C. 1961
Plant used during scarcity and famine in dry regions of India.
Journ. Agri. Trop. Bot. Appliq. 15 : 247-288.
- IND 307 Gupta, R.K. & Shankarnarayan, K.A. 1962
Ecological status of the grasslands in South India. *Trop.
Ecol.* 3 : 75-78.
- IND 308 Gupta, R.S. & Singh, J.S. 1978
Decomposition of litter in tropical grassland. *Pedobiologia*
17 : 330-333.
- IND 309 Hakimuddin, M. 1940
The National Wealth of the Forests. *Indian Forester* 46(12) :
724-732. Discussion on utility of the forests.
- IND 310 Hamilton, W. 1815
The East India Gazetteer. London. xv+862 p. (2 vols., 1928).

IND 311 Hamilton, F. (Buchanan) 1827

Description of a plant *Beta bengalensis* used in Bengal as a green vegetable (Olus) and of another nearly allied to it. *Edinburgh Journ. Sci.* 7 : 244.

IND 312 Haridasan, V.K. & Mukherjee, P.K. 1982

Phytogeographical notes on the Indian Campanulaceae. *Journ. Econ. Tax. Bot.* 3(3) : 739-749.

IND 313 Harlan, J.R. 1965

The possible role of weed races in the evolution of plants. *Euphytica* 14 : 173-176.

IND 314 Harlan, R.J. & De Wet, J.M.J. 1965

Some thoughts about weeds. *Econ. Bot.* 19(1) : 16-24.

IND 315 Hasskarl, J.C. 1867

Horti malabarici rheediani clavis locupletissima, Dresden.

IND 316 Hasskarl, J.K. (C) 1870

Commelinaceae Indicae, Imprimis Archipelagi Indici. Vindobonae. 184 p.

IND 317 Hayes, W.B. 1960

Fruit growing in India. Allahabad. 512 p.

IND 318 Hemadri, K. 1968

New and interesting plant records. *Indian Forester* 94 : 808-811.

IND 319 Hemadri, K. 1971

Two new species of Fabaceae from India. *Indian Forester* 97 : 65-69, figs. 8. 2 spp. of *Alysicarpus*.

IND 320 Henderson, G. 1873

Catalogue of plants in the Royal Botanic Garden, Calcutta. Calcutta. 76 p.

IND 321 Henry, A.N. (1967) 1968

Nomenclatural changes in Indian plants. *Bull. Bot. Surv. India* 9 : 290. 6 name changes ; 3 comb. nov.

- IND 322 Henry, A.N. & Roy, B. (1968) 1959
Nomenclatural notes on Indian flowering plants. *Bull. Bot. Surv. India* 10 : 274-276. 24 name changes ; 1 nom. nov., 4 comb. nov.
- IND 323 Henry, A.N., Vivekananthan, K. & Nair, N.C. 1979
Rare and threatened flowering plants of South India. *Journ. Bombay Nat. Hist. Soc.* 75 : 684-697. Catalogue of 224 spp.
- IND 324 Hewetson, C.E. 1952
Systematic and ecology of Indian plants or what can we demand of a modern flora. *Journ. Bombay Nat. Hist. Soc.* 51(1) : 140-144.
- IND 325 Heyne, B. 1814
Tracts, historical and statistical on India : with journals of several tours through parts of the peninsula. 1-462. London.
- IND 326 Hodgson, R.E. (ed.) 1961
Germplasm resources. Delhi.
- IND 327 Hoenle, A.F.R. 1907
Studies in the medicine of ancient India. Oxford. x+252 p.
- IND 328 Hofmeister, W. 1848
Travels in Ceylon and continental India including Nepal and other parts of Himalayas to the Borders of Tibet, with appendices, Edinburgh (Append. 2 : on the vegetation of the Himalayan Mountains). xii+528 p.
- IND 329 Hole, R.S. 1913
New Indian species of forest importance. *Indian Forester* 39 : 413-420.
- IND 330 Hole, R.S. 1917
Indian species of *Grewia* of forests importance. *Indian Forester* 43 : 312-317.
- IND 331 Hole, R.S. 1930
Manual of botany for Indian forest students, Calcutta. x+209+xix p.

IND 332 Hooker, J.D. 1948

Botanical mission to India. *Hook. London Journ. Bot.* 7 : 237-68, 297-321.

IND 333 Hooker, J.D. 1849-1850

Botanical mission to India. *Hook. Kew Journ. Bot.* 1 : 1-14, 41-56, 81-89, 113-120, 129-136, 161-175, 226-33, 274-82, 301-8, 331-36, 337-44, 361-70. 1849. 2 : 11-23, 52-59, 88-91, 112-18, 145-51, 161-73, 213-18, 244-49. 1850.

IND 334 Hooker, J.D. 1864

Himalayan Journals. 2 vols. London.

IND 335 Hooker, J.D. 1894

Supplementary note to the Flora of British India. *Kew Bull.* 1894 : 200-206.

IND 336 Hooker, J.D. 1872-97

Flora of British India. Vols. 1-7. London. Assisted by various botanists.

IND 337 Hooker, J.D. 1904

Sketch of the Flora of British India, London. (This is an advance copy of the Imperial Gazette. India). 55 p.

IND 338 Hooker, J.D. 1907

Botany of British India. *Imperial Gazette. India*, ed. 3, vol. 1. Chapter 4, pp. 157-212.

IND 339 Hooker, J.D. & Thomson, T. 1855

Flora Indica : being a systematic account of the plants of British India, together with observations on the structure and affinities of their natural orders and genera, London. Vol. 1.

IND 340 Hooker, J.D. & Thomson, T. 1857-61.

Præcursores ad Floram Indicam : being sketches of the natural families of Indian plants, with remarks on their distribution, structures and affinities. *Journ. Linn. Soc (Bot)* 2 : 1-29, 54-103. 1857 ; 3 : 163-10. 1858 ; 4 : 106-57. 1859 ; 5 : 128-81. 1861.

- IND 341 Howard, A. & Howard, G.C. 1909
Wheat in India. Calcutta. viii+288.
- IND 342 Hunt, P.F. 1970
Notes on Asiatic Orchids : V. *Kew Bull.* 24 : 75-100.
- IND 343 Indar, R.W. 1933
Plants in flower, December to March. *Journ. Sind. Nat. Hist. Soc.* 1(3) : 1-28.
- IND 344 Jacob, K.C. 1948
A new species of *Cordia*. *Journ. Bombay Nat. Hist. Soc.* 45 : 78.
- IND 345 Jacquemont, V. 1834
Letters from India : describing a journey in the British Dominions of India, Tibet, Lahore and Cashmere, during the years 1828, 1829, 1830, 1831, London. 2 vols.
- IND 346 Jacquemont, V. 1841-44
Voyage dans l'Inde... pendant les années 1828 à 1832..., Paris. 4 vols. text ; 2 vols., atlas.
- IND 347 Jacquemont, V. & Merimee, P. 1867
Correspondence inédite de Victor Jacquemont avec sa famille et ses amis 1824-32. Précédée d'une notice biographique par V. Jacquemont neveu et d'une introduction par Prosper Mérimée, Paris.
- IND 348 Jain, D.K. & Singh, V. 1979
Studies in Bignoniaceae-VI. *Proc. Indian Acad. Sci.* 88B Part II (5) : 379-390.
- IND 349 Jain, N.K. 1974
Patterns of Area Change in Open Grasslands During Rainy Season. *Journ. Indian Bot. Soc.* 53(1 & 2) : 34-40.
- IND 350 Jain, S.K. 1939
The montane evergreen forest. *Indian Forester* 64 : 312-323
- IND 351 Jain, S.K. 1961
A contribution to the bibliography of Gramineae. *Proc. Nat. Acad. Sci. India* B31(III) : 361-382.

IND 352 Jain, S.K. 1966a

Notes on Indian Grasses I. Distribution of two less known species of *Cynodon* Rich. *Indian Forester* 92 : 201-202.

IND 353 Jain, S.K. 1966b

Notes on Indian Grasses III. A new form of *Cynodon barberi* Rang. et. Tad. *Indian Forester* 92 : 699-700.

IND 354 Jain, S.K. 1966c

Notes on Indian Grasses V. *Keri* 19 : 39-41 (in Hindi).

IND 355 Jain, S.K. 1968

Medicinal plants. pp. xii + 176, photo. 42, fig. 26. National Book Trust, New Delhi, India. Descr. of spp., distr., Indian Names, medicinal properties & uses.

IND 356 Jain, S.K. 1970

The genus *Manisuris* Linn. (Poaceae) in India. *Bull. Bot. Surv. India* 12 : 6-17.

IND 357 Jain, S.K. (1970) 1971

A rich but little known collections of Indian plants in USSR. *Journ. Bombay Nat. Hist. Soc.* 67 : 620-622. Collections of Heyne (India Or.), Hohenacher (Pl. India Or., S. India—Nilgiris), Perrottet (Nilgiris), Thomson (Karnataka & Nilgiris), R. Wight (India Or.) in Turczaninow herbarium, Kiev.

IND 358 Jain, S.K. 1971

Arthraxon deccanensis sp. nov. a new grass from India. *Journ. Bombay Nat. Hist. Soc.* 68 : 297-299, pl. 1.

IND 359 Jain, S.K. 1972

The genus *Arthraxon* P. Beauv (Poaceae) in India. *Journ. Indian Bot. Soc.* 51 : 165-183.

IND 360 Jain, S.K. 1978

The practical role of Botanic Gardens in conservation of rare and threatened plants. *Bull. Bot. Surv. India* 20(1-4) : 188-189. On conservation.

IND 361 Jain, S.K. 1981

Conservation of threatened plants in India. *INSSCI Plant conservation Bull.* 1 : 1-13.

- IND 362 Jain, S.K., Banerjee, D.K. & Pal, D.C. (1973) 1976
 Medicinal plants among certain Adibasis in India. *Bull. Bot. Surv. India* 15(1 & 2) : 85-81. Enumeration of 32 spp.
- IND 363 Jain, S.K., Das, Doli & Banerjee, D.K. (1972) 1975
 Further contribution to bibliography of grasses. *Bull. Bot. Surv. India* 14(1-4) : 24-45 (covers the bibliography of grasses published in between 1961-1970. Contains over 700 references)
- IND 364 Jain, S.K. & Hemadri, K. 1971
 A new grass from India. *Arthraxon junnarensis* sp. nov. *Journ. Bombay Nat. Hist. Soc.* 68 : 300-301, pl. 1.
- IND 365 Jain, S.K. Mudgal, V. Banerjee, D.K. Guha, A., Pal, D. C. & Das, D. 1964.
Bibliography of Ethnobotany: Botanical Survey of India, Howrah. i--iii+ 1-157
- IND 366 Jain, S.K. & Rao, R.R. 1976
 Handbook of field and herbarium methods, New Delhi.
- IND 367 Jain, S.K. & Sastry, A.R.K. 1980
 Threatened plants of India - A state-of art-report. Howrah.
- IND 368 Jain, S.K. & Sastry, A.R.K. 1982
 Threatened plants and habitats a review of work in India. POSSCEF Plants Conservation Bull. 2 : 1-9.
- IND 369 Jain, S.K. & Tarafdar, C.R. 1970
 Medicinal plants-lore of Santals (A revival of B.O.Bodding's work). *Econ. Bot.* 24 : 241-278.
- IND 370 Janaki Ammal, E.K. 1961
 The genetic pattern in the distribution of some Indian plants. *Mem. Indian Bot. Soc.* 3 : 1-4, fig. 2. Discussion.
- IND 371 Janaki Ammal, E.K. 1978
 Ethnobotany - Past and Present. *Journ. Indian Bot. Soc.* 57 (Suppl.) : 60-61.

IND 372 Janaki Ammal, E.K. & Gupta, B.K. 1978

The aromatic grasses of India an appraisal. *Indian Journ. Forestry* 1(1) : 19-21.

IND 373 Janardhanan, K.P. & Tewary, P.K. 1982

A note on endemism in Dipterocarpaceae with special reference to the Indian Flora. *Journ. Econ. Tax. Bot.* 3 (2) : 487-490. Introduction & Enum. of spp.

IND 374 Jones, W. 1790

The design of a treatise on the plants of India. *Asiat. Res.* 2 : 345-352.

IND 375 Joseph, J. 1977

Quest of medicinal plants and re-establishment of their medicinal virtues. In : Atal, C.K. & Kapru, B.M. (Eds.) *Cultivation & Utilization of medicinal and aromatic plants* 454-461. Discussion, enumeration of 21 spp. Sanskrit name, med. uses and distribution.

IND 376 Joshi, A.B. 1961

Sesamum. Hyderabad. 109 p.

IND 377 Joshi, A.C. 1949

Botany in India : present position and prospects. *Sci. & Cult.* 14 : 395-401.

IND 378 Joshi, A.C. 1949

Botany in India : present position and prospects. *Journ. Indian Bot. Soc.* 28 : 1-15.

IND 379 Jouget, H. 1928

Weeds of the Indian waywide. *Journ. Bombay Nat. Hist. Soc.* 32 : 810-812.

IND 380 Kunjilal, U. 1901

Forest Flora of the School Circle. Calcutta. (Second ed. 1909). xxii + 390 p.

IND 381 Kingdon-ward, F. 1960

Pilgrimage of Plants. London.

- IND 382 Kanodia, K.C. (1963) 1964
Rumex crispus Linn. a member of polygonaceae new to Indian flora. *Bull. Bot. Surv. India* 5 : 377-379. 9 figs.
- IND 383 Kapoor, L.D., Singh, A., Kappor, S.L. & Srivastva, S.N. 1975
Survey of Indian plants for saponins, alkaloids and flavonoids, IV. *Lloydia* 38 : 221-224.
- IND 384 Kapoor, S.L. 1962
Flowering plants of India. Lucknow. 67 p.
- IND 385 Kapoor, S.L. & Mitra, R. 1979
Herbal drugs in Indian Pharmaceutical Industry. Economic Botany Information Service, National Botanical Research Institute, Lucknow. (Botanical & corresponding English names, uses as drugs.)
- IND 386 Kaul, M.L.H. 1966
Ageratum conyzoides Complex in India. *Proc. Nat. Acad. Sci.* xxxvi : 1 : 5-8.
- IND 387 Kaul, M.L.H. 1972
Studies on *Ageratum conyzoides* Linn. *Journ. Biol. Sci.* 15 (1 & 2) : 26-39.
- IND 388 Kaul, R.N. 1958
An outline of Problems of Arid Zone forestry and Research approach. Proc. II. Sem. Soil Conserv. Ootacamund. 131-133.
- IND 389 Kaul, V. 1967
Distribution and dispersal of *Croton sparsiflorus* Morong. *Journ. Indian Bot. Soc.* 46 : 154-159.
- IND 390 Kaur, H. 1964
Illustrations of Indian Plants, Lucknow.
- IND 391 Kholkute, S.D., Mudgal, V. & Deshpande, P.J. 1976
Screening of indigenous plants for antifertility potentiality. *Planta Medica* 29 (2) : 151-155

- IND 392 King, G. 1891
(The) Magnoliaceae of British India. Calcutta, 197-223p.
- IND 392 King, G. 1895
A brief memoir of W. Roxburgh, author of 'Flora Indica'.
Ann. Roy. Bot. Gard. Calcutta 5 : 1-9.
- IND 394 King, G. 1896
Description of some new Indian trees *Journ. Asiat. Soc. Bengal* (N.S.) II, 65 : 114-117.
- IND 395 Kaul, R.N. & Ganguli, B.N. 1963
Plant introduction in the Arid Zone of India. *Proc. Nation. Acad. Sci.* 33B : 67-68
- IND 396 King, G. 1899
A sketch of the history of Indian Botany. *Rept. Brit. Adv. Sci.* (Dover) 904-919 (also reprinted as 'The early history of Indian Botany', in *Journ. Bot.* 37 : 454-463).
- IND 397 Kirtikar, K.R. 1886
Folklore of Indian Plants. *Journ. Bombay Nat. Hist. Soc.* 3(1) : 54-63.
- IND 398 Kirtikar, K.R. & Basu, B.D. 1933
Indian medicinal plants. 2nd ed. Allahabad. Vol. 1-4.
- IND 399 Koenig, J.G. 1783
Descriptiones Monandrarum pro annis 1778 et 1779 (In : Retz. *Observ. Bot.* 3 : 45-76).
- IND 400 Koenig, J.G. 1791
Descriptiones Epidendrum in India Orientali. factae. (In : Retz. *Observe Bot.* 6 : 41-67).
- IND 401 Korthalli, B.C. (1967) 1968
Notes on Indian Cyperaceae. *Bull. Bot. Surv. India* 9(1-4) : 235-239. Nomenclatural changes of 5 spp., one new rec. for India, 5 new rec. for E. India and one new subsp.
- IND 402 Krishna, S. & Badhwar, R.L. 1947-53
Aromatic plants of India. New Delhi. pt. 1-16.

- IND 403 Kumar, L.S.S. & Solomon, S. 1941
A list of phanerogamic root parasites attacking economic crops in India. *Proc. Indian Acad. Sci.* 13B : 151-156.
- IND 404 Kundu, B.C. et al. 1959
Jute in India. Calcutta. 395 p. plate. illust., tab. chart.
- IND 405 Kurz, S. 1867
Plantae nonnullae novae Indiae orientalis. *Journ. Bot.* 5 : 240-241.
- IND 406 Kurz, S. 1870-1871
On some new or imperfectly known Indian plants. *Journ. Asiat. Soc. Bengal* (N.S.) 39 : 61-91, tt. 5-7, 1870; 40 : 45-78, 1871.
- IND 407 Kurz, S. 1874
Descriptions of a few Indian plants. *Journ. Asiat. Soc. Bengal* (N.S.) 43 : 181-189.
- IND 408 Kurz, S. 1875
Notes on a few new Oaks from India. *Journ. Asiat. Soc. Bengal* (N.S.) 45 : 196-198, tt. 14.
- IND 409 Kurz, S. 1875
Descriptions of new Indian plants. *Journ. Asiat. Soc. Bengal* (N.S.) 45 : 199-206, t. 15.
- IND 410 Lakshmanan, N.K. 1962
The application of Raunkiaer's life-form. *Journ. Indian Bot. Soc.* 41(4) : 585-589.
- IND 411 Lancaster, S.P. 1964
Food plants of India. *Bull. Natn. Bot. Gdn.* Lucknow 99 : 1-43.
- IND 412 Lancaster, S.P. 1965
Sacred plants of Hindus. *Bull. Natn. Bot. Gdn.* Lucknow 113 : 56.

- IND 413 Lecomte, M.H. 1907-1914
 Flore generale de L'Indo-Chine. Paris. Illus. Plate. Vol.1-2
 4-7
- IND 414 Legris, P. 1963
La Vegetation de l'Inde ecologie et flore, Pondicherry, 596pp.
 plate, map.
- IND 415 Legris, P. & Blasco, F. 1969
 Variabilite des facteurs du climat. Inst. fr. Pondichery. *Tarv.
 Sect. Sci. Tech.* 7 : fasc. 1. 94 p. figs. 18.
- IND 416 Legris, P. & Meher-Homji, V.M. 1967
 Vegetation maps of India. *Proc. Symp. Recent Adv. Trop.
 Eco.* 32-41.
- IND 417 Legris, P. & Meher-Homji, V.M. 1968
 Floristic elements in the Vegetation of India. *Proc. Symp.
 Recent Adv. Trop. Ecol.* 2 : 536-543.
- IND 418 Lindley, J. 1859
 Contributions to the Orchidology of India. *Journ. Proc.
 Linn. Soc.* 3 : 1-63.
- IND 419 Lisboa, J.C. 1889
 Short notes on the odoriferous grasses (Andropogons) of India
 and Ceylon, with a description of a supposed new species.
Journ. Bombay Nat. Hist. Soc. 4 : 118-124, t. 1.
- IND 420 Lisboa, J.C. 1891
 A list of the odoriferous grasses of India with a description
 of a new species of *Andropogon*. *Journ. Bombay Nat. Hist.
 Soc.* 6 : 64-71.
- IND 421 Lewis, L. 1878
Familiar Indian Flowers, With coloured plates. London.
- IND 422 Lucas, G. Ll. & Synge, A.H.M. 1977
 The IUCN Threatened Plants Committee and its work
 throughout the World. *Environmental Conservation* 4(3) :
 179-188.

- IND 423 Lushington, A.W. 1902
Identification of Loranthaceae by their leaves *Indian Forester* 28(2) : 58-66.
- IND 424 Mabberley, D.J. 1980
A re-examination of the "Indian Catalogues with particular reference to Hortus Malabaricus". In : *Manila, Botany & History of Hortus Malabaricus* 80-110. An extensive scrutiny. Many new combinations in various families.
- IND 425 Mabberley, D.J. 1982
William Roxburgh's Botanical description of a new species of *Swietenia* (Mahogany) and other overlooked binomials in 36 vascular plant families. *Taxon* 31 (1) : 65-73
- IND 426 Madhavadian, P., Abraham, S. & Ninan, C.A. 1974
Hermaphroditism in Cassava (*Manihot esculenta* Crantz.). *Journ. Bombay Nat. Hist. Soc.* 71(3) : 635-639.
- IND 427 Mahabale, T. 1956
Flora of the Deccan : Past and Present. Presidential address. 53rd Sess' Indian Sci. Congr. Assoc. Chandigarh. 1-30.
- IND 428 Maheshwari, J.K. (1961) 1962
On the identity and nomenclature of some Indian plants. *Bull. Bot. Surv. India* 3 : 91-94. 6 name changes, 2 comb nov.
- IND 429 Maheshwari, J.K. 1962
Studies on the naturalised flora of India. *Proc. Summ. Sch. Botany, Darjeeling* (1960) 156-170. fig. 2, table 1.
- IND 430 Maheshwari, J.K. 1964
Taxonomic studies on Indian Guttiferae II. The genus *Mesua*. Linn. *Bull. Bot. Surv. India* 5(3&4) : 335-343. 3 subspecies and 2 varieties under *M. ferrea* aggregate are recognised from India.
- IND 431 Maheshwari, J.K. (1964) 1965
Alternanthera phloxeroides (Mark.) Griseb.-- a new record for India. *Bull. Bot. Surv. India* 6 : 313-314. figs. 9.

- IND 432 Maheshwari, J.K. 1970
The need for conservation of flora and floral provinces in South East Asia. Proceedings of IUCN Publns. N.S. 18 : 89-94.
- IND 433 Maheshwari, J.K. 1973
Noogoor Burr. (*Xanthium pungens*) in India (Compositae). *Curr. Sci.* 42 : 327-328.
- IND 434 Maheshwari, J.K. 1976
Plant resources of India. *Sci. & Cult.* 42 : 18-23.
- IND 435 Maheshwari, J.K. 1977
Conservation of rare plants—Indian Scene Vis-A-Vis World Scene. *Bull. Bot. Surv. India* 19(1-4) : 167-173.
- IND 436 Maheshwari, J.K. 1981
Taxonomic status of Gaudichaud's genera in the botany of the Voyage of "La Bonite". *Journ. Econ. Tax. Bot.* 2 : 137-138.
- IND 437 Maheshwari, P. & Tandon, S.L. 1959
Agriculture and Economic development in India. *Econ. Bot.* 13 : 205-242.
- IND 438 Maheshwari, P. et al. 1965
Flora. The Gazett. of India. 1 : 163-229.
- IND 439 Maheshwari, P. & Kapil, R.N. 1963
Fifty years of science in India : Progress of Botany. Calcutta. vii + 78 p. figs.
- IND 440 Maheshwari, P., Sengupta, J.C. & Venkatesh, C. S. 1965
Flora. In Gazett. India I. New Delhi.
- IND 441 Maheshwari, P. & Singh, U. 1965
Dictionary of Economic plants in India. pp. 197. ICAR. New Delhi. Ca. 1700 spp., loc. names, parts used., distr.
- IND 442 Mahmood, A.M. & Ponuswamy, P.K. 1982
An innovation in the vegetative propagation of Sandal (*Santalum album* Linn.) *Indian Journ. Forestry* 5(1) : 1-7.

- IND 443 Maiti, G.C. & Hore, D.K. 1978
A note on the occurrence and distribution of *Boerhavia erecta* Linn. In India. *Bull. Bot. Soc. Bengal.* 32 : 36-40.
- IND 444 Maiti, P.C. 1968
Phytochemical screening. *Bull. Bot. Surv. India* 10 : 111-122.
- IND 445 Majumdar, G.P. 1927
Vanaspati : plants and plant life as in Indian treatises and traditions. Calcutta. xx+254+ii p.
- IND 446 Majumdar, G.P. 1959
Progress of Science in India VI. Botany, New Delhi. vi+263 p.
- IND 447 Majumdar, N.C. 1972
A note on the family Caryophyllaceae with special reference to the Indian species. *Bull. Bot. Surv. India* 14(1-4) : 71-75.
Note on geographical distribution, systematic position, medicinal and economic uses of a few species.
- IND 448 Majumdar, N.C. & Banerjee, R.N. 1976
A note on the citation of a Wallichian specimen. *Bull. Jard. Nat. Belg.* 46 : 415-417.
- IND 449 Majumdar, N.C. 1979
Fascicles of Flora of India. Fasc. 2. Dilleniaceae. Botanical Survey of India, Howrah. 1-16, pl. 2, photo 1. Revision of the family.
- IND 450 Malhotra, C.L. 1979
Biological investigations of *Skimmia laureola* Hook. f. *India Journ. Forestry* 2(4) : 335.
- IND 451 Malhotra, C.L. & Jain, S.K. 1978
On some botanical and phytogeographical aspects of *Mikania* and *Eupatorium* in N.E. India. In : *Studies on Weeds and their control*, Symposium Vol. Meghalaya Science Society, Shillong.
- IND 452 Malhotra, S.K. & Moorthy, S. 1981
On the identity of *Barleria* ~~■~~ *minalis* Nees. *Indian Forester* 107 : 448-453.

- IND 453 Malik, C.P. & Grover, J.S. 1969
Argemone subfusiformis Ownbey (Papaveraceae) a new record for India. *Indian Forester* 95 : 480-481.
- IND 454 Mandal, N.R. & Panigrahi, G. 1983
Studies in the systematics and distribution of the genus *Antidesma* L. (Euphorbiaceae) in India. *Journ. Econ. Tax. Bot.* 4(1) : 255-261. Nomenclature, Typification and distribution of 24 taxa.
- IND 455 Mani, M.S. 1965
Key to plant galls from India. *Bull. Bot. Surv. India* 7(1-4) : 89-127, figs. A dichotomous key to 700 plants of different families with notes.
- IND 456 Mani, M.S. 1974
Biogeography of the Peninsula, In : Mani, M.S. (Ed.) *Biogeography in India. The Hague.* pp. 614-647.
- IND 457 Mani, M.S. 1978
Ecology and Phytogeography of high altitude plants of the North West Himalaya. Introduction to high altitude botany. Chapman & Hall Ltd. London. xii + 205 pp. figs. 49, pl. 24. Discussion on ecology, vegetation, subdivisions in Himalaya and brief description of some high altitude species.
- IND 458 Manilal, K.S. 1980
Malayalam plant names from Hortus Malabaricus in modern botanical nomenclature. In : Manilal, K.S. (ed.) *Botany & History of Hortus Malabaricus* 1-5. List of generic and specific epithets.
- IND 459 Marshall, H.S. 1953
Bibliographical notes 4. Wight's Catalogue of Indian plants. *Kew Bull.* 1953 : 280.
- IND 460 Martin, M. 1938
The history, antiquities, topography and statistics of Eastern India in relation to their geology, mineralogy, botany and agriculture. 3 vols. London.
- IND 461 Mathauda, G.S. 1957
The Mangroves of India. *Symp. Mangrove, For. Calcutta* 17-37

- IND 462 Mathauda, G.S. 1959
The mangrove forests of India. *Proc. Mgr. Symp.* 66-87
- IND 463 Matthew, K.M. 1970
The flowering of the Strobilanth (Acanthaceae). *Journ. Bombay Nat. Hist. Soc.* 67(3) : 502-506.
- IND 464 Matthew, K.M. 1978
Tropical Botany. Challenges, opportunities and responsibilities. *Indian Journ. Forestry* 1(1) : 1-8.
- IND 465 Matthew, K.M. 1979
A methodology for botanical revisions. *Indian Journ. Forestry* 2(3) : 204-217. Guidelines for revision work.
- IND 466 McCann, C. 1945
New species of *Ceropegia* and the synonymy of the Indian species. *Journ. Bombay Nat. Hist. Soc.* 45 : 209-211.
- IND 467 McCann, C. 1945
Notes on the genus *Ruppia* (Ruppiaceae). *Journ. Bombay Nat. Hist. Soc.* 45 : 396-402. fig. 12.
- IND 468 McCann, C. 1947
Trees of India. A popular Hand-book illustrated with 78 coloured plates and 17 black and white illustrations, Bombay. viii+63+78 p.
- IND 469 McCann, C. 1959
Seed dispersal. *Journ. Bombay Nat. Hist. Soc.* 56 : 166-182, pl. 5.
- IND 470 Mc Clelland, J. 1845
Memoir of the late William Griffith... *Journ. Agri. Hort. Soc. India* 4 : 1-39.
- IND 471 McG, J.L.L. 1895
Flowering of *Strobilanthes*. *Indian Forester* 21 : 462.

IND 472 Meher-Homji, V.M. 1964

Life forms and biological spectra as ephamonic criteria of aridity and humidity in tropics. *Journ. Indian Bot. Soc.* 43 : 423-430.

IND 473 : Meher-Homji, V.M. 1965

On the 'Sudano-Daccanian' floral element. *Journ. Bombay Nat. Hist. Soc.* 62 : 15-18, map. 1, pl. 1.

IND 474 Meher-Homji, V.M. 1965

Ecological status of the montane grasslands of the South Indian Hills : a phyto-geographic reassessment. *Indian Forester* 91 : 210-215.

IND 475 Meher-Homji, V.M. 1965

A contribution to the study of plant succession and climax vegetation with special reference to the dry parts of north-west and south-east India. *Trop. Ecol.* 6 : 152-164. graph 4, tab. 2.

IND 476 Meher-Homji, V.M. 1967

Phytogeography of the south Indian Hill stations. *Bull. Bot. Club* 94 : 230-242, fig. 7.

IND 477 Meher-Homji, V.M. 1970

Notes on some peculiar cases of phytogeographic distributions. *Journ. Bombay Nat. Hist. Soc.* 67(1) : 81-86.

IND 478 Meher-Homji, V.M. 1972

Himalayan plants on south Indian Hills : Role of pleistocene glaciation vs. long distance dispersal. *Sci. & Cult.* 38 : 8-12. Discussion.

IND 479 Meher-Homji, V.M. 1974

On the origin of the tropical dry evergreen forest of south India. *Int. Journ. Ecol. Environ. Sci.* 1 : 19-34.

IND 480 Meher-Homji, V.M. 1974

Buttress like structures on the upper plant of the trunk of *Ceiba pentandra* (L.) Gaertn. *Journ. Bombay Nat. Hist. Soc.* 71(2) : 236-237.

- IND 481 Meher-Homji, V.M. 1975
On the species area floristic in relation to degree of Aridity-humidity. *Geobios* 2 : 95-98, fig. 1, tab. 1. Discussion.
- IND 482 Meher-Homji, V.M. 1976
On the rate of drift of India during Tertiary. *Geobios* 3 : 23-24.
- IND 483 Meher-Homji, V.M. 1977
Tropical dry deciduous forests of Peninsular India. *Fedde's Repert.* 88 : 113-134, fig. 2, tab. 3.
- IND 484 Meher-Homji, V.M. 1979
Subtropical climate and vegetation of the Indian subcontinent. *Geophytology* 8 : 137-146.
- IND 485 Meher-Homji, V.M. 1981
Environmental implications of life-form spectra from India. *Journ. Econ. Bot* 2 : 23-30. A reassessment of 38 spectra described and tabulated from different parts of the country.
- IND 486 Meher-Homji, V.M. & Misra, K.C. 1973
Progress of Plant ecology in India (edited by R. Misra, B. Gopal, K.P. Singh & J.S. Singh). Today and Tomorrow's publication No. 1 : 26-28.
- IND 487 Mehrotra, A. (1980) 1982
On the status of some endemics (?) in India-I. *Bull. Bot. Surv. India* 22(1-4) : 233-234.
- IND 488 Mehrotra, A. & Jain, S.K. (1980) 1982
Endemism in Indian Grasses-Tribe Andropogoneae. *Bull. Bot. Surv. India* 22(1-4) : 51-58. Discussion on endemism in Andropogoneae in India.
- IND 489 Melville, R. 1970-1971
Red Data Book, Volume 5—Angiospermae. International Union for Conservation of nature and natural resources. Morges.
- IND 490 Melville, R. 1978
Challenges, Opportunities and Responsibilities in K.M. Mathew, Tropical Botany. *Indian Journ. Forestry* 1(1) : 1-8.

- IND 491 Menon, A.K. 1960
 Indian essential oils : review. New Delhi. vii+89p.
- IND 492 Menon, K.P.V. & Pandalai, K.M. 1960
The Coconut Palm - A monograph. Ernakulam.
- IND 493 Merrill, E.D. 1921
 A review of the new species of plants proposed by N.L. Burman in his Flora India. *Philipp. Journ. Sci.* 19 : 329-388.
- IND 494 Merrill, E.D. 1941
 A note on the dates of publication of Wight's "Icones Plantarum Indiae Orientalis". *Journ. Arnold Arb.* 22 : 222-224.
- IND 495 Merrill, E.D. 1948
 An overlooked Flora Indica. *Journ. Arnold Arb.* 29 : 186-192, t. 1.
- IND 496 Merrill, E.D. & Walker, E.H. 1938
 A bibliography of Eastern Asiatic Botany. Massachusetts. (One of the most comprehensive modern bibliographies dealing with Indian plants.)
- IND 497 Miquel, F.A.W. 1855-1960
 Flora Indiae Botanicae. Amstelredami. Vol. 1-3.
- IND 498 Misra, R. & Puri, G.S. 1954
 Indian manual of plant ecology. Dehra Dun. x+341 p.
- IND 499 Mitra, Debika & Roy, B. 1977
Ipomoea leari Paxt.—a naturalised plant of India. *Journ. Bombay Nat. Hist. Soc.* 74(1) : 211-212.
- IND 500 Mitra, J.N. 1958
 Flowering plants of Eastern India. Vol. I. Monocotyledons. xx+390 p.
- IND 501 Mitra, J.N. 1964
 Introduction to systematic botany and ecology. Calcutta. xi-694 p. illus. plate.
- IND 502 Mitra, S.N. 1973
 Some new combinations on Indian plants. *Indian Forester* 99(2) : 100-101.

- IND 503 Mohanan, C.N. & Nair, N.C. 1981
Kunstleria Prain a new genus for India and a new species in the genus. *Proc. Indian Acad. Sci.* 90(3) : 207-209.
- IND 504 Moody, K. 1975
 Weeds and shifting cultivation. *PANS* 21(2) : 188-194.
- IND 505 Mudgal, V. & Jain, S.K. (1980) 1982
Coptis teeta Wall.—Local uses, distribution and cultivation. *Bull. Bot. Surv. India.* 22(1-4) : 179-180.
- IND 506 Mukerjee, S.K. 1959
 Central National Herbarium. *Bull. Bot. Surv. India* 1 : 30-32.
- IND 507 Mukerjee, S.K. 1959-1963
 Enumeration of Indian flowering plants. *Bull. Bot. Surv. India* 1(1) : 138-141. 1959 ; 2(1&2) : 99-107. 1960 ; 2(3 & 4) : 293-297 (1960) 1961 ; 3(1) : 99-101, 3 (3 & 4) : 351-355. (1961) 1962 ; 5(1) : 39-47. 1963.
- IND 508 Mukerjee, S.K. 1971
 Exploration and introduction to common man. *Everyman's Science* 6 : 80-85.
- IND 509 Mukerjee, S.K. (1969) 1972
 Survey of Plant Resources of India and its use. *Bull. Bot. Surv. India* 11 : 217-223.
- IND 510 Mukherjee, A.K. 1981
 Distribution potentiality and plant introduction. *Journ. Econ. Tax. Bot.* 2 : 227-229.
- IND 511 Mukherjee, N. 1972
 Six new taxa of Flacourtiaceae from India & Burma. *Journ. Bombay Nat. Hist. Soc.* 69(2) : 390-394.
- IND 512 Mukherjee, S.K. & Chatterjee, D. 1940
 Some new plants from India and Burma. *Journ. Indian Bot. Soc.* 19 : 77-89. ff 1-7.
- IND 513 Mukherji, K.D. 1976
 The climbing orchid *Vanilla*. *Journ. Bombay Nat. Hist. Soc.* 73(2) : 426-428.

IND 514 Nagendran, C.R., Subramanyam, K.&A, Arekal, G.D. 1976-77.

Distribution of Podostemaceae in India. *Journ. Mysore Univ.*, B 27 : 172-188.

IND 515 Naidu, A. 1953

A new species of *Sesamum*. *Journ. Bombay Nat. Hist. Soc.* 51 : 697-698.

IND 516 Naik, V.N. 1969

On the identity and nomenclature of some Indian plants. *Indian Forester* 95 : 413-417, fig. 2.

IND 517 Naik, V.N. 1970

Some new and noteworthy plants from India. *Proc. Indian Acad. Sci.* 71 : 226-229, pl. 1, fig. 1. *Biophytum Helcnae* Buscalioni & Musc. *B. sensitivum* non L.; *Indigofera duthiei* Drumm. ex Naik sp. nov. (Osmanabad) ; one new rec. for India (*Amaranthus dubius* Mart. ex Thell).

IND 518 Naik, V.N. 1973

Some interesting species of *Eriocaulon* Linn. from India. *Journ. Indian Bot. Soc.* 52 : 108-113.

IND 519 Naik, V.N. 1974

Herbarium—*An enumeration of vascular plants*. pp. 77. Botany Dept. Marathwada Univ., Aurangabad. Maharashtra. List : 1486 spp. of India, Denmark, Italy, Japan etc. deposited in Botany Dept. Marathwada Univ.

IND 520 Nair, K.N.R. 1957

Ecological status of the south Indian grasslands. *Journ. Indian Bot. Soc.* 36 : 596.

IND 521 Nair, K.K.N. & Janardhanan, K.P. 1981

Species of *Chionanthus* Sw., *Linnocera* Sw. (Oleaceae) in the Indo-Burmese region. *Journ. Bombay Nat. Hist. Soc.* 78 (2) : 330-352.

IND 522 Nair, K.K.N. & Nayar, M.P. (1974) 1977

Genus *Melanococchris* Nees, a critical review. *Bull. Bot. Surv. India* 16 : 141-144.

- IND 523 Nair, K.K.N. et al. 1977
 A review of the genus *Enteropogon* Nees. *Proc. Indian Acad. Sci.* 86 (B) : 81-85.
- IND 524 Nair, N.C., Chandrabose, M. & Srinivasan, S.R. 1980
 A further contribution to the weed flora of South India. *Indian Journ. Forestry* 3 (1) : 56-59 ; 3 (2) : 111-115 ; 3 (3) : 251-237. Enumeration.
- IND 525 Nair, R.V. 1974
 Observations on the breeding mechanism of *Biophytum candolleianum* Wt. *Journ. Bombay Nat. Hist. Soc.* 71 (1) : 99-108.
- IND 526 Nair, R.V. 1976
 A note on torus in Coconut Fruits. *Journ. Plantation Crops* 4 : 81-82.
- IND 527 Nair, V.J. & Ramachandran, V.S. 1982
 Notes on hitherto undescribed fruits of *Salacia beddomei* Gamble and *Salacia fruticosa* Lawson (Hippocrateaceae). *Indian Journ. Forestry* 5 (4) : 330-331.
- IND 528 Naithani, H.B. & Raizada, M.B. 1976
 New distributional records of eleven plants in India, Nepal and Burma. *Indian Forester* 102 : 675-688.
- IND 529 Naithani, H.B. & Raizada, M.B. 1977
 New records of some Cyperaceae taxa in India. *Indian Forester* 103 (6) : 411-424.
- IND 530 Naithani, H.B. & Raizada, M.B. 1977
 Notes on the distribution records on grasses. *Indian Forester* 103 (8) : 513-524. 21 new records.
- IND 531 Narayanaswami, V. 1961 & 1965
 A bibliography of Indology Vol. 2. *Indian Botany* Pt. 1 : A-J. 1961 & Pt. 2 : K-Z 1965. The Librarian, National Library, Calcutta. 1114 titles.
- IND 532 Nayar, M.P. 1966-67
 Contribution to the knowledge of Indo-Malayan and other Asiatic Melastomataceae. *Kew Bull.* 20 : 155-161.

IND 533 Nayar, M.P. (1972) 1975

Centres of origin and patterns of distribution of the family Melastomataceae in Asia and Malesia. *Bull. Bot. Surv. India* 14 : 1-12.

IND 534 Nayar, M.P. 1976

Notes on Asian Melastomataceae. *Journ. Jap. Bot.* 51 (8) : 230-234.

IND 535 Nayar, M.P. (1980) 1982

Endemic flora of peninsular India and its significance. *Bull. Bot. Surv. India* 22 (1-4) : 12-23. 56 genera and 25 families. There are about 2100 endemic species in 890 woody species, 254 semi woody and the rest 859 are herbaceous species.

IND 536 Nayar, M.P. & Datta, A.K. 1982

Fascicles of Flora of India. Fasc. 9. Botanical Survey of India, Howrah. 1-12, figs. 4, pl. 1. Revision.

IND 537 Nayar, M.P. & Debnath, H.S. 1982

Wind transmitted air pollutants and model plant canopies for industrial complexes. *Journ. Econ. Tax. Bot.* 3 (3) : 827-849. Discussion on atmospheric pollution, proposal for tree canopies as wind breaks and covers for pollution.

IND 538 Nayar, M.P. & Giri, G.S. (1976) 1977

Taxonomic studies on Myrsinaceae of India-I. A new species and review of the genus *Sailiria* Mez. *Bull. Bot. Surv. India* 16 (1-4) : 144-147, figs 2. *S. subsessilifolia* sp. nov. from Arunachal & *S. eugenifolia* var. *burmanica* var. nov. from Burma.

IND 539 Nayar, M.P. & Giri, G.S. 1975

A synopsis of the genus *Hymenandra* A. DC. (Myrsinaceae) and a new species from Burma. *Journ. Bombay Nat. Hist. Soc.* 72 (3) : 818-821. fig. 1. *H. narayanaswamii* sp. nov.

IND 540 Nayar, M.P. & Giri G.S. (1976) 1979

Revision of the genus *Antistrophe* A. DC. (Myrsinaceae.) *Bull. Bot. Surv. India* 18 (1-4) : 80-84, fig. 1. 5 spp. & 1 var. *A. oxantha* var. *bhutanica* var. nov.

IND 541 Nayar, M.P. & Giri, G.S. 1980

Fascicles of flora of India. Fasc. 6 : Pittosporaceae. Botanical Survey of India, Howrah. 1-15, pl. 2. Complete revision of the family with description of two new spp. *Pittosporum anamallayense* & *P. viridulum*.

IND 542 Nayar, M.P. & Giri, G.S. 1982

On the identity of species of *Turnera* Linn. (Turneraceae) in India. *Biorigyanam* 8 (2) : 145-147. Key, descr. & notes on identity of 2 spp.

IND 543 Nayar, M.P. & Karthikeyan, S. 1981

Fourth list of species and genera of Indian Phanerogams not included in J.D. Hooker's Flora of British India (excluding Bangladesh, Burma, Sri Lanka, Malaya, Peninsula and Pakistan). *Rec. Bot. Surv. India* 21 (2) : 129-152.

IND 544 Nayar, M.P. & Ramamurthy, K. (1973) 1976

Third list of species and genera of Indian Phanerogams not included in J.D. Hooker's Flora of British India (excluding Bangladesh, Burma, Ceylon, Malayan Peninsula and Pakistan). *Bull. Bot. Surv. India*. 15 : 204-234. Enumeration of 1011 spp.

IND 545 Nayar, S.L. 1954

Poisonous seeds of India, part 1 & 2. *Journ. Bombay Nat. Hist. Soc.* 52 : 88-105 ; 515-532. Enum. 106 spp. ; English and Indian names, distr. notes.

IND 546 Nisbet, J. 1907

The chief timber trees of India. *Indian Forester* 33 : 40-48, 105-107, 159-162, 205-211.

IND 547 Osbeck, P. 1757

Dogbok ofwer en Ostindsk Resa. Aren 1750-52. Stockholm.

IND 548 Osmaston, B.B. 1904

Strobilanthes and natural reproduction. *Indian Forester* 30 : 195-196.

IND 549 Pal, B.P. 1960

Beautiful climbers of India. New Delhi. 105 p.

- IND 550 Oza, G.M. 1976
Canscora sessiliflora Roem. & Sch. extension of geographical range. *Journ. Bombay Nat. Hist. Soc.* 73 (3) : 556-558.
- IND 551 Panchasharappa, M.G. 1962
Taxonomic evaluation of Zingiberaceae. *Bull. Bot. Surv. India* 4 : 129-135.
- IND 552 Pandey, D.S. (1979) 1981
Clerodendrum serratum (L.) Spreng a good ornamental plant for the garden. *Plant Sci.* 11 : 102.
- IND 553 Pandey, S.C. 1961
On some new concept in Phyto-sociological studies of grassland I Dominance Diagram. *Journ. Indian Bot. Soc.* 40 : 263-266.
- IND 554 Panigrahi, G. 1975
Notes on species of *Euphorbia* from the Indian Region. *Kew Bull.* 30 (3) : 531-532.
- IND 555 Panigrahi, G. 1984
Conservation of environment, some perspective. *Journ. Sc. Club* 32. : 56-63.
- IND 556 Panikkar, K.M. 1956
Historie de l' Inde. Paris. 396 p.
- IND 557 Parker, R.N. 1925
Eucalyptus in the plains of North West India. 34 p.
- IND 558 Parker, R.N. 1931
Name changes in important Indian trees. *Indian Forester* 57 : 485-490.
- IND 559 Parker, R.N. 1940
Experiments with exotics. *Indian Forester* 46 (1) : 639-645.
- IND 560 Parker, R.N. & Gupta, B.L. 1924
New Indian species of forest importance. *Indian Forester* 50 : 572-587.

- IND 561 Parker, R.N. & Ganga Singh 1933
Common Indian Trees and How to know Them. Delhi
(Text by Parker, Illustrations by Ganga Singh) .46 p.
- IND 562 Parkinson, C.E. & Raizada, M.B. 1930
New Indian species of forest importance. *Indian Forester*
56 : 426-440.
- IND 563 Paul, S.R. 1979
A new species of *Supushpa* (Acanthaceae) from India. *Bot.*
Not. 132 (2) : 149-150.
- IND 564 Paul, T.K. & Nayar, M.P. (1980) 1982
Notes on *Hibiscus hirsutus* L. and *H. talbotii* (Rakshit) T.K.
Paul et Nayar (Malvaceae). *Bull. Bot. Surv. India* 22 (1-4) :
197-198.
- IND 565 Paul, T.K. & Nayar, M.P. (1980) 1982
The status of *Hibiscus furcatus* Roxburgh. *Bull. Bot. Surv.*
India 22 (1-4) : 194-195.
- IND 566 Pfeiderer, I. 1908
Five Hundred Indian Plants. Mangalore.
- IND 567 Piddengton, H. 1832
English Index to the Plants of India, Calcutta.
- IND 568 Piddengton, H. 1836
A Tabular view of the Generic Characters in Roxburgh's
Flora Indica, Calcutta.
- IND 569 Plebst, G, & Stolz, C. 1881
Five hundred Indian plants : their use in medicine and the
arts. Mangalore. vi + 230 p.
- IND 570 Pradhan, U.C. 1976
Indian orchids : Guide to identification & culture. Vol. 1 : 1-88,
colour plates 55.
- IND 571 Prain, D. 1894
Memories and memorandum chiefly botanical : reprints from
periodicals 1887-1893, Calcutta. 419 p.

- IND 572 Prain, D. 1901
Botanical notes and papers : reprints from periodicals 1894-1901. Calcutta.
- IND 573 Prain, D. 1904
Four orchids new to the Indian Flora. *Journ. Asiat. Soc. Bengal* 11, 73 : 189-191.
- IND 574 Prain, D. 1904
Species of *Dalbergia* of South Eastern Asia. Calcutta. iv+114 p.
- IND 575 Prain, D. 1904
Some new Indian plants *Journ. Asiat. Soc. Bengal* 73 : 192-207. tt. 7-8
- IND 576 Prain, D. 1906
Contributions to Indian Botany : reprints from periodicals from 1902-1906. London. 131-459 p.
- IND 577 Prain, D. 1941
Five new Indian and Burmese flowering plants. *Indian. For. Rec.* 3 (3) : 121-128, tt. 1-5.
- IND 578 Prain, D. 1942
Name changes in important Indian plants. *Indian Forester* 68 : 206-207.
- IND 579 Prain, D. 1948
Botanical name changes. *Indian Forester* 74 : 333-336.
- IND 580 Prain, D. & Sahni, K.C. 1955
Observations on the vegetation of Panch Chulhi. *Indian Forester* 81 : 300-317, tt. 4, maps 2.
- IND 581 Prakash, V. & Jain, S.K. 1979
Facies of Flora of India. Fasc. 3. Poaceae ; tribe-Garnotieae. Botanical Survey of India, Howrah. 1-16. pl. 2. Revision.
- IND 582 Prakash, V., Shukla, U., Pal, D.C. & Jain, S.K. (1978) 1982
Additions to the Indian grass flora of last two decades. *Bull. Bot. Surv. India* 22 (1-4) : 143-147. List of 94 taxa which are

reported or described by various authors after the publication of Bor's work on Indian Grasses in 1969.

- IND 583 Prakash Rao, C.S. & Biswas, S.N. 1968
A new variety of *Hemidelphis polyspermus* Nees (Acanthaceae) from India, *Indian Forester* 94 : 657-658.
- IND 584 Puri, G.S. 1959
Western Circle of the Botanical Survey of India. *Bull. Bot. Surv. India* 1 : 74-77, photogr. 6 History of herbarium.
- IND 585 Puri, G.S. 1960
Indian Forest Ecology, 2 vols. New Delhi.
- IND 586 Puri, G.S. 1960
Edaphic controls of vegetation on a regional scale in India. *Journ. Indian Soc. Soil. Sc.* 8 : 151-155, Plant list.
- IND 587 Puri, G.S. Arora, R.K. Ahuja, B.S. & Ansari, M.Y. 1960
Studies in the vegetation of humid tropics of India. *Symp. Trop. moist Evergr. for. Dehra Dun*. pp. 13.
- IND 588 Puri, G.S. & Jain S.K. 1957
The Mangrove vegetation of Western India. *Symp. Mangrove. For. Calcutta*. 51-58.
- IND 589 Puri, G.S. & Jain, S.K. 1960
Distribution pattern of some plants of the Deccan Trap. *Mem. Indian Bot. Soc.* 3 : 17-21, tab. 2.
- IND 590 Puri, G.S. & Jain, S.K. 1960
Survey of some oil-yielding plants of Western India. *Bull. Bot. Surv. India* 2 : 95-98. Descr. & distr. of 19 spp. uses of oil.
- IND 591 Puri, G.S. & Jain, S.K. 1960
Observation on the forest types of Western India. *Trop. Ecol.* 1 : 19-21.
- IND 592 Puri, G.S. & Jain, S.K. 1961
Plant resources of Western India for the Pharmaceutical industry. *Pak. Journ. Sci. Ind. Res.* 4 : 239-245, tab. 2.

- IND 593 Puri, G.S. & Jain, S.K. 1962
Observation on vegetation types and floristic composition of some forests in India. *Bull. Natn. Inst. Sci. India* 19 : 49-53.
- IND 594 Puri, G.S. & Jain, S.K. 1962
Phytogeography of some Indian plants. *Bull. Natn. Inst. Sci. India* 19 : 65-69.
- IND 595 Puri, G.S. & Jain, S.K. 1962
Botanical exploration in Western India. *Trop. Ecol.* 3 : 49-69, photo 7, map 4.
- IND 596 Qureshi, I.M. & Kaul, O.N. 1971
Some endangered plants in the Indian Flora. Proceedings of IUCN. XI Technical meeting 2 : 115-126.
- IND 597 Raizada, M.B. 1932
New Indian species of forest importance. *Indian Forester* 58 : 133-140.
- IND 598 Raizada, M.B. 1941
Five new Indian and Burmese flowering plants. New Delhi. 128 p.
- IND 599 Raizada, M.B. 1958-1968
Name changes in common Indian plants. *Indian Forester* 84 : 467-538. 1958 ; 85 : 473-509. 1959 ; 92 : 299-339. 1966 ; 94 : 432-462. 1968.
- IND 600 Raizada, M.B. 1967
Validating some new combinations relevant to the Flora of India. *Indian Forester* 93 : 754-755, 16 spp.
- IND 601 Raizada, M.B. 1968
What is there in a name ? Why change ? *Indian Forester* 94 : 37-46. Discussion.
- IND 602 Raizada, M.B. & Bor, N.L. 1954
Some beautiful Indian climbers and shrubs. Bombay. vii + 286 p.

- IND 603 Rajasekhar, G. & Kazi, B.A. 1976-77
 Studies on the fruits of Asteraceae as an aid to classification. *Journ. Mysore Univ.* B 27 : 197-211.
- IND 604 Ramanathan, K.R., Sawhney, R.C. & Dutta, J.M. 1964
 Notes on the outcome of literature survey for *Wealth of India-Raw Materials*. *Journ. Bombay Nat. Hist. Soc.* 61 : 35-45.
- IND 605 Randeria, A.J. 1960
 The compositae genus *Blumea*, a taxonomic revision. *Blumea* 10 : 173-317.
- IND 606 Randhawa, M.S. 1957
 Flowering trees in India. New Delhi. 210 p.
- IND 607 Rao, A.R. 1958
 History of botanical researches in India, Burma and Ceylon. Bangalore. viii+58 p.
- IND 608 Rao, A.S. 1981
 Taxonomic notes on *Mahonia jaunsarensis* Ahrendt. *Indian Journ. Forestry* 4 (3) : 243-244. fig. 1.
- IND 609 Rao, A.S. & Hajra, P.K. 1977
Paphiopedilum fairleanum (Lindl.) Pfitz. -- habitat, description and cultural notes. *Indian Forester* 103 (1) : 29-32.
- IND 610 Rao, A.V.N. 1978
 Abnormal inflorescence in *Oberonia verticillata* Wt (Orchidaceae). *Curr. Sci.* 47 (4) : 134-135.
- IND 611 Rao, A.V.N & Pandey, D.S. 1983
Decaschistia crotonifolia Wight & Arn. -- A new and promising fibre yielding plant. *Journ. Econ. Tax. Bot.* 4 (1) : 215-222. fig. 1., tab. 1.
- IND 612 Rao, C.C. 1966
 Herbaceous vegetation of the deforested river banks. *Indian Bot. Soc.* 45 : 249-256.

IND 613 Rao, C.K. 1972

Angiosperm genera endemic to the Indian floristic region and its neighbouring areas. *Indian Forester* 98 : 560-566. Enum. 74 genera.

IND 614 Rao, C.K. 1979

Angiosperm genera endemic to the Indian floristic region and its neighbouring areas II—Additions, deletion and correction. *Indian Forester* 105 : 335-341.

IND 615 Rao, P.S.J. 1923

A note on South Indian Loranthaceae and their host plants. *Indian Forester* 49 : 416-428, tt. 16-17.

IND 616 Rao, R.R. (1977) 1979

Changing pattern in the Indian Flora. *Bull. Bot. Surv. India*, 19 : 156-166. Ecology, deforestation; weed.

IND 617 Rao, R.R. & Jain, S.K. 1979

A synopsis of some recent name changes in plants of the Indian subcontinent. *Indian Forester* 105 : 565-570.

IND 618 Rao, R.S. 1963

The Indian Cho Oyu Expedition 1958 : Observations of a botanist member. *Journ. Bombay Nat. Hist. Soc.* 60 (2) : 400-409.

IND 619 Rao, R.S. 1964

New plant records from India. *Curr. Sci.* 33 : 120-121. *Beccarindia cordifolia* Hurtt., *Dioscorea scortechinii* Prain et Burk., *Leptaspis urceolata* R. Br., *Coelogyne carnea* Hook. f. & *Phacellaria compressa* Benth.

IND 620 Rao, R.S. 1964

The Doum Palms in India. *Principes Jour. Palm Soc.* 8 (2) : 49-51.

IND 621 Rao, R.S. (1970) 1971

Indian Flora. Flora of the erstwhile Portuguese colonies in India, Goa, Diu, Daman and Nagarhaveli of Western India. *Agra Univ. Journ. Res.* 19 : 69-72.

- IND 622 Rao, R.S. 1973
'Angiospermic Taxonomy' in A.K. Sharma ed. 'A decade (1963-1972) of Science in India : Progress of Botany, (Silver Jubilee Volume of Indian Sci. Congr. 1973. Calcutta. 32-36.
- IND 623 Rao, R.S., Ansari, M.Y., Kapadia, V. & Sukhdev, R. 1972
New sources of colchicine in *Iphigenia*. *Journ. Phytochem.* 11 : 1193-1194.
- IND 624 Rao, R.S. & Hemadri, K. 1970
Nomenclatural notes on Indian plants. *Journ. Bombay Nat. Hist. Soc.* 67 : 357-358. 2 comb. nov.
- IND 625 Rao, R.S. & Panigrahi, G. 1961
Distribution of vegetational types and their dominant species in Eastern India. *Journ. Indian Bot. Soc.* 40 (2) : 274-285.
- IND 626 Rao, R.S. & Raghavan, R.S. 1964
Capparis moonii Wt. A reinvestigation of its identity and value as a drug. *Journ. Sci. & Ind. Res.* 23 (2) : 53-57.
- IND 627 Rao, R.S. & Wadhwa, B.M. 1971
Fifty years of Botany in India : Morphology and Taxonomy of Angiosperms. *Maharashtra Vigyan Mandir Patrika* 6 : 12-25.
- IND 628 Rao, R.S., Wadhwa, B.M. & Ansari, M.Y. 1961
Comparative studies on the distribution of some useful trees of tropical evergreen forests in the Western and Eastern parts of India. *Indian Forester* 87 : 220-241, t. 1., map 16. Enum. 84 spp. & discussion.
- IND 629 Rao, T.A. (1971) 1974
Distributional resume of the maritime strand flora of India. *Bull. Bot. Surv. India* 13 : 192-202, tab. 1. Discussion, regional distribution, growth forms etc.
- IND 630 Rao, T.A. & Das, Sijpi 1979
Leaf sclerids occurrence and distribution in the angiosperms. *Bot Notiser* 132 : 319-324.

- IND 631 Rao, T.A. & Das, Silpi 1979
 Typology of foliar Tracheides in angiosperms. *Proc. Indian Acad. Sci.* 88B : 331-345, fig. 28.
- IND 632 Rao, T.A., Govindu, H.C. & Thirumalachar, M.J. 1950
 Aerial roots in some tropical rain forest plants. *Journ. Indian Bot. Soc.* 29 : 224-226, fig. 5. Notes.
- IND 633 Rao, T.A. & Sastry, A.R.K. 1972
 An ecological approach towards classification of coastal vegetation of India—1. Strand vegetation. *Indian Forester* 98 : 594-607, fig. 6. Discussion on different veg. types.
- IND 634 Rao, T.A. & Sastry, A.R.K. 1974
 An ecological approach towards classification of coastal vegetation of India-2. Estuarine border vegetation. *Indian Forester* 100 : 438-452. Different veg. types.
- IND 635 Rao, T.A. & Sastry, A.R.K. (1974) 1977
 An outline of the coastal vegetation of India. *Bull. Bot. Surv. India* 16 (1-4) : 105-115, fig. 2. Coastal vegetation of India is described in detail with regard to its sub-types, taxa components and phytogeographical affinities.
- IND 636 Rao, T.A. & Shanware, P.G. 1966
 Distribution of *Spinifex littoreus* (Burm. f.) Merr. along Indian coast. *Journ. Bombay Nat. Hist. Soc.* 63 : 463.
- IND 637 Rau, M.A. 1978
 Fascicles of Flora of India. Fasc. 1. Coriariaceae & Paeoniaceae. Botanical Survey of India, Howrah. ii+8, pl. 2.
- IND 638 Raza, S.H. 1978
 Studies on ecological production of two species of *Phaseolus* in red soil. *Geobios* 5 (1) : 20-23.
- IND 639 Razi, B.A. 1957
 An annotated list of phanerogamic parasites from India and Pakistan. *Lloydia* 20 : 238-254. Enum. 150 spp.
- IND 640 Razi, B.A. 1959
 A second list of species and genera of Indian Phanerogams not included in Hooker's Flora of British India. *Rec. Bot. Surv. India* 18 : ii+56 pp. A list of 1597 spp.

- IND 641 Razi, B.A. 1961
Notes on parasitic plants from India and Pakistan. *Journ. Indian Bot. Soc.* 40 : 624-627. 2 spp.
- IND 642 Reinwardt, C.G.C. 1856
Plantae Indiae Batavae Orientalis, Lugduni Batavorum.
160 p.
- IND 643 Ridley, H.N. 1930
The dispersal of plants throughout the world.
- IND 644 Ridely, H.N. 1942
Distribution areas of the Indian floras. 150th Anniv. Vol. *Roy. Bot Gdn. Calcutta* 49-51. Discussion.
- IND 645 Roonwal, M.L. et al. 1958
Descriptive accounts of the host plants of the lac insects Laccifer lacca (Kerr.) and the allied plants in Indian region. Ranchi.
- IND 646 Roth, A.W. 1821
Novae plantarum species, praesertim Indiae orientalis ex collectione B. Heynii. Halberstad.
- IND 647 Roxburgh, W. 1776-1815
Icones Roxburghianae Vols. 1-35 (2533 plates), drawn during the period of service in India as a companion series of *Flora Indica*, Calcutta. (also repr. in *Icones Roxburghiana or Drawings of Indian plants*, Calcutta. 1 : 1964 ; 2 : 1968 ; 3 : 1969 ; 4 : 1970 ; 5 ; 1971).
- IND 648 Roxburgh, W. 1814
Hortus Bengalensis : or a catalogue of the plants growing in the Honourable East India Company Botanic Garden at Calcutta, Serampore. xii. + 106 p.
- IND 649 Roxburgh, W. 1820 & 1824
Flora Indica : or descriptions of Indian plants by the later William Roxburgh . Edited by William Carey . to which are added descriptions of plants more recently discovered by Nathaniel Wallich, Serampore. 1 : 1820 ; 2 : 1824 ; (Oriole Edition, Reprint, New York 1975 with an introduction by D. H. Nicholson).

IND 650 Roxburgh, W. 1832

Flora Indica : or descriptions of Indian plants, Serampore Vol. 3. (A review of this book appeared in *Journ. Asiat. Soc. Bengal* 1 : 131-139, April 1832 ; an interesting review giving data on the history of botany in India).

IND 651 Roxburgh, W. 1874

Flora Indica : Reprinted literature from Carey's Edition of 1832, Calcutta. (This edition is by C.B. Clarke). vi+763+viii p

IND 652 Roy, J.B. 1979

Tagetes patula L. an unknown variety. *Geobios* 6 (1) : 42.

IND 653 Roychowdhury, S.P. 1961

Soils of India. New Delhi. 24 p.

IND 654 Royle, J.F. 1855

Fibrous plants of India. London. xiv+403 p.

IND 655 Raunkiaer, C. 1934

The life forms of plants and statistical plant geography : being the collected papers of C. Raunkiaer, translated into English by H.G. Carter, A.G. Tansley and Miss Fausholl Clarendon, Oxford. 632 pp.

IND 656 Raunkiaer, C. 1937

Plant life forms. Clarendon, Oxford. 104 pp.

IND 657 Sagreiya, K.P. 1967

Forest and Forestry. National Book Trust, India.

IND 658 Saha, N.C., Pal, D.C., Banerjee, D.K. & Jain, S.K. (1971) 1973

Notes on distribution of some grasses in India. *Bull. Bot. Surv. India* 13 (1 & 2) : 13-15. Distribution of 14 grasses, note on the injurious weed of grain fields, *Secale afghanicum*.

IND 659 Saha, S. 1968

The genus *Typha* in India : its distribution and uses. *Bull. Bot. Soc. Bengal* 22 : 11-18.

- IND 660 Sahni, K.C. 1965
Forest tree introduction in India, its scope and importance. *Indian Forester*, 91 : 43-57.
- IND 661 Sahni, K.C. 1973
Protection of Endemic & Relic taxa in Indian Flora. Proc. 12 Forestry Conf. Dehra Dun.
- IND 662 Sahni, K.C. 1971
Protection of rare and endangered plants in the Indian flora. Proceedings IUCN XI. Technical meeting 2 : 95-102.
- IND 663 Saldanha, C.J. (1973) 1974
Schaenorchis latifolia (Orchidaceae) newly transferred from *Rhyncostylis*. *Journ. Bombay Nat. Hist. Soc.* 70 (2) : 414-416, Pl. 1. *R. latifolia* = *Schaenorchis latifolia*.
- IND 664 Saldanha, C.J. 1977
Floristic studies in Indian Universities. *Bull. Bot. Surv. India* 19 (1-4) : 207-211.
- IND 665 Saldanha, C.J. & Rao, C.K. 1975
A punched card key to the Dicot families of South India. Centre for taxonomic studies, St. Joseph's College, Bangalore.
- IND 666 Sampathkumar, R. 1970
Further studies on the host range in *Loranthus longiflorus* Desv. *Journ. Bombay Nat. Hist. Soc.* 67 (2) : 360-361.
- IND 667 Sandwith, N.Y. 1946
Gomphrena celosioides Mart. a weed spreading in the world tropics. *Kew Bull.* 1946 : 23-30.
- IND 668 Sanjappa, M. (1980) 1982
A new name for an Indian *Desmodium* Desv. (Fabaceae). *Bull. Bot. Surv. India* 21 (1-4) : 229.
- IND 669 Sanjappa, M. 1983
A note on the nomenclature and distribution of *Indigofera torulosa* Wadood Khan (Fabaceae). *Journ. Econ. Tax. Bot.* 4 (1) : 282.

- IND 670 Santapau, H. 1948
New plant names from India. *Kew Bull.* 1948 : 276.
- IND 671 Santapau, H. 1951
Changes in plant names. *Journ. Scient. Ind. Res.* 10 : 49-50.
- IND 672 Santapau, H. 1952-1953
Contributions to the bibliography of Indian botany. *Journ. Bombay Nat. Hist. Soc.* 50 : 520-548 ; 51 : 205-259. 1953.
- IND 673 Santapau, H. 1955
Instructions for field collectors of the Botanical Survey of India, New Delhi. 16 p.
- IND 674 Santapau, H. 1956
The Botanical Exploration of India. *Journ. Indian Bot. Soc.* 35 : 1-6.
- IND 675 Santapau, H. 1956
Botanical Collector's Manual, New Delhi.
- IND 676 Santapau, H. 1957
Vegetation types of Western India. *Journ. Indian Bot. Soc.* 36 : 601-602.
- IND 677 Santapau, H. 1958
History of Botanical researches in India, Burma and Ceylon. Madras. vii + 77 p.
- IND 678 Santapau, H. 1958
Floristic studies in India. *Indian Bot. Soc.* 1 : 117-121.
- IND 679 Santapau, H. 1960
J.H. Burkill in India. *Gdn's Bull. Singapore.* 17 : 341-349, Biogr. & Bibliogr. notes. 1 portrait.
- IND 680 Santapau, H. (1960) 1961
Black colour in flowers : is there such a colour in nature ? *Journ. Bombay Nat. Hist. Soc.* 57 : 701-702. Discussion.

- IND 681 Santapau, H (1961) 1962
Critical notes on the identity and nomenclature of some Indian plants. *Bull. Bot. Surv. India* 3 : 11-21. 38 name changes.
- IND 682 Santapau, H. 1962
Botanical nomenclature. *Proc. summ. Sch. Bot. Darjeeling*. 384-394.
- IND 683 Santapau, H. (1962) 1963
The present state of taxonomy and floristics in India after Independence. *Bull. Bot. Surv. India* 4 : 209-216. Discussion.
- IND 684 Santapau, H. 1963
Wild flowers of India. *Trans. Bose. Res. Inst. Calcutta* 26 : 33-41. fig. 6.
- IND 685 Santapau, H. 1964
These exotic weeds used watching. *Indian Fmg.* 14 : 20-23. discussion on 17 spp., 4 fig.
- IND 686 Santapau, H. 1964 (comp.)
Publication dates. Calcutta. 57 p.
- IND 687 Santapau, H. 1967
Changes plant names. *Bull. Bot. Soc. Bengal* 21 : 59-64.
- IND 688 Santapau, H. 1969
Preservation of the natural flora in the National parks of India. *Indian Forester* 95 : 711-714. Advice to grow the kind of plants in National Parks.
- IND 689 Santapau, H. 1971
Endangered plant species and their habitats. Proceedings of IUCN XI. Technical meeting 2 : 83-88.
- IND 690 Santapau, H. & Henry, A.N. 1973
A dictionary of the Flowering Plants of India. pp. viii+198. C.S I.R. New Delhi. 2890 gen. names over 328 fam., no. spp. in world and India ; names of more common spp., brief descr., use if any (See Airy Shaw, N.K. 1976. *Kew Bull.* 31 : 198-199 review).

- IND 691 Santapau, H. & Jain, S.K. 1966
Some new combinations relevant to the flora of India *Indian Forester* 92 : 643, 7 spp.
- IND 692 Santapau, H. & Wagh S.K. (1963) 1964
Nomenclatural changes in Indian plants *Bull. Bot. Surv. India* 5 : 105-107, 56 name changes.
- IND 693 Sanyal, D. & Ghose, R. 1934
Vegetable drugs of India. Calcutta. iii + 590 p.
- IND 694 Sastry, T.C.S., Agrawal, S. & Kavethaker, K.Y. 1982
Notes on *Basella alba* Linn. var. *rubra* (Linn.) Stewart (Basellaceae). *Indian Journ. Forestry*. 5 (2) : 152.
- IND 695 Saxena, H.O. 1965
Utricularia pubescens Sm — a new record for India. *Indian Forester* 91 : 73-75, fig. 1-4
- IND 696 Saxena, H.O. 1966
Correct name of *Aechmanthera tomentosa* Nees. *Indian Forester* 92 : 529 *A. gonypina* (Nees) Nees.
- IND 697 Saxena, H.O. 1967
Some new combinations of plant names *Indian Forester* 93 : 798-799, 16 spp.
- IND 698 Schultes, R.E. 1960
Tapping our heritage of ethnobotanical lore. *Econ. Bot.* 14 : 257-262.
- IND 699 Scott, F.B. 1933
Notes on the food plants of Indian Hawkmoths. *Journ. Bombay Nat. Hist. Soc.* 36 (4) : 938-943.
- IND 700 Sealy, J.R. 1936
The Roxburgh Fl. Indica Drawings at Kew *Kew Bull.* 1936 : 297-399.

- IND 701 Sealy, J.R. 1956
William Roxburgh's collection of paintings of Indian plants. *Endeavour* 34 : 84-89. fig. 9. Roxburgh's life, work on Flora India.
- IND 702 Sen, D.N., Sharma, K.D. & Bhandari, M.C. 1971
Endogenous rhythm in opening and closing of Flowers in *Portulaca* species. *Journ. Bombay Nat. Hist. Soc.* 68 (3) : 859-861.
- IND 703 Sen, J. 1965
Dr. William Roxburgh : the father of Indian Botany. *Nature* 207 : 1234-1236.
- IND 704 Sen, R. 1969
A comparative study on morphogenesis of nodules in Papilionaceae. *Bull. Bot. Soc. Bengal* 23 (2) : 83-91.
- IND 705 Sen, R. & Sau, A. 1978
The possible use of bacteriological data in plant systematics. *Sci. & Cult.* 44 (6) : 266-268.
- IND 706 Sen, R., Sau, A. & Naskar, K. (1980) 1982
Studies on nodulation of some useful leguminous plants. *Bull. Bot. Surv. India* 22 (1-4) : 166-172. Preliminary report on the nodulation in 98 species of Leguminosae.
- IND 707 Sengupta, J.C. 1937
An insectivorous plant in Bengal. *Aldrovanda vesiculosa* L. *Sci. & Cult.* 3 : 97-99.
- IND 708 Sengupta, J.C. 1949
The growing menace of Assam—Lota (*Eupatorium*) and how to combat it. *Indian Forester* 75 : 351-353.
- IND 709 Sengupta, J.C. 1955
Glimpses into our botanical studies. *Bull. Bot. Soc. Bengal* 9 : 171-176.
- IND 710 Sengupta, J.C. 1959
Botanical Survey of India, its past, present and future. *Bull. Bot. Surv. India* 1 : 9-29, pl. 2, Chart 1. History.

- IND 711 Shah, J.D. 1970
Some observations on distribution of *Scoparia dulcis* Linn. in India. *Journ. Bombay Nat. Hist. Soc.* 67 (2) : 222-226.
- IND 712 Shah, N.C. & Badola, D.P. 1978
Records of plants growing at high altitude. *Journ. Bombay Nat. Hist. Soc.* 75 (3) : 934-935.
- IND 713 Shah, S.A. 1981
Social Forestry as an instrument of rural development. *Indian Journ. Forestry* 4 (2) ; 79-85. Discussion on different aspects of Rural development through the implication of Social Forestry Programmes based on locally available resources.
- IND 714 Sharma, A.K. ed. 1973
'A decade (1963-1972) of Science in India - Progress of Botany Silv. Jubilee Vol. Indian Sci. Cong. 1973. Calcutta.
- IND 715 Sharma, A.K. (1979) 1980
Chromosomes and adaptation of species. *Bull. Bot. Soc. Bengal* 33 : 1-4.
- IND 716 Sharma, L.C. 1978
Forest Planning and management. *Indian Journ. Forestry* 1 (1) : 9-18.
- IND 717 Shaw, F.J.E. & Bose, R.D. 1930
List of publications on the botany of Indian crops. Delhi.
- IND 718 Sidhu, S.S. 1963
Studies on the Mangroves of India 1. East Godavari Region. *Indian Forester* 89 : 337-351, tab. 6, pl. 3. Veg. types, list of 26 spp.
- IND 719 Sindhe, A.N. 1964
Cardamom—botany and uses. *Lal Bagh* 9 (4) : 17-21.
- IND 720 Singh, I.S. & Gopal, B. (eds.) 1978
Glimpses of ecology (Prof. R. Misra commemoration volume) *Intern. Sci. Publ., Jaipur, India.* xv + 592 pp.

- IND 721 Singh Bhadri, B.B. & Desai, B.L. 1962
Water plants. New Delhi. 44 p.
- IND 722 Singh, H. & Singh, V. 1976
 A new distributional record for *Citrhopetalum viridiflorum* Hook. f. *Geobios* 3 (3) : 107.
- IND 723 Singh, N.B., & Bhattacharyya, U.C. 1982
 Notes on the variability of *Rhodiola tibetica* (Hk. f. & Th.) Fu (Crassulaceae). *Journ. Econ. Tax. Bot.* 3 : 303-306.
- IND 724 Singh, N.P. (1968) 1969
 Notes on the teratology of certain Angiosperms. *Bull. Bot. Surv. India* 10 : 374-376, pl. 1, fig. 2, 4 spp.
- IND 725 Singh, N.P. 1981
 Geographical distribution of angiospermic taxa deposited in the herbarium of the Botanical Survey of India at Pune (BSI). *Journ. Econ. Tax. Bot.* 2 : 237-239.
- IND 726 Singh, N.P. & Deshpande, U.R. (1979) 1980
 Type material in the herbarium of the Botanical Survey of India at Poona. *Journ. Bombay Nat. Hist. Soc.* 76 : 24-32. List of about 90 type materials.
- IND 727 Singh, Ranbir 1959
 Grassland in desert control. *Journ. Soil. & Water Cons. India* 7 : 98-100.
- IND 728 Sivarajan, V.V. 1976
 A new species of *Lindernia* (Scrophulariaceae) from India. *Kew Bull.* 31 : 151-153.
- IND 729 Sivarajan, V.V. & Joseph, J. (1980) 1981
 Distributional notes on certain recently described taxa. *Journ. Bombay Nat. Hist. Soc.* 77 (2) : 368-369. New rec. of 3 taxa.
- IND 730 Sivarajan, V.V. & Manilal, K.S. 1977
 Taxonomic notes on *Portulaca oleracea* Linn. in India. *New Bot.* 4 (1-4) : 29-31.

- IND 731 Smith, H. 1857
 Specimens of Nature Printing from unprepared Plants, Madras.
- IND 732 Smith, W.W. 1911
 Plantarum novarum in Herbario Horti Regii Calcutensis cognitarum decas. *Journ. & Proc. Asiatic Soc. Bengal* 7 : 69-75.
- IND 733 Smythe, F.A. (1924)
India's forest wealth. London. xv+133 p.
- IND 734 Smythe, F.S. 1932
Kamet Conquered. London.
- IND 735 Som Deva 1976
Solanum rostratum Dunal - a new record for India. *Indian Forester* 102 : 138-139.
- IND 736 Spate, O.H.K. 1957
India and Pakistan : a general and regional geography. London.
- IND 737 Sprangers, J.C.T.M. 1979
 Composition and structure of the dry evergreen forest of SE India. *Acta Bot. Neerl.* 28 : 379. 6 vegetation types.
- IND 738 Srinivasan, A.R. & Subramaniam, C.L. 1960
A review of literature on the phanerogamic parasites. New Delhi.
- IND 739 Srinivasan, K.S. (1961) 1962
 William Carey ; His activities in botanical and horticultural researches in India. *Bull. Bot. Surv. India* 3 : 1-10.
- IND 740 Srinivasan, K.S. (1961) 1962
 Some sidelights on medicinal plant resources of the Indian Union and Kashmir. *Pakistan Journ. Sci. Ind. Res.* 4 : 179-201, fig. 17, map 1, fig. 1, app. 2.
- IND 741 Srinivasan, K.S. & Agarwal, V.S. 1963
 Taxa of Indian Acanthaceae, Verbenaceae and Labiatae attending and/or supplementing Calder's (1926) and Razi's (1959) lists of additions to Hooker's "Flora of British India". *Bull. Bot. Surv. India* 5 : 79-88. 54 spp. additions.

- IND 742 Srivastava, G.S. 1977
Plant introduction activities in India. *Bull. Bot. Surv. India* 19 (1-4) : 272-275.
- IND 743 Srivastava, G.S. & Awasthi, D.N. 1972
Some beautiful shrubs recently introduced at Lucknow. *Indian Journ. Orn. Hort.* 3 : 38-39.
- IND 744 Srivastava, G.S., Dhar, L., Shukla, D.S. & Yadav, G. 1976
Some newly introduced ornamental plants. *Indian Journ. Orn. Hort.* 7 : 26-35.
- IND 745 Srivastava, G.S. & Shukla, D.S. 1972
A new host of *Alectra parasitica* A. Rich var. *chitrakutensis* M. A. Rau. *Journ. Bombay Nat. Hist. Soc.* 69 (2) : 442-443.
- IND 746 Stacton, D. 1954
A ride on a tiger : The Curious travels of Victor Jacquemont. London.
- IND 747 Stafleu, F.A. 1967
Taxonomic literature. IBPN, Utrecht-Netherlands, pp. xx + 556. Selective guide to botanical literature.
- IND 748 Stafleu, F.A. & Cowan, R.S. 1976
Taxonomic literature Vol. 1 : A-G. pp. xix + 1136. IAPT, Utrecht, Netherlands. Bibliography of bibliographies.
- IND 749 Stapf, O. 1906
The oil grasses of India and Ceylon. *Kew Bull.* 1906 : 297-363.
- IND 750 Stebbing, E.P. 1922-1926
Forests of India. London. Vol. 1-4.
- IND 751 Steenis, C.G.G.J. van 1967
Notes on the introduction of *Crassocephalum crepidioides* (Bth.) S. Moore in Indo-Australia. *Journ. Indian Bot. Soc.* 46 : 463-469. 1 map. Historical record of the African species which was first collected in Ceylon, S.W. Deccan, N. Sumatra, W. Japan and Haiphong almost simultaneously in 1925-1927.

- IND 752 Stewart, R.R. 1945
The Grasses of North-West India. *Brittonia* 5 (4) : 404-464.
- IND 753 Stewart, R.R. 1982
Missionaries and clergymen as botanists in India and Pakistan. *Taxon* 31 (1) : 57-64.
- IND 754 Subba Rao, G.V. & Kumari, G.R. (1967) 1968
New record of plants from South India. *Bull. Bot. Surv. India* 9 : 186-189. fig. 10. Distributional notes on 6 spp.
- IND 755 Subba Rao, G.V. & Kumari, G.R. 1968
New records of plants from South India 2. *Indian Forester* 94 : 682-685. fig. 8. Descriptions and distributional notes of 2 spp.
- IND 756 Subba Rao, G.V. & Kumari, G.R. (1970) 1972
New records of plants from South India -3. *Bull. Bot. Surv. India* 12 : 208-209. Distributional notes on 7 spp.
- IND 757 Subba, Rao, G.V. & Kumari, G.R. 1972
A new record of *Chenopodium* for India (Chenopodiaceae). *Journ. Bombay Nat. Hist. Soc.* 69 : 683. *C. carinatum* R. Br.
- IND 758 Subba, Rao, G.V. & Kumari, G.R. (1971) 1972
New records of plants from South India-4 *Bull. Bot. Surv. India* 13 : 155-156. Distributional notes on 4 spp.
- IND 759 Subba Rao, G.V. & Kumari, G.R. 1976
A new variety of *Arundinella setosa* Trin. from India. *Journ. Bombay Nat. Hist. Soc.* 72 : 827-828.
- IND 760 Subramania Iyer, V. 1909
Sand-binding plants. *Indian Forester* 35 : 82-97.
- IND 761 Subramanyam, K. 1959
Southern Circle of the Botanical Survey of India. *Bull. Bot. Surv. India* 1 : 70-73. pl. 2. History.

- IND 762 Subramanyam, K. 1962
Aquatic Angiosperms. pp, viii+190, photo 5. fig. 63. C.S.I.R.
New Delhi. Enumeration, Key, description and distributional notes of 117 spp.
- IND 763 Subramanyam, K. (1962) 1963
Aquatic Angiosperms. *Bull. Bot. Surv. India* 4 (1-4) : 261-272.
Discussion on a few aquatic angiosperms with reference to distribution, fruits, seeds, economic importance, embryology etc.
- IND 764 Subramanyam, K. 1971
Endangered plant species and their habitats A review of the Indian situation. Proceedings of the IUCN XI. Technical meeting 2 : 108-114.
- IND 765 Subramanyam, K. 1977
Studies on the Indian *Utricularia* L.I. *Utricularia minutissima* Vahl, history and distribution in India. *Vignana Bharati* 3 (1) : 76-81.
- IND 766 Subramanyam, K. 1977
History of Botanical Exploration in India. *Bull. Bot. Surv. India* 19 (1-4) : 1-4.
- IND 767 Subramanyam, K. & Henry, A.N. 1970
Rare or little known plants from South India. *Bull. Bot. Surv. India* 12 (1-4) : 1-5. 2 rediscover., 1 new rec., 1 comb. nov., 1 nom. nov. & discussion on two plants.
- IND 768 Subramanyam, K. & Jain, S.K. 1972
Conservation of rare plants-A timely awakening. National Fair 73-79.
- IND 769 Subramanyam, K. & Sreemadhavan, C.P. 1969
Nature conservation a losing battle. *Indian Forester* 95 : 719-723.
- IND 770 Sundaraj, D.D. & Balasubramanyam, G. 1957
Guide to the economic plants of South India. Madras.

- IND 771 Sundara Raghavan, R., Wadhwa, R.M. & Kulkarni, B.G. 1973
Notes on plant teratology. *Indian Forester* 99 : 659-662, pl. 3. 5 spp.
- IND 772 Sur, P.R. 1976
Eulaliopsis duthiri (Poaceae) a new species from India. *Journ. Bombay Nat. Hist. Soc.* 72 : 815-817.
- IND 773 Swaminathan, M.S. 1961
Environmental protection in India problems and prospects. *Journ. Bombay Nat. Hist. Soc.* 78 (3) 429-435.
- IND 774 Sykes, Colonel 1837
Account of the cultivated oil and cordage plants of Dekkan. *Proc. Royal Asiat. Soc. Committee Agric. and Comm.* June 16 : 22-25.
- IND 775 Tadulingam, C. & Venkatanarayana, G. 1956
A text book of South Indian Weeds. Madras.
- IND 776 Takhtajan, A. 1969
Flowering plants. Origin and dispersal (Tr. Jeffery), Edinburgh.
- IND 777 Teignmouth, Lord 1907
The work of Sir W. Jones with life of the author. London.
- IND 778 Thakur, C. 1954
Weeds of Indian agriculture. Motilal Baranasidas, Patna.
- IND 779 Thakur, V. 1964
Amaranthus palmeri S. Wats in India. *Journ. Indian Bot. Soc.* 43 : 573-576. pl. 1.
- IND 780 Thothathri, K. 1970
On *Centrosema virginianum* (Linn.) Benth. in India. *Curr. Sci.* 39 : 353.
- IND 781 Thothathri, K. 1972.
New taxa of *Dalbergia* Linn. f. from India and Burma (Legum.) *Reinwardtia* 8 : 329-331. 1 new spp. & 1 new var.

- IND 782 Thothathri, K. 1976
 Studies in Leguminosae XXIV. Notes on the Indo-Burmese species of *Derris*. *Journ. Jap. Bot.* 51 (5) : 141-150.
- IND 783 Thothathri, K. 1981
 A review on standards for contents and quality of taxonomic/systematic articles in the field of Botanical Science. *Journ. Econ. Tax. Bot.* 2 : 41-43. A critical assessment on the quality, standards, technical contents of taxonomic/systematic papers.
- IND 784 Thothathri, K. 1982
 Fascicles of Flora of India. Fasc. 8. Leguminosae. Genus-*Derris*. Botanical Survey of India, Howrah. 1-33. figs. 29, pl. 1. Revision.
- IND 785 Thothathri, K. & Nair, K.K.N. 1981
 Dalbergias in Hortus Malabaricus. *Taxon* 30 (1) : 43-47.
- IND 786 Thothathri, K., Sen, R., Pal, D.C. & Molla, H A. 1985
Selected Poisonous Plants from the Tribal areas of India. Botanical Survey of India, Howrah. 1-82, figs. 39, maps 23. Enumeration of selected plants with their local name, distribution and notes on parts used.
- IND 787 Torfrida and Dart, M. 1944
Flowering Trees of India. Bombay.
- IND 788 Torfrida and Dart, M. 1944
Wild Flowers of India. Bombay. 46 p.
- IND 789 Trotter, H. 1941
Manual of Indian Forest Utilisation. pp. 1-419, diagr. 1-9.
- IND 790 Trotter, H. 1941
Common commercial timbers of India and their uses. Delhi. xxiv+ 234 p.
- IND 791 Troup, R.S. 1907
Indian Forest Utilization. Calcutta. xv + 257 p.
- IND 792 Troup, R.S. 1921
The Silviculture of Indian Trees. C.I.E. Vol. III.

- IND 793 Upadhyay, U.V. & Shelke, D.K. 1976
A weed menace *Parthenium* and its control measures. *Pesticides* 10 (5) : 25-26.
- IND 794 Vaid, K.M. 1973
A preliminary note on the identity of the controversial *Mikania*. *Indian Forester* 99 : 19-22.
- IND 795 Vajravelu, E. & Rathakrishnan, N.C. 1982
A note on *Saprosma corymbosum* (Bedd.) Bedd. (Rubiaceae). *Journ. Econ. Tax. Bot.* 3 : 307-308.
- IND 796 Vajravelu, E. & Naithani, H.B. 1971
Cuscuta santapauli Banerjee & Das a new record for India (Conv.) *Indian Forester* 97 : 467-468. Earlier only from E. Nepal.
- IND 797 Varshney, C.K. & Rzoska, J. 1976
Aquatic weeds in South east Asia. Dr. W. Junk Publishers, The Hague.
- IND 798 Vartak, V.D. 1976
Importance of nut morphology in Classification of Sedges. *Proc. Autumn School Botany, Darjeeling* 334-347.
- IND 799 Vartak, V.D. & Chitnis, B.K. 1971
Short biography of the life and work of Dr. Alexander Gibson. *Indian Forester* 97 : 152-159.
- IND 800 Vartak, V.D. & Gadgil, M. 1980
Studies in Ethnobotany a new Vista in botanical sciences. *Biovigyanam* 6 : 151-156. Discussion.
- IND 801 Vasavada, J.A. 1958
Hivre garden a biotic relict. *Indian Forester* 49 : 87-94. tab. 1, pl. 2.
- IND 802 Vavilov, N.I. 1949-1950
The origin, variation, immunity and breeding of cultivated crops. *Chron. Bot.* 13 : 364.

- IND 803 Venkatareddi, B. 1968
Ceropegia lawii Hook. f. & C. *panchgoniensis* Blatt. et McC.
Willdenowia 5 (1) : 32, t. 3 & 4
- IND 804 Venkatesh, C.S. 1962
Argemone ochroleuca Sweet. sub. sp. *ochroleuca* a new record
 for India. *Curr. Sci.* 31 : 250.
- IND 805 Venkatesh, C.S. 1981
 Botanical research in relation to Forestry. *Indian Journ.*
Forestry 4 (1) : 1-5.
- IND 806 Verma, D. M. & Chandra Veena (1980) 1982
 The genus *Rhynchospora* Vahl in India. *Bull. Bot. Surv. India*
 22 (1-4) : 126-135. Study of the genus *Rhynchospora* Vahl.
 (Cyperaceae) in India with 2 new comb.
- IND 807 Verma, G.S. 1960
Miracles of Indian herbs. Delhi. 328 p.
- IND 808 Voigt, J. O. 1845
Hortus Suburbanus Calcuttensis : a catalogue of the plants
 which have been cultivated in the Hon. East India Company's
 Botanical Garden, Calcutta and in the Serampore Botanical
 Garden, generally known as Dr. Carey's Garden. Calcutta.
 xxiv + 745 + lxxviii p.
- IND 809 Wadhwa, B.M. 1960
 Distribution pattern of some plants of Central India. *Mem.*
Indian Bot. Soc. 3 : 13-16, map. 1, tab. 1. Distr. of 17 spp.
 in E. & W. Himalayas, E. & W. Ghats, Khandesh, Deccan
 trap. Cutch, Saurashtra, Rajasthan, Bihar, & Orissa.
- IND 810 Waheedkhan, M. A. 1957
 Ecological studies in the mangroves of India. *Symp. mangrove*
For. Calcutta 102-114.
- IND 811 Walker-Arnott, G.A. 1836
Pugillus plantarum Indiae Orientalis. Nov. Act. Phys.-Med.
Acad. Caes. Leopold.-Carol. Nat. Curios. 8. 1 (1) : 321-356 d.

IND 812 Walker-Arnett, G.A. & Wight, R. 1834

Prodromus florae Peninsulae Indiae Orientalis, containing abridged descriptions of the plants found in the Peninsula of British India arranged according to the Natural System..... London.

IND 813 Wallich, N. 1820

Descriptions of some rare Indian plants. *Asiat. Res.* 13 : 369-415, tt. 12.

IND 814 Wallich, N. 1828-49

A Numerical List of Dried Specimens of Plants in the East India Company's Museum, collected under the superintendence of Dr. Wallich, of the Company's Botanic Garden at Calcutta, London.

IND 815 Wallich, N. 1829-32

Plantae Asiaticae rariores : or Descriptions and figures of a select number of unpublished East Indian Plants, London. 3. vols.

IND 816 Wallich, N. 1833

List of Indian woods collected by N. Wallich *Journ. Asiat. Soc. Bengal* 2 : 167-194. (Reprinted from *Trans. Soc. Arts.* 48 : 1831).

IND 817 Warburg, O. 1890

Die Flora des Asiatischen Monsungebietes. Ein. Pflanzengeschichtliche Studie. Verh. Ges. Deutsch. Naturf. Leipzig.

IND 818 Watt, G. 1889-1896

The Dictionary of the Economic Products of India. Calcutta. Vol. 1-6.

IND 819 Watt, G. 1908

The Commercial products of India : being an abridgement of the Dictionary of Economic Products of India. London.

IND 820 Watt, N. A. 1953

Common Indian herbs. Calcutta. 22 p.

IND 821 Whyte, R. O. 1957

The grasslands and fodder resources of India. pp. v+437, pl. 50. fig. 15. *Sci. Monogr.* 22, ICAR, New Delhi.

IND 822 Wight, R. 1830-1833

Illustrations of Indian botany, principally of the Southern parts of the Peninsula. *Bot. Misc. (Hook.)* 2 : 90-110. Suppl. tt. 1-10. 1830 ; *ibid.* 2 : 344-366. Suppl. tt. 11-19. 1831 ; *ibid.* 3 : 84-104. Suppl. tt. 21-32. 1832 ; *ibid.* 3 : 291-302. Suppl. tt. 33-41. 1833.

IND 823 Wight, R. 1834

Illustrations of Indian botany, principally of the Southern parts of the Peninsula. *Journ. Bot. (ed. W. J. Hooker)* 1 : 62-67, tt. 121-124 and 225-231. tt. 127-130.

IND 824 Wight, R. 1833-1837

Catalogue of dried specimens of Indian plants distributed by Dr. R. Wight : Wight's Catalogue (Lithographed in the hand writing of G. A. Walker-Arnott p. 1-64. 1833 ; 65-112. 1834 ; 113-128. 1836 & 129-149. 1837) London.

IND 825 Wight, R. 1834

Contributions to the Botany of India (Compositae, Asclepiadaceae and Cyperaceae) Parburry, Allen & Co. London. 134 p.

IND 826 Wight, R. 1835

Observations on Mudar (*Calotropis procera*) with some remarks on the medicinal properties of the natural order Asclepiadaceae. *Madras Journ. Lit. & Sci.* 2 : 70-86. t. 1.

IND 827 Wight, R. 1835

On the Nuth grass (deep rooted grass *Ischaemum pilosum*) of the Ceded district. *Madras Journ. Lit. & Sci.* 2 : 138-144. t. 1.

IND 828 Wight, R. 1836

Suggestion for a new application of grafting. *Madras Journ. Lit. & Sci.* 3 : 26-32.

IND 829 Wight, R. 1836

On the tree which produces the Gamboge of commerce. *Madras Journ. Lit. & Sci.* 4 : 300-304

- IND 830 Wight, R. 1836
 Botanical information ; on the Gamboge of commerce. *Comp. Bot. Mag. (Hook.)* 2 : 379-381.
- IND 831 Wight, R. 1837
 Contributions of the Indian botany No. 1. On the genus *Impatiens*. *Madras Journ. Lit. & Sci.* 5 : 1-15. tt. 1-5.
- IND 832 Wight, R. 1837
 On *Clevis analytica* of the Convolvulaceae of Peninsular India by G. A. Walker-Arnott, communicated with observations and figures. *Madras Journ. Lit. & Sci.* 5 : 15-23.
- IND 833 Wight, R. 1837
 On the Homothermal method of acclimating extro-tropical plants within the tropics. *Madras Journ. Lit. & Sci.* 5 : 39-42.
- IND 834 Wight, R. 1837
 Further observation regarding the Homothermal method of acclimating extrotropical plants within the tropics. *Madras Journ. Lit. & Sci.* 5 : 290-300.
- IND 835 Wight, R. 1837
 Contributions to the Indian Botany No. 2. *Dictyocarpus* R. Wight and *Nimmonia* R. Wight. *Madras Journ. Lit. & Sci.* 5 : 309-313. tt. 19-20.
- IND 836 Wight, R. 1837
 Addenda to N. Wallich's *Cassia lanceolata* being practical remarks on the culture and preparation of Senna in Madras-territories. *Madras Journ. Lit. & Sci.* 5 : 358-363.
- IND 837 Wight, R. 1837
 On the Gamboge plant. *Madras Journ. Lit. & Sci.* 5 : 428-429.
- IND 838 Wight, R. 1837
 Direction for preserving plants. *Madras Journ. Lit. & Sci.* 5 : 430-431.
- IND 839 Wight, R. 1837
 Remarks on the cultivation of cotton, principally with reference to the finer foreign varieties. *Madras Journ. Lit. & Sci.* 6 : 79-111.

IND 840 Wight, R. 1838-53

Icones Plantarum Indiae Orientalis or Figure of Indian plants.
6 vols. J. B. Pharoah, Madras. (General index by H.F.C.
Cleghorn, Madras 1856).

IND 841 Wight, R. 1838

On a new genus of Asclepiadaceae. *Madras Journ. Lit. & Sci.* 7 : 142-143.

IND 842 Wight, R. 1839

Remarks on *Cambogia gatta* Linn., *Stilagmitis gambogoides*
Murray and *Laurus cassia* Lind. *Madras Journ. Lit. & Sci.* 9 :
121-135 also in *Journ. Bot.* (Hook.) 2 : 324-342 1840.

IND 843 Wight, R. 1839

On the *Laurus cassia* of Linnaeus and the plants producing
cassia bark of commerce. *Ann. Nat. Hist.* 4 : 179-185.

IND 844 Wight, R. 1840-1850

*Illustrations of Indian Botany or Figure illustrative of each of
the natural orders of Indian plants, described in the author's
Prodromus Florae Peninsulae Indiae Orientalis' with observa-
tions on their relations, economical uses and medicinal proper-
ties-including descriptions of recently imperfectly known plants.*
Madras ; 2 vols. vol. 1 : plates 1-95. 1840 ; vol. 2 : plates 96-
182. 1850.

IND 845 Wight, R. 1840

Remarks on the fruits of the natural order Cucurbitaceae.
Madras Journ. Lit. & Sci. 12 : 43-54. t. 1. also in *Journ. Bot.*
(Hook.) 3 : 387-392 and in *Ann. Mag. Nat. Hist.* 8 : 260-271.
1842.

IND 846 Wight, R. 1843

Suggestions for the better transmission of plants from one
part of India to another. *Journ. Agri. Hort. Soc. India* 2 :
85-86.

IND 847 Wight, R. 1845-1847

Notes on Indian Botany. *Calcutta Journ. Nat. Hist.* 6 : 357-
363, 494-518. (1845) 1846 ; 7 : 11-21, 143-166. tt. 3-4. (1846)
1847 ; 8 : 163-179, t. 5. 1847.

IND 848 Wight, R. 1846

Synopsis of the genera of the Indian Compositae translated and abridged from de Candolle's Prodrromus - with a few additions and occasional notes. *Calcutta Journ. Nat. Hist.* 7 : 287-322.

IND 849 Wight, R. 1849

Conspectus of Indian *Utricularia*. *Journ. Bot. & Kew Gard. Misc. (Hook.)* 1 : 372-374 (Reproduced in the *Icones Pl. Ind. Or.* 4 : 12. 1850 and in *Ill. Ind. Bot.* 2 : 134-135. 1850).

IND 850 Wight, R. & Gardner, G. (1845) 1846

Observation on the structure and affinities of the genus *Azima* of Lamarck. *Calcutta Journ. Nat. Hist.* 6 : 49-56.

IND 851 Wight, R. & Walker-Arnott, G.A. 1833

Characters of some new or little known genera of plants. *Edinburgh New Phil. Journ.* 14 : 297-300.

IND 852 Wight, R. & Walker-Arnott, G.A. 1833

Characters of new or little known genera of plants. *Edinburgh New Phil. Journ.* 15 : 175-181, 378-381.

IND 853 Wight, R. & Walker-Arnott, G.A. 1835-1836

Illustrations of Indian Botany. *Comp. Bot. Mag. (Hook.)* 1 : 20-21. t. 2. 1835 ; 38-39. t. 3 1835 ; 81-82. tt. 4 5 1835 ; 117-119. tt. 6-7. 1835 ; 161. t. 8 1835-1836 ; 218-219. t. 10. 1836 ; 226-228. tt. 12-13. 1836 & 304. t. 16. 1836.

IND 854 Wight, R. & Walker-Arnott, G.A. 1836-1837

Illustrations of Indian Botany. *Comp. Bot. Mag. (Hook.)* 2 : 52-53. t. 22. 1836 ; 71-72. t. 23. 1836 ; 182-183. t. 29. 1837 ; 193. t. 26. 1837 ; 249-250. t. 28. 1837 ; 305-306. tt. 29-30. 1837.

IND 855 Wight, R. & Walker-Arnott, G.A. 1838-1839

Illustrations of Indian Botany *Ann. Nat. Hist.* 1 : 395. t. 13. 1836 ; 2 : 111-112. t. 5. (1838) 1839.

IND 856 Willis, J.C. 1966

A dictionary of the flowering plants and ferns Revised by Airy Shaw, H.K., pp lxx+1214. University Press, Cambridge.

Enum. of fam. & gen. of the world ; descr. of fam. ; number of spp. for each genus, distr.; key to the flowering plants (based on Engler) & Bentham & Hooker's system.

IND 857 Woodrow, G.M. 1894

Notes on a journey from Haveli to Kumta. *Rec. Bot. Surv. India* 1 (3) : 49-57.

IND 858 Woodrow, G.M. 1897-1901

The flora of Western India. *Journ. Bombay Nat. Hist. Soc.* 11 (1) : 118-130 ; 11 (2) : 265-273 ; 11 (3) : 420-430 ; 11 (4) : 635-651 ; 12 (1) : 162-170 ; 12 (2) : 354-373 ; 12 (3) : 515-526 ; 13 (3) : 427-442.

IND 859 Zaven, A. C. & Zhukovsky, P.K. 1975

Dictionary of cultivated plants and their centres of diversity, Wageningen.

GENERAL ADDITIONS

IND 860 Agarwal, V.S. & Khanna, K.K. (1983) 1985

Twenty five years of the Bulletin of the Botanical Survey of India. *Bull. Bot. Surv. India* 25 (1-4) : 357-395. Short discussion and list of new taxa so far been published in the Bulletin.

IND 861 Arora, R.K. & Nayar, E.R. (1983) 1985

Wild relatives, and related species of crop plants in India—their diversity and distribution. *Bull. Bot. Surv. India* 25 (1-4) : 35-45.

IND 862 Britten, J. & Boulger, S. 1931

A bibliographical index of Deceased British and Irish Botanists. Second edition, revised and completed by A.B. Rendle, London.

IND 863 Banerjee, S.P. & Pramanik, B.B. 1984

Notes on *Viola betonicifolia* J. Sm. *sensu lato* in India. *Journ. Bombay Nat. Hist. Soc.* 1 (2) : 521-525. Enum spp. of *Viola*.

IND 864 Beadle, N.C. 1951

The misuse of climate as an indicator of vegetation and soil. *Ecology* 32 : 343-345.

IND 865 Bharucha, F.R. 1944

The biological spectrum of a grassland association. *Journ. Univ. Bombay* 12 : 15-25.

IND 866 Bhattacharjee, Reba & Deb, D.B. 1985

A revision of *Knoxia* (Rubiaceae). *Journ. Econ. Tax. Bot.* 6 (1) : 161-165. 7 spp., 1 subsp., 6 var. recognised, descr., distr. Phenology.

IND 867 Blasco, F. 1975

The Mangroves of India *Trav. Sect. Sci. Tech.* 14 (1) : 28-29.

IND 868 Dabral, B.G. 1983

Forests & Rainfall. A short review. *Indian Forester* 109 : 515-520.

IND 869 Deb, D.B. & Dutta, Ratna 1984

Revision of the genus *Spermacoce* (Rubiaceae) in India and adjoining region. *Journ. Econ. Tax. Bot.* 5 (5) : 1037-1063, fig. 9. Key, descr., distr. phenology.

IND 870 Deb, D.B. & Gangopadhyay, M. 1984

New species of *Psychotria* (Rubiaceae) from Indian subcontinent. *Journ. Bombay Nat. Hist. Soc.* 81 (2) : 439-444.

IND 871 Diwakar, P.G. & Moorthy, S. 1984

Teratological observations in some angiospermic fruits. *Journ. Econ. Tax. Bot.* 5 (5) : 1181-1183, Plate 1.

IND 872 Dixit, B.S. *et al.* 1984

Estimation of Disogenin in leaves stem, root, seed and husk of *Kallstroemia pubescens* by G.L.C. method. *Journ. Econ. Tax. Bot.* 5 (3) : 645-646.

IND 873 Fischer, C.E.C. 1907

Host plants of the Loranthaceae. *Indian Forester* 33 : 353-355.

IND 874 Fischer, C.E.C. 1910

Poisonous properties of *Semecarpus anacardium* Var. *cuneifolia*. *Indian Forester* 36 : 361.

IND 875 Gamble, J. S. 1901

A Madras *Phyllanthus* overlooked *P. wightianus*. *Indian Forester* 27 : 131.

- IND 876 Heywood, V.H. (1983) 1985
Botanic Gardens and taxonomy—their economic role. *Bull. Bot. Surv. India* 25 (1-4): 134-147. Discussion on development of botanic gardens and its relation with taxonomy.
- IND 877 Hooker, J.D. 1913
An epitome of the British Indian species of *Impatiens*. *Rec. Bot. Surv. India* 4 : 1-58.
- IND 878 Islam, M. 1984
Certain fibre yielding plants in the North-eastern region of India. *Journ. Econ. Tax. Bot.* 5 (4) : 767-783. List of plants with notes.
- IND 879 Jain, S.K. (1983) 1985
Botanical Survey of India 1958-1983. *Bull. Bot. Surv. India* 25 (1-4) : 252-267, fig. 1.
- IND 880 Joseph, K.T. & Sivarajan, V.V. 1984
Dimorphic shoot in *Eleocharis dulcis* (Burm. f.) Henschel. *Journ. Econ. Tax. Bot.* 5 (2) : 489-490.
- IND 881 Kapur, S.K., Sarin, Y.K. & Shahi, A.K. 1985
Bioclimatic approach on studies of biomass productivity index and coefficient variation of certain economic plants. *Journ. Econ. Tax. Bot.* 6 (1) : 216-221.
- IND 882 Katayama, T.C. 1983
Some morphological characters of the cultivated rice grains collected in India (II). *Mem. Fac. Agr. Kagoshima Univ.* 19 : 1-20. Characters analysed from N E India and West. Bengal.
- IND 883 Katayama, T.C. 1983
Distribution & some morphological characters of the wild rice in the Northern India (III). *Mem. Fac. Agr. Kagoshima Univ.* 19 : 21-35.
- IND 884 Katayama, T.C. 1983
Distribution and some morphological characters of the wild rice in the Central India (III). *Mem. Fac. Agr. Kagoshima Univ.* 19 : 37-53.

- IND 885 Maheshwari, J. K. 1985
Current trends in Phytogeography. *Journ. Econ. Tax. Bot.* 7 (1) : i-iv.
- IND 886 Meher-Honji, V.M. & Misra, K.C. 1973
Phytogeography of the Indian Sub-continent, *Progress of Plant Ecology* (ed. R. Misra). pp. 67-71.
- IND 887 Mohan Ram, H.Y. & Kakkar, M. (1983) 1985
Role of tissue culture in the study of aquatic plants. *Bull. Bot. Surv. India* 25 (1-4) : 26-34. The problem and advantages of growing whole plant under axenic condition have been summarised.
- IND 888 Mukherjee A.K. 1984
Revision of the family Nyctaginaceae in India. *Journ. Econ. Tax. Bot.* 5 (3) : 581-590. 6 gen. & 18 spp. recognised in India, Key, deser., distr. phenology & notes.
- IND 889 Mukerjee, N. 1972
Six new taxa of Flacourtiaceae from India and Burma. *Journ. Bombay Nat. Hist. Soc.* 69 : 394
- IND 890 Mukherjee, S.K. & Chandra, D. (1983) 1985
An outline of the revision of Indian Anacardiaceae. *Bull. Bot. Surv. India* 25 (1-4) : 52-61 fig. 1. Enum. of spp., key & discussion on phenology.
- IND 891 Nair, K.K.N. 1984
An interpretation of *Bauhinia* L. (*sensu lato*) species illustrated in van Rheed's Hortus Malabaricus (1678-1703). *Journ. Bombay Nat. Hist. Soc.* 81(2) : 531-534. Enum. & notes on spp. of *Bauhinia* L.
- IND 892 Nayar, M.P. 1984
Extinction of species and concept of rarity of plants. *Journ. Econ. Tax. Bot.* 5 (1) : 1-6. Discussion.
- IND 893 Nayar, M.P. & Das, A.R. (1983) 1985
William Roxburgh (1751-1815) & Nathaniel Wallich (1786-1854). *Bull. Bot. Surv. India* 25 (1-4) : 347-356, photo 2.

IND 894 Nayar, M.P. & Das, A.R. 1984

Glimpse of William Roxburgh through his unpublished letters and his interest in Indian economic botany. *Journ. Econ. Tax. Bot.* 5 (5) : 1159-1176.

IND 895 Nielson, I. 1983

Additional notes on Chinese and Indo-chinese species of *Archidendron* (Legum-Mim). *Acta Phytotax. Sin.* 21 : 164-169.

IND 896 Pai, D.C. & Uniyal, B.P. 1985

Distributional notes on some Indian grasses. *Journ. Bombay Nat. Hist. Soc.* 81 (3) : 735-736.

IND 897 Pande, P.C. & Joshi, G.C. 1985

Further contribution to the host range of *Opuntia elatior* Mill. *Journ. Econ. Tax. Bot.* 7 (1) : 219-220, fig. 6.

IND 898 Paramanik, A. & Thothathri, K. 1983

Notes on the taxonomy, distribution & ecology of *Lespedeza juncea* complex with special reference to India. *Journ. Jap. Bot.* 58 : 331-337.

IND 899 Prance, C.T. (1983) 1985

The ethnobotany of Amazon Indians ; a rapidly disappearing source of botanical knowledge for human welfare. *Bull. Bot. Surv. India* 25 (1-4) : 148-159, fig 5, tab.4 : Tribes of Amazon Indians are in a faster rate of extinction. Discussion on forest and habitat and suggestion for their protection.

IND 900 Rao, A.K. 1985

Habenaria seshagiriana Nageswara Rao—A new name for *H. polytricha* (Hook. f.) Pradhan (Orchidaceae). *Journ. Econ. Tax. Bot.* 6 (1) : 223-226, fig. 2.

IND 901 Rao, C.S. 1981

Work on the *Solanum nigrum* Complex in India. *Solanaceae Newsl.* 2 (1) : 69-74.

IND 902 Rao, S. Madhava & Ramalingam, C. 1965

Studies on grasses with particular reference to their winter fodder production. *Madras Agric. Journ.* 52 : 271-274.

IND 903 Reddi, E.U.B. & Reddi, C.S. 1985

Pollination ecology of *Euphorbia geniculata* (Euphorbiaceae). *Journ. Bombay Nat. Hist. Soc.* 81(3) : 571-582.

IND 904 Safui, B. & Bhattacharya, A. 1984

Some additional notes on economic uses of a few plants of Rubiaceae. *Journ. Econ. Tax. Bot.* 5 (4) : 801-804, Enum. 22 spp.

IND 905 Sahu, T.R. 1984

Studies on the trichomes of some *Euphorbia* species. *Journ. Econ. Tax. Bot.* 5 (5) : 1175-1179.

IND 906 Sanyal Manisha *et al.* 1984

Pharmacognostic evaluation of *Embellia ribes* fruit drug. *Journ. Econ. Tax. Bot.* 5 (5) : 1235-1239.

IND 907 Sanjappa, M. 1984

Endemic species of Indian *Indigofera* L. (Fabaceae-Papilionaceae) and their distribution. *Journ. Econ. Tax. Bot.* 5 (5): 1027-1037.

IND 908 Sanjappa, M. 1984

Descriptive notes on three new or rare Himalayan taxa of *Indigofera* L. (Fabaceae-Papilionoideae). *Journ. Bombay Nat. Hist. Soc.* 81 (2) : 445-451. Description of 3 rare spp.

IND 909 Schultes, R.E. (1983) 1985

Psychoactive plants in need of chemical study. *Bull. Bot. Surv. India* 25(1-4). 160-168, figs. 4. Discussion on some plants employed in magico-religious ceremonies of primitive societies in various parts of the world.

IND 910 Sen, R., Bandopadhyay, S., Biswas, B. & Guha, A. 1985

Ethnobotanical uses of Herbaria-IV *Journ. Econ. Tax. Bot.* 6(2) : 331-335.

IND 911 Sen, R. & Guha, A. 1985

Indian crude drugs in International trade. *Journ. Econ. Tax. Bot.* 6 (3) : 711-715, tab. 1.

IND 912 Sen, R. *et al.* 1984

Ethnobotanical uses of Herbaria III. *Journ. Econ. Tax. Bot.* 5(4) : 795-799. List of 75 spp. with notes on their local uses.

- IND 913 Sen, R. *et al.* 1984
 Botany and ethnobotany of Parashile. *Journ. Econ. Tax. Bot.* 5 (4) : 857-858. Parashi = *Cleistanthus cottinus* Benth. Hook. f.
- IND 914 Sensarma, P. 1984
 Ethnobotanical investigation in the Indian Puranas V. The Kurma Purana. *Journ. Econ. Tax. Bot.* 5 (3) : 634-644. Discussion & list of plants.
- IND 915 Sharma, M. & Bir, S.S. (1983) 1985
 Taxonomic notes on north Indian plants. *Bull. Bot. Surv. India* 25 (1-4) : 46-51, fig. 2. Nomenclature, diagnostic features of 11 controversial taxa.
- IND 916 Singh, N. & Sankar, A.K. 1985
 Studies in Bignoniaceae --IV. List of valid names and synonyms of some plants of Bignoniaceae available in India. *Journ. Econ. Tax. Bot.* 6 (2) : 397-403.
- IND 917 Srivastava, R.C. 1985
 Notes on threatened taxa of Malpighiaceae of India. *Journ. Econ. Tax. Bot.* 6 (1) : 61-72, photo 2.
- IND 918 Srivastava, S.K. & Kapoor, S.L. 1985
 Revision of *Osmanthus* Lour. (Oleaceae) in India. *Journ. Econ. Tax. Bot.* 6 (1) : 143-148, fig. 7.
- IND 919 Srivastava, S.K. & Kapoor, S.L. 1985
 A taxonomic revision of Indian *Olea* Linn. (Oleaceae). *Journ. Econ. Tax. Bot.* 7 (1) : 167-177, fig. 20, table 1. 6 spp recognised, key, deser. notes.
- IND 920 Subramanian, K.N. 1985
Acacia mellifera (Vahl) Benth.—A fast growing tree for social forestry. *Journ. Econ. Tax. Bot.* 6 (2) : 483-484.
- IND 921 Subramanian, K.N. & Jayachandran, C.K. 1984
Acacia robusta—a fast growing potential pulp species. *Journ. Econ. Tax. Bot.* 5 (2) : 439-440, fig. 1.
- IND 922 Subramanyam, K. & Nayar, M.P. 1971
 Plant taxonomy—its past role and future lines of action in India. *Bull. Bot. Surv. India.* 13 : 147-151.

IND 923 Sur, P.R. 1984

Narcotic plants of India. *Journ. Econ. Tax. Bot.* 5 (1) : 143-148. Enum. 23 spp.; notes on narcotic use.

IND 924 Sur, P.R. 1985

A revision of the genus *Microstegium* Nees (Poaceae) in India. *Journ. Econ. Tax. Bot.* 6 (1) : 167-175, map. 1, fig. 2. 7 spp./1 var.

IND 925 Sur, P.R. 1985

Taxonomic revision of the genus *Eulalia* Kunth. (Poaceae) in India. *Journ. Econ. Tax. Bot.* 6(1) : 177-191, map 1, fig. 1 key, descr., distr., phenology, 13 spp./1 var., 6 spp. endemic to India.

IND 926 Sur, P.R. 1985

A review of the genus *Pogonatherum* P. Beauv. (Poaceae) in India. *Journ. Econ. Tax. Bot.* 6 (3) : 663-670, 4 spp. in India key, descr., distr., notes.

IND 927 Thothathri, K. 1983

Studies in Leguminosae -- 31. New taxa & notes on *Dalbergia* L. f. & *Derris* Lour. *Proc. Ind. Acad. Sc. (Pl. Sci.)* 92 : 23-28.

IND 928 Thothathri, K. (1983) 1985

Critical notes on the genus *Dalbergia* Linn. f. *Bull. Bot. Surv. India* 25 (1-4) : 169-173.

IND 929 Thothathri, K. & Jain, S.K. 1981

Taxonomy of the genus *Cajanus* DC. *Proc. Intern. work. Pigeonpeas* 2 : 3-7.

IND 930 Thothathri, K. & Satyanarayana, P. 1984

Ecology, phytogeography and germplasm of the genus *Atylosia* Wight & Arnott (Fabaceae) in India. *Journ. Econ. Tax. Bot.* 5 (3) : 743-746, maps.

IND 931 Vaid, K.M. 1961

New record of the host (*Litsea umbrosa* Nees) for *Korthalsella opuntia* (Thumb.) Merr. *Journ. Bombay Nat. Hist. Soc.* 58 (2) : 549-550.

IND 932 Verma, V. & Sobti, S.N. 1984

Interrelationship of some species of the genus *Cymbopogon* Spreng. (Family Gramineae). *Journ. Econ. Tax. Bot.* 5 (4) : 887-892. Discussion on interrelationship among 6 spp.

IND 933 Wight, R. 1837

Notice (with a plate) of *Cassia burmannii* with remarks on Material of India. *Madras Journ. Lit. & Sci* 6 : 71-75.

IND 934 Wight, R. 1839

Remarks on Mr. Anderson's experiments made in England on Joomla paddy and Mr. Speede's method of treating celesy. *Trans. Agri. Hort. Sci. India* 3 : 166-171.

ANDAMAN AND NICOBAR ISLANDS

Andaman and Nicobar group of islands (Capital Port Blair) is an arched groups of more than 300 islands islets. They are the remnants of two vast mountain ranges connecting Arrak'an Yoma of Burma in the North and Sumatra in the South. The two groups Andaman and Nicobar is separated by 10 Degree Channel. This view is supported by the floristic pattern, as while the Andaman flora bears great affinity to the Burmese & Malayan type, the Nicobar flora is more closely allied to the Malesian.

The Andaman group has a gross length of about 646 km. and can be divided into 3 main islands a) The North Andaman, b) The Middle Andaman and c) The South Andaman. These three together also known as Great Andaman. Further south lies the Little Andaman. Besides these there is a large number of other smaller islands or islets.

Nicobar group lying south of the Andaman covering a gross length of about 150 km. include the important islands like Great Nicobar, Car Nicobar, Chowra, Teressa, Nancowrie, Katchal and Little Nicobar.

The Andaman and Nicobar groups cover amounting about 8293 sq. km. of land. Highest peak is Saddle Peak.

The entire territory is divided into 4 subdivisions and 6 Tehsils as follows :

1. **Sub-Division Mayabunder** : it is divided into 3 Tehsils as follows :
 - a. Diglipur 584 sq. km. ; population 9470.
 - b. Mayabunder : 1347.8 sq. km. ; population 8443.
 - c. Rangat : 1098.2 sq. km. ; population 15243.

2. **Subdivision South Andamans** : Tehsil South Andaman : 3010.4 sq. km. ; population 60312.
3. **Subdivision Car Nicobar** : Tehsil Car Nicobar : 129.0 sq. km. ; population 13504.
4. **Subdivision Nancowrie** : Tehsil Nancowrie : 1823.6 sq. km. ; population 8161.

Vegetation and Important Floristic Elements

Altitude play a direct role in the nature of vegetation and as such the elevation can hardly influence the distribution of vegetation in islands of low altitude and hence climatically the islands may be considered more or less uniform.

The vegetation of Andaman can be broadly divided into the following types with the important components under each type :

1. **Mangrove forest** : *Rhizophora mucronata*, *Bruguiera gymnorhiza*, *Avicennia marina*, *Lumnitzera littorea*, *Excoecaria agallocha*, *Heritiera littoralis*, *Derris trifoliata*, *Acanthus ilicifolius*, *Nipa fruticans* etc.
2. **Beach forest** : *Ipomoea pes-caprae*, *Scaevola frutescens*, *Phyla nudiflora*, *Caesalpinia crista*, *Desmodium umbellatum*, *Barringtonia speciosa*, *Erythrina variegata*, *Pongamia pinnata*, *Calophyllum inophyllum*, *Terminalia catappa*, *Heritiera littoralis*, etc.
3. **Evergreen forest** : *Terminalia bialata*, *Artocarpus chaplasha*, *Pterygota alata*, *Talauma andamanica*, *Pandanus andamanensium*, *Macaranga tanarius*, *Maesa andamanica*, *Clerodendrum viscosum*, *Leea acuminata*, *Thunbergia laurifolia*, *Illigera appendiculata*, *Combretum extensum*, *Saccharum arundinaceum*, *Duabanga sonneratioides* etc.
4. **Deciduous forest** : *Terminalia bialata*, *T. manii*, *Canarium euphyllum*, *Albizzia lebeck*, *Tetrameles nudiflora*, *Streblus asper*, *Zanthoxylum badrunga*, *Diospyros pyrrocarpa*, *Milium grandis*, *Pterospermum aceroides*, *Ventilago madraspatana*, *Linociera terniflora*, *Limonia alata*, *Ixora grandifolia*, *Pothos scandens* etc.
5. **Forests at high elevation** : *Hopea odorata*, *Dipterocarpus griffithii*, *Myristica andamanica*, *Mesua ferrea*, *Podocarpus neriifolia*, *Antidesma diandrum*, *Mallotus recondus*, *Desmodium heterocarpum*, *Daedalacanthus suffruticosus*, *Peristrophe andamanica* etc.

The vegetation of North, Central, South and Car Nicobar differs from one another. In general the vegetation of Nicobar can be divided into the following types with the important elements in each :

1. **Beach vegetation** : This type is more pronounced in Car Nicobar. *Ipomaea pes-caprae*, *Ischaemum muticum*, *Clerodendrum viscosum*, *Desmodium umbellatum*, *Ixora brunnescens*, *Glochidion calocarpum*, *Ophiorrhiza mungos*, *Wedelia scandens*, *Heritiera littoralis*, *Kyllinga monocephala*, *Aerva lanata* etc.
2. **Mangrove forest** : This type is predominant in West Katchal bay, Nancowrie islands, Little Nicobar and Great Nicobar. Dominant species are *Exocoeria agallocha*, *Bruguiera gymnorhiza*, *Rhizophora mucronata*, *Sonneratia acida*, *Nipa fruticans* etc.
3. **Tropical evergreen** : The evergreen type is noticed in Great Nicobar, Katchal, and Kamorta islands. Common species are : *Calophyllum soulatii*, *Garcinia xanthochymus*, *Mangifera sylvatica*, *Anthocephalus cadamba*, *Terminalia procera*, *Litsaea panamonja*, *Maesa ramentacea*, *Dillenia pentagyna*, *Macaranga gigantea*, *Barringtonia racemosa*, *Dinochloa andamanica* etc.
4. **Grasslands** : This types found in the hilly plateaux of Kamorta, Katchal and Nancowrie Islands. Important grasses are : *Fragrostis zeylanica*, *Saccharum spontaneum*, *Heteropogon contortus*, *Chrysopogon aciculatus*, *Scleria cochinchinensis* etc.

Rare Threatened and Endemics

Because of the very small area of distribution for each species the inlands tend to have higher percentage of rare or endemic, 50% of the rest do not occur in the mainland which extend to S.E. Asia including Burma, Thailand and Malesia. A recent survey also has shown that more than 40% of the endemics known from the islands are either lost or in a critical position during the last few years and this is mainly due to human interference for either developmental or rehabilitation process. Some of the rare and endangered endemics are : *Mangifera andamanica*, *Strobilanthes andamanensis*, *Orophea salicifolia*, *Popowia parvifolia*, *Uvaria nicobarica*, *Calamus nicobaricus*, *Hippocratea andamanica*, *H. nicobarica*, *Garcinia cadelliana*, *Ellipanthus calophyllus*, *Ginallia andamanica*, *Gomphandra comosa*, *Glochidion andamanicum*, *Scutellaria andamanica*, *Cyrtandra burtii*, *Neolitsea andamanica*, *N. nicobarica*, *Dendrobium tenuicaulis*, *Habenaria andamanica*, *Eulophia nicobarica*, *Taeniophyllum andamanicum*, *Zeuxine andamanica*, *Cleistocalyx nicobaricus*, *Embelia microcalyx*, *Ardisia andamanica*, *A. andamanica* var. *effusa*, *Ficus andama-*

nica, *Tinospora andamanica*, *Hedyotis andamanica*, *Ophiorrhiza nicobarica*, *Ixora tenuifolia*, *Puhistylis andamanensis*, *Mimusops andamanensis*, *Tetrastigma andamanicum* etc.

Typical Tropical forests are found in the islands and a great variety of timber is produced of which padauk and gurjan are most valuable and are commercially very important. These valuable woods usually grow in Andaman and in this regard Nicobar is less attractive.

The principal crops that help the economy are rice, cocoanuts and arecanuts. Other secondary crops are sugarcane, pulses, fruits, vegetables, spices, rubber etc.

Sanctuaries, National Parks, Reserves

1. **Saddle Peak National Park** : Andaman ; 32.54 sq. km.
2. **North Butten National Park** : Andaman ; 0.44 sq. km.
3. **Middle Butten National Park** ; Andaman ; 0.44 sq. km.
4. **South Butten National Park** : Andaman ; 0.04 sq. km.
5. **Mount Herriet Wildlife Sanctuary** : North Andaman, 46.62 sq. km. ; forest tropical evergreen type.
6. **Nareondam Wild Life Sanctuary** : North Andman ; 6.81 sq. km. ; forest tropical evergreen type ; important faunal representative - hornbill, imperial and green penguin, migratory wader.
7. **Barren Island Wild Life Sanctuary** : North Andaman ; 8.10 sq. km. ; tropical evergreen type forest ; representative animals are green penguin, migratory waders.
8. **North Reef Wild Life Sanctuary** : North Andaman ; 3.50 sq. km. ; forest low tropical evergreen type ; important faunal representatives - ducks, migratory waders, heron.
9. **South Sentinel Wild Life Sanctuary** ; North Andaman ; 1.61 sq. km. ; tropical evergreen and coastal mangrove ; important faunal elements are waders, pigeon.

GENERAL

- ANN 1 Anonymous 1908
The Andaman and Nicobar Islands. Local Gazetteer iv + 67 p.
- ANN 2 Balakrishnan, N.P. (1976) 1979
Burmanna championii Thw. - an addition to the flora of Andaman and Nicobar Islands. *Bull. Bot. Surv. India* 18 (1-4) : 230-231.
- ANN 3 Balakrishnan, N.P. (1977) 1979
Recent botanical studies in Andaman and Nicobar Islands. *Bull. Bot. Surv. India* 19 (1-4) : 132-138.
- ANN 4 Balakrishnan, N.P. (1983) 1985
The Andaman and Nicobar Circle, Botanical Survey of India, Port Blair. *Bull. Bot. Surv. India* 25 (1-4) : 336-340. List of new taxa.
- ANN 5 Balakrishnan, N.P. & Nair, N.G. 1977
New records of plants from Andaman and Nicobar Islands-I. *Indian Forester* 103 : 638-640.
- ANN 6 Balakrishnan, N.P. & Nair, N.G. (1979) 1980
The genus *Amomum* Roxb. (Zingiberaceae) in Andaman and Nicobar Islands. *Journ. Bombay Nat. Hist. Soc.* 76 (1) : 196-199.
- ANN 7 Balakrishnan, N.P. & Nair, R.B. 1979
Wild population of *Areca* and *Cocos* in Andaman and Nicobar Islands. *Indian Journ. Forestry* 2 (4) : 350-363.
- ANN 8 Balakrishnan, N.P. & Vasudeva Rao, M.K. (1979) 1981
Critical notes on the status of *Microstylis andamanica* King & Pant. and *Eulophia decipiens* Kurz. *Bull. Bot. Surv. India* 21 : 177-179.

- ANN 9 Bhargava, N. 1981
Plant in folk-life and folk-lore in Andaman and Nicobar Islands. In : S.K. Jain (ed.) '*Glimpses of Indian Ethnobotany*' 329-344. New Delhi.
- ANN 10 Chakraborty, P. (1979) 1980
New records of plants from Andaman and Nicobar Islands. *Journ. Bombay Nat. Hist. Soc.* 76 (1) : 212-215. Enumeration of 13 spp. 6 new rec. for India, 7 new rec. for Andaman and Nicobar Islands.
- ANN 11 Kloss, C.B. 1902
Andamans and Nicobars. (Repr. ed. 1971) New Delhi.
- ANN 12 Kurz, S. 1870
Report on the vegetation of the Andaman Islands. Calcutta.
- ANN 13 Sahni, K.C. 1958
Mangrove forests in Andaman and Nicobar Islands. *Indian Forester* 84 : 554-562.
- ANN 14 Sangal, P.M. 1971
Food plants of the tribal population of Andaman and Nicobar Islands. *Indian Forester* 97 (7) : 648-650.
- ANN 15 Temple, R.C. 1908
The Andaman and Nicobar Islands, Imperial Gazetteer of India.
- ANN 16 Thothathri, K. 1961
New records of plants from the Andaman and Nicobar Islands. *Journ. Bombay Nat. Hist. Soc.* 58 (1) : 310-317.
- ANN 17 Thothathri, K. (1962) 1963
Contributions to the flora of Andaman and Nicobar Islands. *Bull. Bot. Surv. India* 4 : 280-296. pl. 2.. maps 2.. tt. 6.
- ANN 18 Thothathri, K. (1974) 1977
Interesting and useful plants of the Andaman and Nicobar Islands. *Bull. Indian Mus.* 9 (2) : 26-28.

- ANN 19 Thothathri, K. (1977) 1979
A review of the floristic studies in the Andaman and Nicobar Islands upto 1970. *Bull. Bot. Surv. India* 19 (1-4) : 127-131.
- ANN 20 Thothathri, K. (1980) 1981
Plant resources and their utilization in the Andaman and Nicobar Islands. *Journ. Econ. Tax. Bot.* 1 : 111-114.
- ANN 21 Vasudeva Rao, M.K. (1980) 1982
Some poorly known plants from Andaman and Nicobar Islands. *Bull. Bot. Surv. India* 22(1-4) : 100-104. 2 new rec. *Hygrophila pusilla* Bl. & *Alyxia reinwardtia* Bl. var. *lucida* (Wall.) Mukerjee.
- ANN 22 Vasudeva, Rao, M.K. (1980) 1982
Additions to the Orchidaceae of Andaman and Nicobar islands. *Bull. Bot. Surv. India* 22 (1-4) : 212-213. *Appendicula reflexa* Blume & *Diplospora champloni* (Lindl.) Hook. f. new record for India from the area.
- ANN 23 Vasudeva, Rao, M.K. (1980) 1982
Six neophytes in Andaman & Nicobar islands. *Bull. Bot. Surv. India* 22 (1-4) : 112-114.
- ANN 24 Yoganasimham, S.N., Chelladurai, V. & Togunashi, V.S. 1981
Thelasis pygmaea Lindl.—new addition to the orchid flora of Andaman and Nicobars. *Curr. Sci.* 50 (6) : 284.

ANDAMAN ISLAND

- ANN 25 Balakrishnan, N.P. 1966
Studies in Indian Euphorbiaceae I. *Kurztodendron* : a new genus from Andaman Islands. *Bull. Bot. Surv. India* 8 : 68-71.
- ANN 26 Balakrishnan, N.P. & Bhargava, N. (1978) 1979
Taeniophyllum andamanicum Balak. & Bhargava (Orchidaceae) an interesting new species from Andaman islands. *Bull. Bot. Surv. India* 20 (1-4) : 154-156.

- ANN 27 Balakrishnan, N.P. & Bhargava, N. 1979
Mulleola undamanica Balak. et Bhargava (Orchidaceae) - a new species from Andaman Islands. *Proc. Indian Acad. Sci.* 88B : 317-319.
- ANN 28 Balakrishnan, N.P. & Chakraborty, T. (1983) 1985
 A new species of *Glochidion* J.R.&G. Forst. (Euphorbiaceae) from Middle Andaman Island. *Bull. Bot. Surv. India* 25 (1-4) 220-222, fig. 1. descr.
- ANN 29 Balakrishnan, N.P. & Nair, N.G. 1976
 New records of orchids from Andaman islands. *Bull. Bot. Surv. India* 18 (1-4) : 149-154. 7 new rec. 4 new rec. for India & 3 new rec. for Andamans.
- ANN 30 Balakrishnan, N.P. & Nair, N.G. 1978
 A new variety of *Cnesome javanica* from South Andaman island, India. *Gdn's Bull. Singapore* 31 : 49-50. *C. javanica* Bl. var. *glabriuscula* Balak. & N.G. Nair.
- ANN 31 Balakrishnan, N.P. & Nair, N.G. (1979) 1981
 A new species of *Jasminum* (Oleaceae) from Andaman islands. *Bull. Bot. Surv. India* 21 (1-4) : 214-216.
- ANN 32 Bhargava, N. (1980) 1981
Pterocarpus dalbergioides Roxb. (Fabaceae) in Andaman Islands. *Indian Forester* 106 : 885-886.
- ANN 33 Bhargava, N. & Nair, N.G. (1979) 1981
 Notes on *Zingiber squarrosum* Roxb.—a poorly known Burmese species new to the Indian flora. *Indian Forester* 21 (1-4) : 175-177.
- ANN 34 Bhargava, O.P. 1958
 Tropical evergreen virgin forests of Andaman Islands. *Indian Forester* 84 : 20-29.
- ANN 35 Bhattee, S.S. 1962
 Yield regulation in the Andaman forests. *Indian Forester* 88 : 28-44.

- ANN 36 Bhattee, S.S. 1958
Logging in the Andamans. *Indian Forester* 84 : 191-212
- ANN 37 Bhattee, S.S. & Thampi, C.J. 1963
Important grasses of the Andaman Islands. *Indian Forester* 89 : 223-230.
- ANN 38 Chakraborty, A. (1972) 1975
Identity of *Anacolosa griffithii* Mart. from Andamans. *Bull Bot. Surv. India* 14 : 171-172.
- ANN 39 Chakraborti, A. & Jain, S. K. 1973
On the genus *Zornia* Gmels. (Fabaceae) in India and Ceylone. *Curr. Sci.* 42 : 744-745.
- ANN 40 Chengapa, B.S. 1944
Andaman forests and their generation I. *Indian Forester* 70 : 297-304.
- ANN 41 Gamble, J.S. 1903
A Preliminary List of the Plants of the Andaman Islands Port Blair.
- ANN 42 Grant, Capt. B. 1895
The orchids of Burma (including the Andaman Islands) described. Rangoon.
- ANN 43 Kurz, S. 1870
Report on the vegetation of the Andaman Islands. Accompanied by a report on the forest with a map, Calcutta.
- ANN 44 Nair, N.G. 1978
New distributional records of two *Symplocos* from Andaman Islands. *Indian Journ. Forestry* 1 : 132.
- ANN 45 Nair, N.G. 1978
Rauvolfia sumatrana Jacq. from South Andaman Island-- new to Indian flora. *Geobios* 5(4) : 178-179, fig. 1.
- ANN 46 Nair, N.G. (1976) 1979
Eryctbe griffithii (Convolvulaceae)—a new record for India. *Bull. Bot. Surv. India* 18(1-4) : 232-233.

ANN 47 Parkinson, C.E. 1923

A Forest Flora of the Andaman Islands, Scinla.

ANN 48 Prain, D. 1890

The non-indigenous species of the Andaman Flora. *Journ. Asiat. Soc. Bengal* 11, 59 : 235-261 (Reprinted in Mem. and Memoir. 25-51. 1894).

ANN 49 Srivastava, S.K. & Kapoor, S.L. (1983) 1985

A new subspecies of *Jasminum cordifolium* Wall. ex. G. Don (Oleaceae) from Andaman Islands. *Bull. Bot. Surv. India* 25(1-4) : 217-219, fig. 1, table 1.

ANN 50 Thothathri, K. 1960

Studies on the flora of the Andaman Islands. *Bull. Bot. Surv. India* 2 : 357-373, tabs. 4, map 1.

ANN 51 Thothathri, K. 1965

A new species of *Hypoestes* from the Andaman Islands. *Reinwardtia* 7 : 1-3.

ANN 52 Thothathri, K. (1966) 1967

Pubistylis Thoth : an interesting new genus of Rubiaceae from the Andaman Islands. *Reinwardtia* 7 : 283-286.

ANN 53 Thothathri, K. & Das, D. 1967

A new Annonaceae from the Andaman Islands. *Journ. Bombay Nat. Hist. Soc.* 64 : 430-431.

Little Andaman

ANN 54 Bhargava, N. 1978

On natural blooming of the orchid : *Calanthe triplicata* (Willd.) Ameg. in Little Andaman Island. *Amer. Orch. Soc. Bull.* 47 : 1011-1015.

ANN 55 Bhargava, N. & Balakrishnan, N.P. 1978

Pteroceras appendiculata (Bl.) Holtt. --a record of Malaysian species from Little Andaman Island. *Geobios* 5 : 136-137. Rec. for India., previously known from Thailand, Malasia and Java.

ANN 56 Prain, D. 1891

On a botanical visit to Little Andamans and Nicobars. *Proc. Asiat. Soc. Bengal Dec.* 1891 : 156-175 (Reprinted in *Mem. and Memoir.* 216-235, 1894).

ANN 57 Thothathri, K. 1966

The 'Tonyoge' plant of Little Andaman. *Indian Forester* 92 : 530-532.

ANN 58 Thothathri, K. 1975

Botanical exploration in Baratang and Little Andaman Islands. *Indian Forester* 101 : 176-181. List of rec.

Coco Group**ANN 59 Prain, D. 1891**

The vegetation of the Coco Group. *Journ. Asiat. Soc. Bengal* II, 60 : 283-406. (Reprinted in *Mem. and Memoir.* 93-261 1894).

Diamond Island**ANN 60 Prain, D. 1890**

A list of Diamond Island Plants. *Journ. Asiat. Soc. Bengal* 59 : 271-294. (Reprinted in *Mem. and Memoir.* 53-76, 1894).

Katchal Island**ANN 61 Chakraborty, P. (1979) 1981**

Contribution to the flora of Katchal Island, in Andaman Nicobars. *Bull. Bot. Surv. India* 21(1-4) : 1-70. Enum. 340 spp. Angiosperms, Gymnosperms & ferns ; 8 new rec. for India; 8 new rec. for Andaman and Nicobar.

Narcondam Island**ANN 62 Prain, D. 1893**

On the flora of Narcondam and Barren Islands. *Journ. Asiat. Soc. Bengal* II, 62 : 39-86, maps 2. (Reprinted in *Mem. and Memoir.* 253-300, maps 2. 1894).

Barren Island

ANN 63 Prain, D. 1893

See Prain. D. 1893 under Narcondam Island.

Nicobar Island

ANN 64 Balakrishnan, N.P. 1976

Cyrtandra and *Cyrtandromoea* on the Nicobar Islands, India. *Notes R. Bot. Gdn. Edinb.* 35 : 115-120. 1 comb. nov., 1 new sp.

ANN 65 Balakrishnan, N.P. & Burtt, B.L. 1978

Studies in the Gesneriaceae of the Old World XLVI. A second *Cyrtandra* on the Nicobar Islands. *Notes R. Bot. Gdn.* 37 : 153-156.

ANN 66 Balakrishnan, N.P. & Chakraborty, P. (1978) 1179

Descriptive notes on some new or little known orchids of Nicobar Islands. *Bull. Bot. Surv. India* 20(1-4) : 80-90: 1 sp. nov., 9 new rec. for India; 1 new rec. for Nicobar Island.

ANN 67 Balakrishnan, N.P. & Chakraborty, P. 1978

A new species of *Macaranga* from Nicobar Islands. *Gdn's Bull. Singapore* 31 : 57-60. *M. nicobarica* Balak. & Chakrab.

ANN 68 Bille, Commod Steen 1849

Remarks on the flora 1845-1847, of Nicobar Islands (tran. G.N. Wallich) in *Beretning Om Covertten Galathea's Reise Omkring Jorden* 1 : 1849.

ANN 69 Bremekamp, C.E.B. 1959

New *Isora* species from Bengal, Burma and Nicobar Islands. *Indian Forester* 85 : 371-375. *I. longibracteata* Bremek.

ANN 70 Das, Debika (1969) 1971

Artabotrys nicobarianus D. Das — a new species from the Nicobar Islands. *Bull. Bot. Surv. India* 11(1 & 2) : 194-195. pl. 1.

ANN 71 Kurz, S. 1875

Descriptions of new plants from the Nicobar Islands (including a few from Andaman Islands). *Trimens Journ. Bot.* 13 (n.s. Vol. 4) : 321-333.

ANN 72 Kurz, S. 1876

A sketch of the vegetation of the 'Nicobar Islands. *Journ. Asiat. Soc. Bengal* 45(3) : 105-164, tt. 12-13.

ANN 73 Lewis, Walter, H. 1966

Hedyotis nicobarensis Lewis nom. nov. *Ann. Miss. Bot. Gdn.* 53 : 109.

ANN 74 Prain, D. 1891

See Prain, D. 1891 under 'Little Andaman'.

ANN 75 Sahoo, K.C. & Naithani, H.B. 1979

Pteroceras alatum - a rare orchid new for India. *Indian Journ. Forestry* 2(4) : 292-293.

ANN 76 Thothathri, K. 1963

A new variety of *Jasminum multiflorum* (Burm. f.) Andr. from the Nicobar Islands. *Bull. Bot. Surv. India* 5(1) : 99-100.

ANN 77 Thothathri, K. 1964

A note on *Chydenanthus excelsus* (DC.) Miers. from the Nicobar Islands. *Curr. Sci.* 33 : 26-27.

ANN 78 Wallich, N. 1950

Remarks on the flora of the Nicobar Islands (Translated from Commodore Steen Bille's 'Beretning om Corvetten Gala Thea's Reise Omkring Jorden). *Hooker's Journ. Bot.* 2 : 1-11.

Car Nicobar Island

ANN 79 Balakrishnan, N.P. & Nair, N.G. (1973) 1976

Eulophia nicobarica Balak. & N.G. Nair (Orchidaceae)--a new species from Car Nicobar Islands. *Bull. Bot. Surv. India* 15 : 271-273.

ANN 80 Balakrishnan, N.P. & Nair, N.G. 1977

Two new records of plants from Car Nicobar Island, India. *Geobios* 4 : 221.

ANN 81 Nair, N.G. 1975

Leea angulata Korth. ex Miq.--a new record for India from Car Nicobar Island. *Sci. & Cult.* 41 : 543-544.

ANN 82 Nair, N.G. 1976

Diospyros multibracteata (Merr.) Bakh. (Ebenaceae) on Car Nicobar Island, India. *Kalikason* 5 : 325-328.

ANN 83 Nair, N.G. 1977

Two new records of plants from Car Nicobar Island, India *Geobios* 4 : 221. *Garcinia urucasa* Miq. & *Cuscutaria fuliginosa* (Blanco) Blanco.

ANN 84 Nair, N.G. 1979

A study on the grasslands of Car Nicobar Island. *Indian Journ. Forestry* 2(3) : 254-260. Discussion and enum. with new rec. map 1.

ANN 85 Srinivasan, K.S. 1960

On the fore-shore vegetation of Malacca Coast of the Car Nicobar Island. *Bull. Bot. Surv. India* 2 (1 & 2) : 15-25. Plant list.

ANN 86 Thothathri, K. (1960) 1961

Botanical exploration in Car Nicobar and Noncoury Islands. *Bull. Bot. Surv. India* 2 : 341-346. maps 2. Plant list.

Great Nicobar Island

ANN 87 Balakrishnan, N.P. 1978

A new *Phrynium* (Marantaceae) from Great Nicobar Island, India. *Blumea* 24 : 185-187.

ANN 88 Balakrishnan, N.P. 1980a

A new genus of Rubiaceae from Great Nicobar Islands, India *Journ. Bombay Nat. Hist. Soc.* 77 : 116-120

ANN 89 Balakrishnan, N.P. 1980b

A new species of *Ophiorrhiza* (Rubiaceae) from Great Nicobar Island, India. *Reinwardtia* 9 : 411-414.

ANN 90 Balakrishnan, N.P. & Thothathri, K. (1975) 1978

Phanera nicobarica Balkar, & Thoth. (Caesalpinaceae)—a new and interesting species from Great Nicobar Island. *Bull. Bot. Surv. India* 17 (1-4) : 201-203.

- ANN 91 Hore, D.K. & Balakrishnan, N.P. 1985
Orchids of Great Nicobar and their conservation. *Journ Bombay Nat. Hist. Soc.* 81(3) : 616-635.
- ANN 92 Nair, N.G. 1974
A new record of *Astronia macrophylla* Bl. from Great Nicobar and its phytogeographical significance. *Curr. Sci.* 43 : 665-666.
- ANN 93 Sahni, K.C. 1953
Botanical exploration in the Great Nicobar Island. *Indian Forester* 79(1) : 3-16, maps 2, tt. 3.
- ANN 94 Thothathri, K. & Balakrishnan, N.P. 1983
Mangifera comptosperma Pierre. An interesting addition from Great Nicobar Islands. *Bull. Bot. Surv. India* 29 : 175-176.
- ANN 95 Thothathri, K. & Banerjee, S.P. 1977
Lusianthera secundiflora Miq. (Icac.)—a new record for India from Car Nicobar Island. *Indian Forester* 103(11) : 708-709.
- ANN 96 Thothathri, K., Banerjee, S.P. & Hajra, P.K. 1972
Mapania cuspidata (Miq.) Vitt. var. *angustifolia* (Vitt.) Vitt. ; an interesting Cyperaceae from the Great Nicobar Island. *Indian Forester* 98 : 708-709.
- ANN 97 Thothathri, K., Banerjee, S.P. & Hajra, P.K. 1975
Merremia peltata (Linn.) Merr.—a new record to Indian flora from Great Nicobar Island. *Curr. Sci.* 33 : 95, fig. 1.
- ANN 98 Thothathri, K., Banerjee, S.P. & Hajra, P.K. (1973) 1976
New records of Malesian plants from Great Nicobar Island. *Bull. Bot. Surv. India* 15 : 163-166.
- ANN 99 Thothathri, K., Banerjee, S.P., Mukherjee, P.K., Hajra, P.K. & Pal, G.D. (1973) 1976
Botanical results of the joint scientific expedition to the Great Nicobar Island. *Bull. Bot. Surv. India* 15(3 & 4) : 235-265. Plant list, economic use of plants.

ADDITIONS

- ANN 100 Balakrishnan, N.P. & Chakraborty, T. 1984
A new variety of *Trigonostemon auranticus* (Euphorbiaceae) from Andamans. *Journ. Econ. Tax. Bot.* 5 (1) : 169-171, photo 1. *T. auranticus* var. *rubriflorus*.
- ANN 101 Balakrishnan, N.P. & Chakraborty, T. 1984
The female of *Baliospermum corymbiferum* Hook. f. (Euphorbiaceae). *Journ. Econ. Tax. Bot.* 5 (2) : 249-250.
- ANN 102 Chakraborty, T. 1985
Margaritaria (Euphorbiaceae)—A new generic record for the Andamans. *Journ. Econ. Tax. Bot.* 6 (2) : 262. *M. indica* (Dalz.) Airy shaw.
- ANN 103 Chakraborty, T. 1985
Notes on *Claoxylon rostratum* (Euphorbiaceae). *Journ. Econ. Tax. Bot.* 6 (2) : 451-452.
- ANN 104 Chakraborty, T. 1985
Notes on Euphorbiaceae of Andaman. *Journ. Econ. Tax. Bot.* 6 (2) : 493-498.
- ANN 105 Chakraborty, T. & Rao, M.K.V. 1984
Does *Baccaurea javanica* (Euphorbiaceae) occur in India. *Journ. Econ. Tax. Bot.* 5 (4) : 957-958.
- ANN 106 Chakraborty, T. & Rao, M.K.V. 1984
A new species of *Spyranthera* (Euphorbiaceae) from North Andaman Island. *Journ. Econ. Tax. Bot.* 5 (4) : 959-961.
- ANN 107 Chakraborty, T. & Rao, M.K.V. 1985
Drypetes microphylla (Euphorbiaceae) on great Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 442.
- ANN 108 Chakraborty, T. & Rao, M.K.V. 1985
Drypetes sumatrana (Euphorbiaceae) in India. *Journ. Econ. Tax. Bot.* 6 (2) : 474-476.
- ANN 109 Chakraborty, T. & Rao, M.K.V. 1985
Iodes (Icacinaceae)—a new generic record for Andaman Nicobar Islands. *Journ. Econ. Tax. Bot.* 6 (2) : 472-474. *cirrhotia*.

ANN 110 Goel, A.K. & Merhotra, B.N. 1985

Rediscovery of *Neonauclea ragera* (king) Merrill (Rubiaceae) from South Andamans in Andaman and Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 447-448.

ANN 111 Johri, S.C. 1987

Ipomaea aculeata Blume var. *aculeata* (Convolvulaceae)—a new record for Andaman Nicobar Islands. *Journ. Econ. Tax. Bot.* 5 (2) : 431-432.

ANN 112 Mehrotra, A. & Chakraborty, T. 1985

Notes on *Utricularia striata* J. Sm. (Lentibulariaceae). *Journ. Econ. Tax. Bot.* 6 (2) : 414.

ANN 113 Rao, M.K.V. 1985

Rostellularia andamanica Vasudev. (Acanthaceae)—a new species from Andaman Island. *Journ. Econ. Tax. Bot.* 6 (3) : 719-720.

ANN 114 Rao, M.K.V. 1985

Willughbeia Roxb. (Apocynaceae)—a new generic record for Andaman-Nicobar Islands. *Journ. Econ. Tax. Bot.* 6 (3) : 725-726. *W. edulis* Roxb.

ANN 115 Rao, M.K.V. & Chakraborty, T. 1984

Embellia viridiflora (A.DC.) Scheff. (Myrsinaceae) in the Andaman Nicobar Islands. *Journ. Econ. Tax. Bot.* 5 (4) : 933-934.

ANN 116 Rao, M.K.V. & Chakraborty, T. 1984

New and noteworthy *Glochidion* species (Euphorbiaceae) from Andaman-Nicobar Islands. *Journ. Econ. Tax. Bot.* 5 (4) : 935-938, photo 1.

ANN 117 Rao, M.K.V. & Chakraborty, T. 1985

Euonymus cochinchinensis (Celastraceae) - a new record for India. *Journ. Econ. Tax. Bot.* 6 (2) : 266.

ANN 118 Rao, M.K.V. & Chakraborty, T. 1985

Drypetes longifolia (Euphorbiaceae) in Andamans. *Journ. Econ. Tax. Bot.* 6 (2) : 445.

- ANN 119 Rao, M.K.V, Chakraborty, T., Dagar, H.S. 1985
Ixora cuneifolia (Rubiaceae) rediscovered on the Andamans.
Journ. Econ. Tax. Bot. 6 (2) : 437-438.
- ANN 120 Yoganarasimhan, S.N., Shantha, T.R., Keshava Murthy, K.R.
 & Vasudevan Nair, K. 1984
 Medico Botany of Andaman and Nicobar Islands-II. elucidation of Medical plants. *Journ. Econ. Tax. Bot.* 5(2) : 297-320.
 Enum. 210 spp./191 gen./79 fam.

Car Nicobar

- ANN 121 Chakraborty, T & Rao, M.K.V. 1984
 A new species of *Bridelia* (Euphorbiaceae) from Car Nicobar Island. *Journ. Econ. Tax. Bot.* 5 (4) : 945-947, fig. 1. *B. nicobariana*. Descr.

Dhanikhari

- ANN 122 Rao, M.K.V. & Chakraborty, T. 1985
 A new species of *Cryptocarya* (Lauraceae) from South Andaman Island. *Journ. Econ. Tax. Bot.* 6 (2) : 446. *C. insularis*.

Great Nicobar Island

- ANN 123 Chakraborty, T. 1984
Mallotus penangensis Muell.-Arg. (Euphorbiaceae)—a new record for India. *Journ. Econ. Tax. Bot.* 5 (1) : 217-218.
- ANN 124 Chakraborty, T. 1984
 A new species of *Cleistanthus* (Euphorbiaceae) from Great Nicobar Island. *Journ. Econ. Tax. Bot.* 5 (4) : 951-954, fig. 1. *C. balakrishnanii*.
- ANN 125 Chakraborty, T. 1985
 A new species of *Schefflera* (Araliaceae) from Great Nicobar Island. *Journ. Econ. Tax. Bot.* 6(2) : 421-423, photo. 1. descr. *S. pushpangadonii*.
- ANN 126 Chakraborty, T. 1985
Blumeodendron tokbari (Euphorbiaceae)—a new record for India. *Journ. Econ. Tax. Bot.* 6 (2) : 430.

- ANN 127 Chakraborty, T. & Rao, M.K.V. 1984
Barringtonia pendula and *B. reticulata* (Lecythydaceae) in India. *Journ. Econ. Tax. Bot.* 5 (4) : 955-956.
- ANN 128 Chakraborty, T. & Rao, M.K.V. 1984
 A new variety of *Nothaphoebe panduriformis* (Lauraceae) from Great Nicobar Island. *Journ. Econ. Tax. Bot.* 5 (4) : 997-998. var. *paucinervia*.
- ANN 129 Chakraborty, T. & Rao, M.K.V. 1985
 Range extension of *Palaequium sukoei* (Sapotaceae). *Journ. Econ. Tax. Bot.* 6 (2) : 418.
- ANN 130 Chakraborty, T. & Rao, M.K.V. 1985
 A new species of *Nothaphoebe* (Lauraceae) from Great Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 443-444. *N. nicobarica*.
- ANN 131 Chakraborty, T. & Rao, M.K.V. 1985
 First record of Sabiaceae for Andaman Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 453. *M. lanceolata*.
- ANN 132 Chakraborty, T. & Roy, A.K. 1984
 Range extension of *Antidesma tetrandrum* Bl. (Stilaginaceae). *Journ. Econ. Tax. Bot.* 5 (1) : 168.
- ANN 133 Hore, D.K., Rao, M.K.V. & Chakraborty, T. 1985
Pangium (Flacourtiaceae)—a new generic record for India. *Journ. Econ. Tax. Bot.* 6 (2) : 417.
- ANN 134 Rao, M.K.V. 1985
Gentianthus horei Vasud. (Asclepiadaceae)—a new species from Great Nicobar Island, India. *Journ. Econ. Tax. Bot.* 6 (3) : 732-733.
- ANN 135 Rao, M.K.V. & Chakraborty, T. 1984
Indrouchera Hall. f. (Linaceae)—a new generic record for India. *Journ. Econ. Tax. Bot.* 5 (4) : 931-932. *I. griffithiana* (Planch.) Hall. f.
- ANN 136 Rao, M.K.V. & Chakraborty, T. 1985
Ochthocharis barnensis (Melastometaceae) in India. *Journ. Econ. Tax. Bot.* 6 (2) : 419-420.

ANN 137 Rao, M.K.V. & Chakraborty, T. 1985

A new species of *Friesodielsia* (Annonaceae) from Great Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 435-436. *F. khoshooi*.

ANN 138 Rao, M.K.V. & Chakraborty, T. 1985

Xanthophyllum vitellinum (Polygalaceae)—a new record for India. *Journ. Econ. Tax. Bot.* 6 (2) : 444.

Lafu

ANN 139 Chakraborty, T. 1985

Excoecaria indica (Euphorbiaceae) on Great Nicobar Island. *Journ. Econ. Tax. Bot.* 6 (2) : 438.

Kutland Island

ANN 140 Chakraborty, T. & Basu, P. 1985

Aporosa nigricans (Euphorbiaceae)—a new record for India. *Journ. Econ. Tax. Bot.* 6 (2) : 432.

ANN 141 Rao, M.K.V. & Chakraborty, T. 1984

A new species of *Hypoestes* (Acanthaceae) from Andaman. *Journ. Econ. Tax. Bot.* 5 (4) : 989-990. *H. thothathrii*.

Saddle Peak

ANN 142 Chakraborty, T. & Rao, M.K.V. 1985

The male plant of *Sphyrantha airyshawii* (Euphorbiaceae). *Journ. Econ. Tax. Bot.* 6 (2) : 429-430.

ANN 143 Rao, M.K.V. & Chakraborty, T. 1984

A new species of *Casearia* (Flacourtiaceae) from North Andaman Island. *Journ. Econ. Tax. Bot.* 5 (4) : 291-292. *C. insularis*.

ANDHRA PRADESH

Andhra Pradesh (Capital Hyderabad) is the fifth largest state in India. Geographically the state may be divided into four distinct geographical sectors.

- (i) *Eastern Ghats* : A chain of broken hill ranges extending parallel to the coast. The Eastern Ghats of Andhra Pradesh consists

of Khondalite zone of the Bastar mass in the north to Cuddapah ranges which includes western area (Erramalai, Sesachalam—Palkonda hills), Palkonda scarp and Eastern ridges (Nallamalais, Velikondas). The highest peak is Mahindragiri (1640m).

- (ii) *Coastal Plains* : The low lying coastal strip from the north to south including Godavari and Krishna delta.
- (iii) *The Peneplain* : Between the Eastern Ghats and the Coastal plains.
- (iv) *Telangana & Anantapur, (Chittoor basins)* : Between the Eastern Ghats and the south Deccan Plateaus which includes Lower Godavari, Hyderabad, Bellary peneplains, Richur Doab, Chatravati, Papagni, Cheyyur Bahuda, Suvarnamukhi valley.

The state is divided into the following Revenue Districts. The population figures (1981) census is provisional.

1. **Anantapur** : 19125 sq. km. Population 2545850. Dist. Hq. Anantapur.
2. **Adilabad** : 16133 sq. km. Population 1626688. Dist. Hq. Adilabad.
3. **Chittoor** : 15763 sq. km. Population 2729174. Dist. Hq. Chittoor.
4. **Cuddapah** : 15356 sq. km. Population 1917736. Dist. Hq. Cuddapah.
5. **E. Godavari** : 10940 sq. km. Population 3700064. Dist. Hq. Kakinada.
6. **Guntur** : 11373 sq. km. Population 3451343. Dist. Hq. Guntur.
7. **Hyderabad** : 217 sq. km. Population 2279387. Dist. Hq. Hyderabad.
8. **Karimnagar** : 11824 sq. km. Population 2433399. Dist. Hq. Karimnagar.
9. **Khammam** : 15866 sq. km. Population 1739515. Dist. Hq. Khammam.
10. **Krishna** : 8734 sq. km. Population 3050485. Dist. Hq. Masulipatanam.
11. **Kurnool** : 18799 sq. km. Population 2382501. Dist. Hq. Kurnool.
12. **Mahabubnagar** : 18419 sq. km. Population 2456111. Dist. Hq. Mahabubnagar.

13. **Medak** : 9685 sq. km. Population 1805409. Dist. Hq. Sangareddy.
14. **Nalgonda** : 14242 sq. km. Population 1819778. Dist. Hq. Nalgonda.
15. **Nellore** : 13058 sq. km. Population 2004914. Dist. Hq. Nellore.
16. **Nizamabad** : 7969 sq. km. Population 1873375. Dist. Hq. Nizamabad.
17. **Prakasam** : 17620 sq. km. Population 2302014. Dist. Hq. Ongole.
18. **Srikakulam** : 5843 sq. km. Population 1943749. Dist. Hq. Srikakulam.
19. **Visakhapatnam** : 10927 sq. km. Population 2563438. Dist. Hq. Visakhapatnam.
20. **Vizianagaram** : 6538 sq. km. Population 1802947. Dist. Hq. Vizianagaram.
21. **Warangal** : 12857 sq. km. Population 2297699. Dist. Hq. Warangal.
22. **W. Godavari** : 7780 sq. km. Population 2865786. Dist. Hq. Eluru.

Vegetation and Important Floristic Elements

- (i) **Vegetation of Eastern Ghats** : A varied type of vegetation exists that consist largely herbs together with few shrubs and trees on the plains, scrubs at foot jungles and dry deciduous forests at hill tops. Some of the important floristic elements are -- *Tephrosia hirta*, *Zizyphus mauritiana*, *Z. xylopyrus*, *Vitex negundo*, *Portulaca oleracea*, *Indigofera cordifolia*, *Knoxia mollis*, *Dicliptera zeylanica*, *Plectranthus mollis*, *Crotalaria medicaginea*, *Blepharis maderaspatensis*, *Mollugo cerviana*, *Grewia rotundifolia*, *Euphorbia antiquorum*, *Abrus precatorius*, *Cardiospermum halicacabum*, *Waltheria indica*, *Pavonia zeylanica*, *Hibiscus micranthus*, *Bauhinia racemosa*, *Barleria acuminata* etc.
- (ii) **Vegetation of the Penneplaja** : The vegetation ranges from tropical mixed deciduous to dry deciduous type. Some important representatives are -- *Bombax ceiba*, *Albizia chinensis*, *Terminalia tomentosa*, *Lagerstroemia parviflora*, *Mallotus philippensis*, *Dillenia pentagyna*, *Bridelia retusa*, *Mimosa rubicunda*, *Bauhinia racemosa*, *Cassia fistula*, *Cissus vitiginea*, *Barleria acuminata*, *Jasminum auriculatum* etc.
- (iii) **Coastal vegetation** : It occupies a major part of the Coastal Andhra Pradesh and is approximately two-third part of the

Peninsular India along the east coast. Vegetation is broadly strand vegetation and Estuarine vegetation. Important components are—*Ipomoea pes-caprae*, *Tribulus terrestris*, *Portulaca tuberosa*, *Phyla nodiflora*, *Spinifex littoreus*, *Phyllanthus rotundifolius*, *Crotalaria linifolia*, *Culotropis procera*, *Prosopis cineraria*, *Morinda citrifolia*, *Hemidesmus indicus*, *Streblus asper*, *Plectro- nia parviflora*, *Ammania baccifera*, *Trianthema portulacastrum*, *Argemone mexicana*, *Desmodium laxiflorum*, *Acanthospermum hispidum*, *Rhizophora mucronata*, *Bruguiera gymnorrhiza*, *Avicen- nia alba*, *Aegiceras corniculatum*, *Excoecaria agallocha*, *Caesal- pinia crista*, *Dalbergia spinosa*, *Derris trifoliata*, *Lumnitzera racemosa*, *Acanthus ilicifolius*, *Memecylon umbellatum* etc.

Some Rare, Threatened and Endemics

Though a number of plants are common to Western and Eastern Ghats but a number of plants are restricted to the both regions as well. In the coastal area of Andhra Pradesh, Visakhapatnam contain many endemic species. Some endemic elements in Andhra Pradesh are as follows : *Cratogeomys polyanthum*, *Eriolaena fushingtonii*, *Sterculia populni- folia*, *Capparis rotundifolia*, *Boswellia ovalifoliolata*, *Olex nana*, *Zizyphus horrida*, *Crotalaria rigida*, *Acacia campbellii*, *Albizia thomsonii*, *Memecylon madagolense*, *Osbeckia hispidissima*, *Lastanthus truncatus*, *Andrographis beddomei*, *Dicliptera beddomei*, *Nilgiritanthus circarensis*, *Psilostachys sericea*, *Chamaesyce linearifolia*, *Lasiococca comberi*, *Phyllanthus narayana- swamii*, *Cycas beddomei*, *Alocasia montana*, *Chrysopogon velutinus*, *Heteropogon bellariensis*.

Andhra Pradesh produces a large variety of cash crops and is rightly a surplus state in the South. Main agricultural crops are paddy, bajra, jowar, maize, groundnut, tobacco, cotton, castor etc. As dense forests are found in Visakhapatnam, East Godavari, West Godavari and Kurnool producing good quality of timber, bamboos, beedi leaves etc. forestry based industry like paper mills are founded.

Sanctuaries, National Parks

1. **Coringa Wild Life Sanctuary** : East Godavari Dist. 235 sq. km. Tropical moist deciduous swamps. Key faunal representatives : stork, heron, flamingo, crocodiles, water birds.
2. **Rtunagram Wild Life Sanctuary** : Warangal Dist. 803 sq. km. Tropical moist deciduous and thorns, Key faunal represen- tatives : Tiger, panther, gaur, sambar, blackbuck, four horned antelope.

3. **Ikshwaka Wild Life Sanctuary** : Nalgonda Dist. Tropical dry deciduous and thorns. Key faunal representatives : tiger, panther, sloth bear, barking deer, spotted deer, sambar, blue bull.
4. **Kawal Wild Life Sanctuary** : Adilabad Dist. 890 sq. km. Tropical mixed deciduous. Key faunal representatives : tiger, panther, sloth bear, gaur, sambar, spotted deer, black buck.
5. **Kinwai Wild Life Sanctuary** : Adilabad Dist. Tropical mixed deciduous. Key faunal representatives : tiger, panther, hyaena, sambar, blue bull.
6. **Kinnersani Wild Life Sanctuary** : Khammam Dist. 635 sq. km. Tropical dry deciduous swamps. Key faunal representatives : tiger, panther, sloth bear, gaur, blue bull, crocodile.
7. **Kolleru Wild Life Sanctuary** : W. Godavari Dist. 673 sq. km. Tropical moist deciduous swamp. Key faunal representatives : Pelican, storks, water fowl.
8. **Krishna Wild Life Sanctuary** : Krishna Dist. Tropical moist deciduous swamps. Key faunal representatives : Crocodile, water birds.
9. **Lanjamadugu Wild Life Sanctuary** : Adilabad Dist. (Karimnagar) 36.20 sq. km. Tropical mixed deciduous. Key faunal representatives : crocodile, tiger, panther, sloth bear, sambar, blue bull.
10. **Manjira Wild Life Sanctuary** : Medak Dist. 20 sq. km. Tropical moist deciduous swamps. Key faunal representatives : crocodile, water birds.
11. **Nagarjunsagar, Srisaïlam Sanctuary** : Districts of Guntur, Prakasam, Kurnool, Mahaboobnagar, Nalgonda. 3568 sq. km. Tropical dry deciduous—thorny. Key faunal representatives : tiger, panther, sloth bear, spotted deer, black buck, blue bull.
12. **Neelapattu Bird Sanctuary** : Nellore Dist. 88 sq. km. Tropical moist deciduous—swamps. Key faunal representatives : water birds, grey pelican, waders.
13. **Pappikonda Wild Life Sanctuary** : Districts of Khammam, E. Godavari, W. Godavari—591 sq. km. Tropical moist deciduous swamps. Key faunal representatives : tiger, panther, wild dog, hyaena, wolves, gaur, four horned antelope, sambar.

14. **Pocharam Wild Life Sanctuary** : Medak Dist. 129.50 sq. km. Tropical mixed deciduous. Key faunal representatives : panther, spotted deer, chinkara, pea fowl, water bird.
15. **Pranahita Wild Life Sanctuary** : Adilabad Dist. 136.02 sq. km. Tropical mixed deciduous. Key faunal representatives : tiger, blackbuck.
16. **Pulicat Wild Life Sanctuary** : Nellore Dist. 500 sq. km. Tropical moist deciduous swamps. Key faunal representatives : water birds, pelican, flamingo, water fowl, storks, crane.

REFERENCES

General

- ANP 1 Balakrishnan, N.P. & Subramanyam, K. 1960
A new species of *Euphorbia* from South India. *Bull. Bot. Surv. India* 2 : 175 - 176. fig. 11. *E. senguptai*.
- ANP 2 Chandrabose, K. & Nair, N.C. 1981
The genus *Polygala* L. (Polygalaceae) in Andhra Pradesh & Tamil Nadu (South India). *Proc. Indian Acad. Sci.* 90 (2) : 107 - 127.
- ANP 3 Desmond, R. 1977
William Roxburgh, Plants of the Coast of Coromandel. *Hortulus Aliquando* 2 : 22 - 41.
- ANP 4 Elliot, W. 1859
Flora Andhrica : a vernacular and botanical list of plants commonly met with in the Telegu districts of the Northern Circars, Madras.
- ANP 5 Ellis, J.L. (1966) 1967
Euphorbia linearifolia Roth. var. *nallamalayana* Ellis a new variety from Andhra Pradesh, South India. *Bull. Bot. Surv. India* 8 : 345 - 346. fig. 9.
- ANP 6 Ellis, J.L. & Swaminathan, M.S. 1969
A new variety of *Crotalaria madurensis* from South India. *Journ. Bombay Nat. Hist. Soc.* 66 : 227 - 228, pl. 1. *C. madurensis* var. *kurnoolica*.

- ANP 7 Karthikeyan, S. (1971) 1974
A contribution to family Gramineae of the flora of the Presidency of Madras. *Bull. Bot. Surv. India* 13 (3 & 4) : 175-179. Enum. 78 spp. 7 new rec.
- ANP 8 Karthikeyan, S. (1972) 1975
A synopsis of the awned grasses of former Madras Presidency. *Bull. Bot. Surv. India* 14 : 83-91. Key to 83 genera.
- ANP 9 Khan, A.A. 1954
The Andhra forest. *Indian Forester* 80 : 753-758.
- ANP 10 Khan, A.A. 1956
The mangrove forests of Andhra State. 9th Silv. Conf.
- ANP 11 Kumari, G.R. & Subba Rao, G.V. 1982
Mecardonia procumbens (Miller) Small. (Scrophulariaceae) - an interesting plant record from Andhra Pradesh, India. *Journ. Econ. Tax. Bot.* 3 : 255-256.
- ANP 12 Nayar, M.P. & Banerjee, R.N. (1970) 1972
A new species of *Dupleurum* Linn. (Umbelliferae) from Andhra Pradesh. *Bull. Bot. Surv. India* 12 : 255-256, fig. 7. *B. andhricum* Nayar & Banerjee.
- ANP 13 Pal, D.C. & Banerjee, D.K. (1971) 1974
Some less known plant foods among the tribals of Andhra Pradesh and Orissa State. *Bull. Bot. Surv. India* 13 (3 & 4) : 221-223. Discussion on 22 unknown or less known food plants used by the tribals of A.P.
- ANP 14 Ramachandran, C., Ramaprabhu, T. & Singh, S.U. 1976
A survey of aquatic weed infestations in Andhra Pradesh. In : Varshney & Rzoska (ed.), *Aquatic Weeds S.E. Asia*, 91-98.
- ANP 15 Rao, P.N., Raju, V.S. & Rao, R.S. (1981) 1983
Floristic research work in Andhra Pradesh. *Bull. Bot. Surv. India* 23 (1-4) : 90-95 Floristic analysis.
- ANP 16 Rao, P.R. 1978
History of Modern Andhra. New Delhi.

- ANP 17 Rao, T.A. & Sastry, A.R.K. (1970) 1971
New distributional records for plants from Andhra Pradesh. *Journ. Bombay Nat. Hist. Soc.* 67 : 614-615. 3 rec.
- ANP 18 Rao, T.A., Sastry, A.R.K. & Shanware, P.G. 1971
Analysis of the basic patterns of an estuarine shore in the vicinity of the Coringa Bay, Andhra Pradesh, India. *Proc. Indian Acad. Sci.* 75 B : 40-50, fig. 1, tab. 4, discussion.
- ANP 19 Sahni, K.C. & Bennet, S.S.R. 1975
A new species of *Albizia* from Andhra Pradesh. *Indian Forester* 101 : 337-338. *A. sekharamensis*.
- ANP 20 Santapau, H. 1954
Annual excursion of the Indian Botanical Society Hyderabad, Deccan, 1954. *Journ. Indian Bot. Soc.* 33 : 78-92.
- ANP 21 Santapau, H & Wagh, S.K. 1963
On the distribution of *Gymnosporia bailodiflora* Narayan & Mooney. *Journ. Bombay Nat. Hist. Soc.* 60 : 754.
- ANP 22 Sastry, A.R.K. & Rao, T.A. (1973) 1976
Studies on the flora and vegetation of coastal Andhra Pradesh, India. *Bull. Bot. Surv. India* 15 : 92-107. Enum. 257 spp. discussion, distrib. notes & ecol.
- ANP 23 Sebastine, K.M. & Ramamurthy, K. 1966
Some additions to the flora of Presidency of Madras II. *Bull. Bot. Surv. India* 8 (1) : 80-81.
- ANP 24 Singh, P., Giri, G.S. & Singh, V. (1983) 1985
A new species of *Tribulus* L. (Zygophyllaceae) from South India. *Bull. Bot. Surv. India* 25 (1-4) : 197-198, fig. 1, descr. *T. subramanyamii* sp. nov.
- ANP 25 Subba Rao, G.V. & Kumari, G.R. 1868
New records from South India II. *Indian Forester* 94 : 682-685.
- AND 26 Subba Rao, G.V. & Kumari, G.R. (1968) 1969
A new species of *Leucas* from Andhra Pradesh. *Bull. Bot. Surv. India* 10 : 358-359, fig. 8. *L. mukerjiana*.

- ANP 27 Subba Rao, G.V. & Kumari, G.R. (1969) 1972
 A new variety of *Leuca mollissima* Wall. from Andhra Pradesh. *Bull. Bot. Surv. India* 11 : 452-454. fig. 7. *L. mollissima* var. *sebastiana*.
- ANP 28 Subba Rao, G.V. & Kumari, G.R. (1975) 1978
 A new species of *Kalanchoe* (Crassulaceae) from Andhra Pradesh. *Bull. Bot. Surv. India* 17 : 177-179.
- ANP 29 Subramanian, K.N. & Kalyani, K.B. 1975
Hugonia ferruginea W. & A. a new record for the flora of India. *Indian Forester* 101 : 569. tab. 1. compared with *H. mystax* L.
- ANP 30 Suryanarayan, B. 1984
 Some noteworthy plants from the Eastern Ghats in Andhra Pradesh. *Journ. Econ. Tax. Bot.* 5 (1) : 51-53.
- ANP 31 Thothathri, K. 1964
Sida ovata Forsk. a new record for South India. *Curr. Sci.* 33 : 593-594, fig. 1 distributional notes.
- ANP 32 Uppuluri, M.R. & Satyavathi, U. 1968
 Two new species of *Isellema* Anders. from India. *Journ. Bombay Nat. Hist. Soc.* 65 : 664-669 : pl. 1. *I. venkateswarlui*.

Amravati

- ANP 33 Mirashi, M.V. & Salpakar, J.B. 1975
 Ornamental plants of Amravati-I. *Botanique* 6 : 195-204. List of plants.

Chittoor

- ANP 34 Fischer, C.E.C. 1922
 Notes on *Santalum album* in the Chittoor District. *Indian Forester* 48 : 32-113

Circar

See under Hyderabad

Coriaga Bay

See under Kakinada

Dowlatabad

ANP 35 Bradley, H. 1849

Statistics of the Circar of Dowlatabad, Hyderabad, Deccan. *Madrās Journ. Lit. & Sci.* 15 : 411-551.

Godavari & Godavari East

ANP 36 Raju, V.S. 1983

Some additions to the flora of Andhra Pradesh. *Journ. Econ. Tax. Bot.* 4 (1) : 295-297. New report of taxa.

ANP 37 Rao, R.S. 1957

Observations on the mangrove vegetation of the Godavari estuary. *Proc. Mangrove Symp.* 36-39, 68-75. Enum. 26 spp. notes on uses, distrib.

ANP 38 Rao, R.S. 1959

Observation on the mangrove vegetation of the Godavari estuary. *Proc. Mangrove Symp.* 37-44.

ANP 39 Sidhu, S.S. 1963

Studies on the mangroves of India I. East Godavari region. *Indian Forester* 89 : 337-351, tab. 6, pl. 3. Discussion and enum. 26 spp.

ANP 40 Venkateswarlu, V. 1944

The estuarial flora of the Godavari. *Journ. Bombay Nat. Hist. Soc.* 44 (3) : 431-435. map 1, Pl. 2, list of 25 spp. notes on uses with vern. names (Occ.)

Godavari West

ANP 41 Raju, D.C.S. 1968

The vegetation of West Godavari : study of tropical delta. *Proc. Symp. Recent Advances in Trop. Ecol., International Society for Tropical Ecology, Varanasi* 1 : 348-358, fig. 3.

ANP 42 Seshavatharum, V. 1974

Aquatic weed flora of the paddy fields and irrigation canals of the delta area of the West Godavari district, Andhra Pradesh. *Sci. & Cult.* 40 : 489-491. Enum. 43 spp. and discussion.

Gudem

See under Rampu

Hyderabad

ANP 43 Chinnamam, S. 1969

Natural grasslands (Kanchas) of red soil of Hyderabad. *Ann. Arid Zone* 8 : 66-72, tab. 1. Discussion.

ANP 44 Khan, M.S. 1953

Forest flora of Hyderabad State being the revised and enlarged edition of Patridge's, "Forest Flora of Hyderabad" pp. ix + 364, mad 3, tab. 8. Hyderabad. Enum. 557 species. Key to fam. Genera & species, descr. distrib. and discussion on veg. types.

ANP 45 Patridge, E.A. 1911

Forest Flora of H.H. the Nizam's Dominions, Hyderabad, Deccan. Hyderabad.

ANP 46 Ramayya, N. & Rajagopal, T. 1968

Foliar epidermis as taxonomic aid "The Flora of Hyderabad" *Journ. Osmania Univ.(Sci.) (Golden Jubilee Vol. 4 : 147-160.*

ANP 47 Ramayya, N. & Rajagopal, T. 1973

Taxonomy, forest ecology and anatomy of the flowering plants of the erstwhile state of Hyderabad - a review. *Bull. Indian Nat. Sci. Acad.* 45 : 302-313.

ANP 48 Ramayya, N. & Rajagopal, T. 1975

Pseudowolffia hyalina (Del.) Hart. & Palas (Lemnaceae) - a new record for Asia from Hyderabad (India). *Aquatic Bot.* 1 : 71-73.

- ANP 49 Saxena, M.R. 1947
A study of some grasses H.E.H. the Nizam's Dominions, Hyderabad, Deccan. *Osmania Univ. Journ.* 12 : 28-65
- ANP 50 Sayeed-ud-Din, M. 1935 & 1936
Some of the common flowering plants of the Hyderabad State ; their distribution, economic and medicinal importance. *Journ. Asiat. Soc. Bengal Sci.* 1 : 9-22. 1935 ; *Osmania Univ. Journ.* 2 : 73-94. 1936.
- ANP 51 Sayeed-ud-Din, M. 1938
A further contribution to some of the common flowering plants of the Hyderabad State, their distribution and economic importance. *Journ. Bombay Nat. Hist. Soc.* 40 (2) : 191-212.
- ANP 52 Sayeed-ud-Din, M. 1941
Additions to our knowledge of the flowering plants of H.E.H. the Nizam's Dominions, Hyderabad, Deccan. *Journ. Bombay Nat. Hist. Soc.* 42 : 903-924. t. 1.
- ANP 53 Sayeed-ud-Din, M. et al. 1937
Catalogue of plants cultivated in the Botanical Garden, Osmania University, Hyderabad-Dn. Collections 1935-1937.
- ANP 54 Shareefuddin, K.M. 1951
Forest Flora of Hyderabad State. Hyderabad.
- ANP 55 Walker, A.L. 1849
Statistical report on the Circar and Warangal (Hyderabad, Deccan). *Madras Journ. Lit. Sci.* 15 : 219-301.

Kakinada

- ANP 56 Rao, T.A., Sastry, A.R.K. & Shanware, P.G. 1972
Analysis of the Basic patterns of an estuarine shore in the vicinity of the Coringa Bay, Adhra Pradesh. *Proc. Indian. Acad. Sci.* 75B : 40-50.

Karimnagar

ANP 57 Kapoor, S.L. & Kapoor, L.D. (1973) 1976

Further contribution to the flora of the Karimnagar District of Andhra Pradesh. *Bull. Bot. Surv. India* 15 : 76-84, tab. 1. Additions to Subba Rao & Kumari's list (cf. *Bull. Bot. Surv. India* 9 : 95-113, 1967). Enum. 66 spp., distrib., rec., local names.

ANP 58 Subba Rao, G.V. & Kumari, G.R. nee Kumari, T.R. (1967) 1968.

Contribution to the flora of Karimnagar District, Andhra Pradesh. *Bull. Bot. Surv. India* 9 : 95-113, map 1. Enum. 434 spp. 2 new rec. notes, phenology.

Kistna

ANP 59 Venkateswarlu, V. 1946

A note on the estuarine flora of the Kistna. *Sci. & Cult.* 12 : 296. Enum. 21 spp. notes on habit & uses, vern. names.

Kurnool

ANP 60 Nair, N.C. & Ramachandran, V.S. (1980) 1982

A note on the rare plant *Olanthus disciflorus* Hook. f. *Bull. Bot. Surv. India* 22 (1-4) : 234-235.

ANP 61 Reddy, S.A. 1957

Revised working plan for the forests of Kurnool East Division 1956-57 to 1970-71. Secunderabad.

Machkund Basin

ANP 62 Madaruddin, M.S. 1968

Working plan for soil conservation in Machkund basin Forest Dept., Andhra Pradesh.

Mahbubnagar

ANP 63 Sayeed-ud-Din, M. 1970

Preliminary notes on a recent botanical tour to Amrabad Forest Reserve, H.E.H. The Nizam's Dominions Hyderabad (Dn). *Journ. Bombay Nat. Hist. Soc.* 41 (4) : 707-710.

Mannanur

ANP 64 Singh, K.K., Palvi, S.K. & Singh, H.B. 1981

Survey and biological activity of some medicinal plants of Mannanur Forest, Andhra Pradesh. *Indian Journ. Forestry* 4 (2) : 115-118. Enum. medicinal plants.

Nagarjunakonda

ANP 65 Thothathri, K. 1964

The flora of the Nagarjunakonda valley and the surrounding hills. *Indian Forester* 90 : 539-546, map 1. Enum. 251 spp. new rec. *Sida ovata* Forsk.

Nalkonda

ANP 66 Chandrabose, M. (1970) 1972

Abutilon indicum (Linn.) Sweet ssp. *albescens* (Miq.) Bross. var. *australiense* Hochr. a new record for India. *Bull. Bot. Surv. India*. 12 (1-4) : 276-277, fig. 7. Synonymy, discr.

Nallamalais

ANP 67 Ellis, J.L. (1966) 1967

Andrographis nallamalayana Ellis : a new species from Andhra Pradesh. *Bull. Bot. Surv. India* 8 : 362-363.

ANP 68 Ellis, J.L. (1968) 1969

The Flora of Nallamalais on the Eastern Ghats of India-I. A preliminary list. *Bull. Bot. Surv. India* 10 : 149-160, map 1. Enum. 596 spp.

ANP 69 Vatsavaya, S., Raja, S. & Rao, P.N. 1979

Euphorbia agowensis Hochst. ex Boiss. : A new record for Andhra Pradesh. *Indian Journ. Forestry* 2 (1) : 42.

Narasapur (Medak Dist.)

ANP 70 Sebastine, K.M., Thothathri, K. & Balakrishnan, N.P. 1960

Observation on the Flora of Narasapur, Medak District, Andhra Pradesh. *Bull. Bot. Surv. India* 2 : 275-285, tab. 1. Enum. 268 spp.

Northern Circars

ANP 71 Elliot, W.

See under general.

ANP 72 Gamble, J.S. 1884-85

Revised list of the trees and shrubs of the Northern Circars, recorded on tour in 1883-84 and 1884-85. *Ann. Admin. Rep. For. Dept. Madras* 1884-85 : 317-331.

Pakhal (Narasampet Taluk, Warangal Dist.).

ANP 73 Sebastine, K.M. & Henry, A.N. (1966) 1967

A contribution to the flora of Pakhal and surrounding regions in Narasampet Taluk, Warangal District, Andhra Pradesh. *Bull. Bot. Surv. India* 8 (3 & 4) : 304-311. Detailed account of the flora of the region enumerating 254 spp., notes on frequency, Phenology & ecol.

Papihill

ANP 74 Raju, D.C.S. 1966

Plants of Papihill in Andhra Pradesh. *Indian Forester* 92 : 482-492. List of 170 spp.

Polavaram

ANP 75 Raju, D.C.S. 1966

The vegetation and flora of Polavaram Agency tracts. *Trop. Ecol* 7 : 114-124, map 1. Enum 140 spp.

Pulicat Lake

ANP 76 Radhakrishnan, S. 1976

Some aspects and the distribution and seasonal abundance of macrophytic flora in the brackish lake Pulicat, India. In: Varshney & Rzoska (ed.) *Aquatic Weeds S. E. Asia*. 107-117.

Rampa & Gudem Valley

ANP 77 Rao, R.S. 1959 & 1964

Observations on the Vegetation of Rampa and Gudem valley agency tracts of the Eastern Ghats. *Journ. Bombay Nat. Hist. Soc.* 55 (3) : 429-449, map 2, fig. 5. 1957; *Ibid.* 61 : 303-329, Discussion, new rec. & enum. 893 spp.

Seshachellam (Cuddapah Dist.)

ANP 78 Ellis, J.L. (1966) 1967

A contribution to the vascular flora of Balapalle range of Seshachellam reserve forest, Cuddapah district, Andhra Pradesh *Bull. Bot. Surv. India* 8 (3&4) : 328-340, map 1. Enum. 334 spp. collected from the area during 1962-63.

ANP 79 Raju, D.C.S. 1966

Excursion flora of Seshachellam Hill. Sibpur, India. 28 pp.

Tirupati Hills (Chittoor Dist.)

ANP 80 Balakrishnan, N.P. & Subramanyam, K. (1960) 1961

A new species of *Pimpinella* from Tirupati hills, South India. *Bull. Bot. Surv. India* 2 (3&4) : 427-428, fig. 9. *P. tirupatiensis* Bal. & Subr.

ANP 81 Naidu, V.K., Mallikarjuna Swamy, P. & Narayana Rao, K. 1971

Contribution to the flora of Tirupati Hills part 3. *Indian Forester* 97 : 89-100. Enum. 383 spp. 6 new rec. Telugu names.

- ANP 82 Naidu, V.K. & Prakasa Rao, R.S. 1967
 Contribution to the flora of Tirupati hills. *Indian Forester* 93 : 123-135. Enum. 467 spp. 8 new rec., notes on habitat, flower colour.
- ANP 83 Naidu, V.K. & Prakasa Rao, R.S. 1969
 Contribution to the flora of Tirupati Hills-2. *Indian Forester* 95 : 618-628. Enum. 330 spp., 3 new rec. to former Madras Presidency & 9 new rec. for Deccan.
- ANP 84 Rao, V.S. 1965
 Plant immigrants. *Nagarjun* 9 : 103-106, *Lepidium sativum* Rec.

Vishakhapatnam

- ANP 85 Balakrishnan, N.P. (1961) 1962
 A new species of *Argyrea* from south India. *Bull. Bot. Surv. India* 3 : 163-165, fig. 2. *A. arakuensis*.
- ANP 86 Raju, V.S. & Rao, P.N. 1976
Cuscuta approximata Bab. : a new record for south India. *Geobios* 3 : 180.
- ANP 87 Subba Rao, G.V. 1977
 Flora of Visakhapatnam District, Andhra Pradesh. *Bull. Bot. Surv. India* 19 (1-4) : 122-126.
- ANP 88 Subba Rao, G.V. & Kumari, G.R. (nee Kumari, T.R.) (1967) 1968
 New records of plants from South India. *Bull. Bot. Surv. India* 9 (1-4) : 186-189. 6 new rec. from Visakhapatnam and E. Godavari district, notes on distrib.
- ANP 89 Subba Rao, G.V. & Kumari, G.R. (nee Kumari, T.R.) (1967) 1968
 New records of plants from South India-4. *Bull. Bot. Surv. India* 19 (1&4) : 155-156. 4 new rec. descr. notes.
- ANP 90 Subba Rao, G.V. & Kumari, G.R. (nee Kumari, T.R.) (1972) 1975
Ensete glaucum (Roxb.) E.E. Cheesm. a relict species in the Eastern Ghats. *Bull. Bot. Surv. India* 14 (1-4) : 164-166.

- ANP 91 Subba Rao, G.V., Kumari, G.R. (Nee Kumari, T.R.) & Rajan, R. 1981

Perilla frutescens (Linn.) Britt. (Labiatae) a new record for South India .. *Indian Journ. Forestry* 4 (2) : 149.

- ANP 92 Sudhakar, S. (1980) 1982

Scaevola taccada (Gaertn.) Roxb. (Goodeniaceae) - an interesting record from Visakhapatnam area, Andhra Pradesh. *Bull. Bot. Surv. India* 22 (1-4) : 217-221.

- ANP 93 Venkateshwarlu, J., Bhairavamurty, P.V. & Rao, P.N. 1972

The Flora of Vishakhapatnam. Andhra Pradesh Academy of Sciences, Hyderabad.

Waltair

- ANP 94 Venkateshwarlu, J. 1940-41

Flora and plant resources of the Andhra area, Waltair, in the natural Resources of Andhra Area and Allied Topics. 1-17.

ARUNACHAL PRADESH

Arunachal Pradesh (Capital Itanagar) the former North Eastern Frontier Agency (NEFA) is a thinly populated hilly tract in the north eastern region of India. It touches China and Burma border on the northern and eastern side respectively and Assam on the South. Except a very thin strip of plain land adjoining Assam it is mostly mountaneous. The Territory is divided into 5 districts with area population and Headquarters as follows :

1. **Kameng** : 13724 sq. km. ; population 105668 - Kameng is divided into West Kameng with a population of 62946, headquarter Bomdila and East Kameng with a population of 42722, headquarter Seppa.
2. **Subansiri** : 14797 sq. km. ; population 152706 Subansiri is divided into Upper Subansiri with a population of 39406, headquarter Daporijo and Lower Subansiri with a population of 113300, headquarter Ziro.

3. **Siang** : 23723 sq. Km. ; population 144425 West Siang with a population of 74151, headquarter Along and East Siang with a population of 70274, headquarter Pasighat.
4. **Lohit** : 24427 sq. km. ; population 97116 divided into Lohit proper, population 69400, Hq. Tezu and Dibang valley, population 27716, Hq. Anini.
5. **Tirap** : 6907 sq. Km.; population 128135 ; Dist. Hq. Khonsa.

Vegetation and Important Floristic Elements

Phytogeographically Arunachal Pradesh is very important as it is the meeting ground of Indo-Malayan, Sino-Japanese floras. Due to its topography, highly humid tropical climate it is botanically very rich and dense forests, cover more than two-third of the area. The vegetation can be broadly classified into i) Tropical, ii) Subtropical and iii) Temperate to subalpine forests.

- (i) The tropical rain forest is dominated by taxa such as *Amoora wallichii*, *Callicarpa arborea*, *Dillenia indica*, *Dysoxylon procerum*, *Lagerstroemia speciosa*, *Shorea assamica*, *Buddleju asiatica*, *Ficus hispida*, *Clerodendrum glandulosum*, *Calamus erectus*, *Mussaenda roxburghii*, *Oxyphora paniculata* etc.
- (ii) The subtropical forests elements are *Kydia calycina*, *Prunus nepalensis*, *Capparis multiflora*, *Photinia notomana*, *Callicarpa arborea*, *Quercus glauca*, *Evodia fraxinifolia*, *Castanopsis indica*, *Bauhinia virgata*. The woody climbers like *Clematis acuminata*, *Tinospora malabarica* etc.
- (iii) The temperate to subalpine region dominated by various Conifers, Oaks, Pines, Magnolias alongwith shrubs, *Debregeasia longifolia*, *Zanthoxylum armatum* etc. The subalpine type is characterised by *Rhododendron*, *Pinus*, *Taxus*, *Tsuga* alongwith *Barberis asiatica*, *Gaultheria fragrantissima*, *Vaccinium venosum* and different species of *Primula*, *Polygonum*, *Saussurea*, *Saxifraga* etc.

Some Rare Threatened and Endemics

Though the region is botanically very rich but due to various habitat disturbances, a number of taxa becoming rare or threatened. The number of endemic taxa are also not few. *Phanera khasiana*, *Ilex venulosa*, *Sauravla griffithii*, *Rhododendron santapau*, *R. nuttalli*, *R. subansiriense*, *Nertera siensis*, *Leptodermis scabrida*, *Rhynchoglossum lazulinum*, *Puya*

belladonna, *Huodendron biaristatum*, *Alniphyllum fortunei*, *Boehmeria tira-pensis*, *Bulbophyllum virens*, *B. mishmeense*, *B. depressum*, *Luisia inconspicuum*, *Oberonia sulcata*, *Paphtopedilum fairieanum*, *Eria discolor*, *E. ferruginea*, *Bulleyia yunnanensis*, *Hedychium longipedunculatum*, *Dioscorea laurifolia*, *D. orbiculata*, *Wallichia triandra*, *W. disticha*, spp. of *Rhododendron*. More than 50 spp. of *Rhododendron* occur in Arunachal area of which about 10 are endemic to the region. All the species come under rare or threatened category.

Most of the inhabitants belong to tribes and the industries are forest based like sawmills, plywood due to the easy availability of various types of woods. Other medium sized industries are fruit preserving, rice mills etc. Main agricultural crops are rice, maize, wheat & mustard. The traditional method of agriculture is jhumming, a kind of shifting cultivation.

Sanctuaries, National Parks Reserves

1. **Namdapha Wild Life Sanctuary** : Tivap Dist. ; 1907.82 sq. km. ; varied topography and climate favoured an admixture of tropical, sub-tropical, temperate and even sub-alpine floristic elements like *Terminalia chebula* ; *T. bellerica* ; *Elaeocarpus ganitrus* ; *Dipterocarpus turbinatus* ; *D. macrocarpus* ; *Amoora wallichii* ; *Cinnamomum tamala* ; *Shorea assamica* ; *Quercus dealbata* ; *Mesua ferrea* ; *Pterospermum acerifolium* ; *Castanopsis* spp. ; *Magnolia griffithii* ; *Callicarpa arborea* ; *Michella montana* ; *Trema orientalis* ; *Bridelia retusa* ; *Schima wallichii* ; various perennial grasses, woody climbers and many species of terrestrial orchids such as species of *Coelogyne* ; *Dendrobium*, *Bulbophyllum*, *Saccolabium* etc.

Among the important faunal representatives are tiger, panther, snow-leopard, coloured leopard, wild dog, wild buffalo, gaur, golden cat, elephant, hog deer, king cobra.

2. **Itanagar wild life Sanctuary** : Lower Subansiri ; 140.80 sq. km. ; tropical evergreen type ; important faunal representative tiger, panther gaur, sambar, elephant, sloth bear, barking deer, hog deer.
3. **Lall Reserve Forests Wild Life Sanctuary** : East Siang ; 190.00 sq. km. ; tropical evergreen and subtropical pine forest ; important animals elephant, tiger, panther, wild buffalo, hog deer, sambar, python.

4. **Pokhui Reserve Forests Wild Life Sanctuary** : East Kameng ; 86.00 sq. km. ; tropical evergreen type ; important faunal elements elephant, gaur, hog deer, sambar, barking deer, python.
5. **Mahao Reserve Forests Wild Life Sanctuary** : Dibang Valley ; 281.50 sq. km. important fauna : leopard, sambar.

General

- ARP 1 Arora, R.K. & Hardas, M.W.(1976) 1977
Occurrence of *Solanum integrifolium* and *S. gilo* in North Eastern Hills. *Journ. Bombay Nat. Hist. Soc.* 73 : 423-424.
- ARP 2 Deb, D.B. 1964
A new species of *Tacca* J.R. & G. Frost. from NEFA, India. *Indian Forester* 90 : 251-253.
- ARP 3 Deb, D.B. (1964) 1965
An undescribed species of Hypoxidaceae. *Bull. Bot. Surv. India* 6(1) : 77-79. *Molineria prainiana* Deb.
- ARP 4 Deb, D.B. & Katak, S.K. 1963
Interesting plants from Eastern India I. *Dioscorea laurifolia* Wall. ex Hook. f. *Bull. Bot. Surv. India* 5(2) : 163-164.
- ARP 5 Deori, N.C. & Das, G.C. (1976) 1979
Notes on rare orchids from north eastern India-II. *Bull. Bot. Surv. India* 18(1-4) : 233-235. 3 new rec. for India, notes.
- ARP 6 Deori, N.C. & Das, G.C. (1976) 1979
New and rare plant from north eastern India. *Bull. Bot. Surv. India* 18(1-4) : 238-241.
- ARP 7 Deori, N.C. & Malhotra, C.L. (1973) 1976
Cleisostoma paniculatum (Ker-Gawl) Garay (Orchidaceae) a new record for India. *Bull. Bot. Surv. India* 15(3&4) : 274, f. 6.
- ARP 8 Hegde, S.N. & Rao, A.N. 1982
Three rare and little known orchids from Arunachal Pradesh, India. *Indian Journ. Eoresty* 5(4) : 311-314, pl. 2.

- ARP 9 Jain, S.K. 1975
Botanical Survey in North-Eastern region. *Journ. Northeast Coun.* 1 (2) : 31-35.
- ARP 10 Joseph, J. & Abbareddy, N.R. (1980) 1981
Peristylus richardianus Wt. and *Liparis wrayii* Hook. f. Two ground orchids new to North eastern India. *Bull. Bot. Surv. India* 22 (1-4) : 182-183.
- ARP 11 Joseph, J. & Rao, R.S. 1968
Aneilema glanduliferum Joseph et Rolla Rao : a new species from N.E.F.A. *Journ. Indian Bot. Soc.* 47 : 367-371.
- ARP 12 Kar, S.K. & Panigrahi, G. (1963) 1964
The Rubiaceae in Assam and NEFA. *Bull. Bot. Surv. India* 5 : 227-237. Notes on distrib. and relative abundance of 118 spp. in the family Rubiaceae.
- ARP 13 Katak, S.K. 1975
Notes from the orchid station, Tipi, Arunachal Pradesh I & II. An account of the orchid station Tipi I. *Indian Forester* 101 : 137-139.
- ARP 14 Katak, S.K. & Panigrahi, G. 1964
Ranunculaceae in Assam and North East Frontier Agency. *Indian Forester* 90 : 394-400.
- ARP 15 Kingdon-Ward, F. 1930
The forests of the North East Frontier of India. *Empire For. Journ.* 9 : 11-31, map 1, pl. 3. Discussion, notes.
- APR 16 Kingdon-Ward, F. 1940
Botanical and Geographical exploration in the Assam Himalaya. *Geogr. Journ.* (London) 96 : 1-13.
- ARP 17 Kingdon-Ward, F. 1948
Rhododendrons in Burma, Assam and Tibet. *Roy. Hort. Soc. Rhodod. Year Book*, 2 (for 1947) : 13-20.
- ARP 18 Malhotra, C.L. & Hajra, P.K. (1978) 1979
Status of Floristic studies in Arunachal Pradesh. *Bull. Bot. Surv. India* 19 (1-4) : 61-63.

- ARP 19 Naik, V.N. (1964) 1965
A note on Hydrocharitaceae of Assam and NEFA. *Bull. Bot. Surv. India* 6 (2-4) : 331-303. List.
- ARP 20 Naithani, H.B. 1979
Notes on occurrence of *Erdysanthera rosea* Hook. & Arn. in Arunachal Pradesh. *Indian Forester* 105 (8) : 588-591.
- ARP 21 Naithani, H.B. & Bennet, S.S.R. 1981
Interesting distributional records of eleven species of Asteraceae from Arunachal Pradesh. *Indian Journ. Forestry* 4 (1) : 73-74.
- ARP 22 Naithani, H.B. & Bennet, S.S.R. 1981
Interesting distributional records of seven species of flowering plants from Arunachal Pradesh. *Indian Journ. Forestry* 4 (2) : 160-163, fig. 2.
- ARP 23 Panigrahi, G. 1865
Studies in the Monocot flora of Assam and NEFA I. *Proc. Nation. Acad. Sci. India* 35B : 357-366, tab. 1.
- ARP 24 Panigrahi, G. 1966
Studies in the Monocot flora of Assam and North East Frontier Agency (Families Burmanniaceae to Dioscoreaceae). *Proc. Nation. Acad. Sci. India* 36B : 353-368.
- ARP 25 Panigrahi, G. & Joseph, J. (1966) 1967
A botanical tour to Tirap Frontier Division, NEFA (India). *Bull. Bot. Surv. India* 8 (2) : 142-157.
- ARP 26 Panigrahi, G. & Kar, S.K. (1966) 1967
The family Compositae in Assam and North East Frontier Agency. *Bull. Bot. Surv. India* 8 (3 & 4) : 228-236. Enum. 167 spp., 4 new rec. for India, new rec. for Assam & NEFA
- ARP 27 Panigrahi, G. & Naik, V.N. 1964
A new variety of *Smilax griffithii* A. DC. from NEFA. *Curr. Sci.* 33 : 500-501.
- ARP 28 Rao, A.S. 1974
The vegetation and phytogeography of Assam-Burma. In M.S. Mani (ed.) *Ecology and Biogeography in India*. The Hague 204-246.

- ARP 29 Rao, R.S. 1972
Botanical Survey work in Arunachal — *Arunachal Pradesh Bull.* (Independence Silver Jubilee Issue) : 49-76.
- ARP 30 Rao, R.S. & Ahuja, K.K. (1968) 1969
New and noteworthy plants records from India. *Bull. Bot. Surv. India* 10 (3-4) : 360-366. 6 new rec.
- ARP 31 Sahni, K.C. & Naithani, H.B. 1979
A new species of *Albizia* from India. *Indian Forester* 105 : 274-276.
- ARP 32 Sahni, K.C. & Naithani, H.B. 1979
Rhododendron tawangensis sp. nov. from Arunachal Pradesh. *Indian Forester* 105 (9) : 683-687.
- ARP 33 Srinivasan, K.S. & Sengupta, G. (1966) 1967
Occurrence of *Tetracentron sinense* Oliv. in NEFA. *Bull. Bot. Surv. India* 8 (3&4) : 342-344.
- ARP 34 Subba Rao, G.V. & Halim, M.R. (1963) 1964
A new species of *Lysimachia* from NEFA. *Bull. Bot. Surv. India* 5 (1) : 101-103.
- ARP 35 Subba Rao, G.V. Kumari, T.R. (1963) 1964
Solanum blumei Nees ex Blume — a new record for India. *Bull. Bot. Surv. India* 5 (3&4) : 241.
- ARP 36 Subba Rao, G.V. & Kumari, T.R. 1966
Notes on some rare plants collected from NEFA. *Bull. Bot. Surv. India* 8 (1) : 82-86.
- ARP 37 Subba Rao, G.V. & Kumari, T.R. (1963) 1969
A new species of *Gaultheria* from NEFA. *Bull. Bot. Surv. India* 10 : 223-225.
- Abor
- ARP 38 Burkill, I.H. 1924-1925
The Botany of the Abor expedition. *Rec. Bot. Surv. India* 10 (1) : 1-154. 1924; 10 (2) : 155-420; tt. 1-10. 1925.

Aka Hills

ARP 39 Biswas, K. 1961

The flora of the Aka Hills. *Indian. For. Rec. (N.S.) Bot.* 3 (1) : 1-62.

ARP 40 Bor, N.L. 1938

A sketch of the vegetation of the Aka Hills, Assam, a synecology study. *Indian. For. Rec. (N.S.) Bot.* 1 (4) : i-ix, 103-221.

ARP 41 Singh, N.B. 1985

First report of *Sinocratsula indica* (Decne) Berger (Crassulaceae) from Arunachal Pradesh. *Journ. Econ. Tax. Bot.* 6 (3) : 691-693.

Bomdi La

ARP 42 Srinivasan, K.S. 1959

Report of a botanical tour to Bomdila, NEFA, May 1955. *Rec. Bot. Surv. India* 17 (2) : 1-38. Col. pl., fig. 39.

Delei Valley

ARP 43 Kingdon-Ward, F. 1930

The Seingku and Delei valley, north-east frontier of India. *Geogr. Journ. (London)* 75 : 412-435.

Kameng (Kameng Dist.)

ARP 44 Bennet, S.S.R. & Naithani, H.B. 1978

Clethracene Klotzch—new to India. *Indian Journ. Forestry* 1 (3) : 189-190.

ARP 45 Chowdhury, S. (1970) 1972

Polygala mariesii Hemsl.—new distribution in India. *Bull. Bot. Surv. India* 12 (1-4) : 263.

- ARP 46 Dam, D.P. & Dam, N. (1979) 1981
Notes on *Rhododendron dalhousiae* Hooker var. *rhabdotum* (Balf. f. & Cooper) Cullen from Kameng district of Arunachal Pradesh. *Bull. Bot. Surv. India* 21 : 173-174.
- ARP 47 Dam, D.P. & Dam, N. (1980) 1982
Chrysoglossum erraticum Hook. f. — a rare orchid from Kameng District, Arunachal Pradesh. *Bull. Bot. Surv. India* 22 (1-4) : 185-187.
- ARP 48 Dam, D.P. & Hajra, P.K. 1981
Observations on Ethnobotany of Monpas of Kameng district, Arunachal Pradesh. In : S.K. Jain (ed.) *Glimpses of Indian Ethnobotany* 107-114. New Delhi.
- ARP 49 Deb, D.B. 1967
A new species of *Petasites* Gaertn. (Compositae) from India. *Indian Forester* 93 : 255-257 *P. kamengicus* Deb.
- ARP 50 Deori, N.C. & Hajra, P.K. (1975) 1978
Oberonia maxima Hook. f.—an interesting orchid from Kameng District, Arunachal Pradesh. *Bull. Bot. Surv. India* 17 (1-4) : 170-171.
- ARP 51 Deori, N.C. & Joseph, J. (1978) 1979
Pholidota convallariae var. *breviscapa* — a new variety of orchid from Arunachal Pradesh. *Bull. Bot. Surv. India* 20 (1-4) : 159-160.
- ARP 52 Hajra, P.K. 1978
Notes on distribution of some plants. *Journ. Bombay Nat. Hist. Soc.* 75 (3) : 942-943. 9 new rec.
- ARP 53 Hegde, S.N. & Nageswara Rao, A. 1982
Epipogium sessanum Hegde et Rao—A new species of orchid from Arunachal Pradesh, India. *Journ. Econ. Tax. Bot.* 17 (3) : 597-601, pl. 2.
- ARP 54 Naithani, H.B. & Bennet, S.S.R. 1979
Schizophragma Sieb. & Zucc.—a generic record to the Indian *Hydrangeaceae*. *Indian Journ. Forestry* 2 (2) : 138-140 *S. integrifolia* Oliver.

- ARP 55 Rao, A.S. & Balakrishnan, N.P. (1968) 1969
Bulbophyllum brachypodium nom. nov. with two new varieties.
Bull. Bot. Surv. India 10 (3 & 4) : 350-352.
- ARP 56 Rao, A.S. & Deori, N.C. 1980
 A preliminary census of the orchids of Kameng District,
 Arunachal Pradesh. *Indian Journ. Forestry* 3 (3) : 255-260.
 Enum. 173. spp., extended distrib. rec. 22 spp.
- ARP 57 Rao, A.S. & Hajra, P.K. (1970) 1972
Zeylanidium olivaceum (Gardn.) Engl. (Podostemaceae) first
 report of its presence in Kameng District, Arunachal Pradesh.
Bull. Bot. Surv. India 12 (1-4) : 271-272.
- ARP 58 Rao, A.S. & Hajra, P.K. 1973
Sebaea khasiana C.B. Clarke : a little known Gentianaceae
 from Kameng district, Arunachal Pradesh, India. *Bull. Bot.
 Surv. India* 15 : 145-146.
- ARP 59 Rao, A.S. & Hajra, P.K. (1973) 1976
Ariopsis peltata Nimmo, first report of poorly known aroid
 from Kameng Dist., Arunachal Pradesh. *Bull. Bot. Surv.
 India* 15 : 171-173.
- ARP 60 Rao, A.S. & Hajra, P.K. (1974) 1977
Hedychium radiatum & *H. robustum* (Zingiberaceae)—Two
 new species from Kameng District, Arunachal Pradesh. *Bull.
 Bot. Surv. India* 16 (1-4) : 163-166.
- ARP 61 Rao, A.S. & Hajra, P.K. 1976
Goodyera macrantha Maxim. -from Kameng District, Aruna-
 chal Pradesh. *Indian Forester* 102 : 197-199.
- ARP 62 Rao, A.S. & Joseph, J. (1967) 1968
Rhynchoglossum lazulinum—a new species of Gentianaceae.
Bull. Bot. Surv. India 9 (1-4) : 280-282.
- ARP 63 Rao, A.S. & Verma, D.M. (1970-1976) 1972-1979
 Materials towards a monocot flora of Assam I. *Bull. Bot.
 Surv. India* 12 (1-4) : 139-142. 1972 ; II. *Bull. Bot. Surv.
 India* 14 (1-4) : 114-143. 1975 ; III. *Bull. Bot. Surv. India*
 15 : 189-203. 1976 ; IV. *Bull. Bot. Surv. India* 16 (1-4) : 1-20.
 1977 & V. *Bull. Bot. Surv. India* 18 (1-4) : 1-48. 1979.

- ARP 64 Rao, R.S. & Joseph, J. (1970) 1972
Rubus ghanakantae Rolla Rao et Joseph—a new species from Arunachal Pradesh. *Bull. Bot. Surv. India* 12 (1-4) : 261-263.
- ARP 65 Sahni, K.C. 1969
 A contribution to the flora of Kameng and Subansiri Districts, NEFA. *Indian Forester* 95 (5) : 330-352, map 1 pl. 2.
- ARP 66 Deb, D.B. & Mondal, D.C. (1982) 1983
 New taxa of *Ophiorrhiza* L. (Rubiaceae). *Journ. Bombay Nat. Hist. Soc.* 79 (3) : 644-647, fig. 2.
- ARP 67 Joseph, J. (1972) 1975
Asruoa triandra (Arecaceae) — a new genus and species of Palm from Lohit District, Arunachal Pradesh. *Bull. Bot. Surv. India* 14 (1-4) : 144-148.

Lohit

- ARP 68 Kingdon-Ward, F. 1953
 The Lohit valley in 1950. *Proc. Linn. Soc. London* 164 : 2-8.
- ARP 69 Panigrahi, G. & Taylor, P. 1975
Litsaea divaricata Panigrahi & P. Taylor (Orchidaceae) from India. *Kew Bull.* 30 (3) : 559-561.

Mishmi Hills

- ARP 70 Joseph, J. & Rao, A.N. (1979) 1981
Bulbophyllum capillipes Par et Reichb. f. (*B. uniflorum* Griff.) — a rare orchid from Arunachal Pradesh. *Bull. Bot. Surv. India* 21 (1-4) : 196-198.
- ARP 71 Kingdon-Ward, F. 1929
 Botanical exploration in the Mishmi Hills. *Himal. Journ.* 1 : 51-59.
- ARP 72 Kingdon-Ward, F. 1931
 Botanical exploration : Mishmi Hills, Assam. *Proc. Linn. Soc.* 142nd Session 60-64.

Rengging

ARP 73 Giri, G.S. & Nayar, M.P. 1981

New Indian record of *Ardisia pardalina* Mez. (Myrsinaceae).
Journ. Bombay Nat. Hist. Soc. 78 (3) : 633-634, fig. 1.

ARP 74 Nayar, M.P. & Giri, G.S. 1979

See Nayar, M.P. & Giri, G.S. under India general.

Seinghku

ARP 75 Kingdon-Ward, F. 1930

See Kingdon-Ward, F. 1930 under Delei valley.

ARP 76 Bennet, S.S.R. & Chandra, S. 1982

A new species of *Desmodium* Desv. from Eastern Himalaya.
Journ. Econ. Tax. Bot. 3 (3) : 993-994, fig. 1.

Siang & Slang Frontier Division (Siang District)

ARP 77 Deb, D.B. & Gangopadhyay, M. (1983) 1985

New taxa of the genus *Psychotria* (Rubiaceae) in India. *Bull. Bot. Surv. India* 25 (1-4) : 211-216, figs. 1, descr. *Psychotria burkillii*.

ARP 78 Rao, A.S. & Verma, D.M. (1969) 1971

Arisaema setosum - a new species of Araceae from Siang District, NEFA. *Bull. Bot. Surv. India* 11 (1 & 2) : 196-197.

ARP 79 Rao, R.S. & Joseph, J. 1965

Observations on the flora of Siang Frontier Division, North East Frontier Agency (NEFA). *Bull. Bot. Surv. India* 7 (1-4) : 138-161, pl. 4. Plant list.

ARP 80 Subba Rao, G.V. & Kumari, G.R. (1968) 1969

A new species of *Gaultheria* from NEFA. *Bull. Bot. Surv. India* 10 (2) : 223-225. *G. seshagiriana* Subbarao et Kumari.

Subansiri Frontier Division

ARP 81 Panigrahi, G. & Naik, V.N. (1961) 1962

A botanical tour to Subansiri Frontier Division (NEFA).
Bull. Bot. Surv. India 3 (3 & 4) : 361-388.

- ARP 82 Sahni, K.C. 1969
A contribution to the Flora of Kameng and Subansiri Districts, NEFA. *Indian Forester* 95 (5) : 330-352.
- ARP 83 Sastry, A.R.K. (1967) 1968
Lagerandra undulata—a new species of Araceae. *Bull. Bot. Surv. India* 9 (1-4) : 294-296.
- ARP 84 Sastry, A.R.K. (1967) 1968
Alniphyllum Mats. and *Huodendron* Rehder—two additional generic records to the Indian Styracaceae. *Bull. Bot. Surv. India* 9 (1-4) : 297-298.
- ARP 85 Sastry, A.R.K. 1969
Maesa truncata : a new species of Myrsinaceae from Subansiri district, North East Frontier Agency. In H. Santapau et al. (ed.) *J. Sen. Mem. Vol. Bot. Soc. Bengal* 433-436. Calcutta.
- ARP 86 Sastry, A.R.K. & Deka, H. (1967) 1968
Nertera sinensis Hemsl.—a new find from Subansiri District, NEFA, India. *Bull. Bot. Surv. India* 9 (1-4) : 285-286.
- ARP 87 Sastry, A.R.K. & Katak, S.K. 1966
On some species of *Rhododendron* from Subansiri district. *Indian Forester* 92 : 264-265.
- ARP 88 Sastry, A.R.K. & Verma, D.M. 1968
Hedychium longipedunculatum—a new species of Zingiberaceae from Subansiri District, North East Frontier Agency. *Journ. Bombay Nat. Hist. Soc.* 65 (2) : 293-295.
- ARP 89 Sastry, A.R.K. et al. 1968
Rhododendron santapau sp. nov. from Subansiri District, NEFA. *Journ. Bombay Nat. Hist. Soc.* 65 (3) : 744-747.
- ARP 90 Subba Rao, G.V. & Kumari, T.R. (1964) 1965
Illicium cambodianum Hance—a new record for India. *Bull. Bot. Surv. India* 6 (1) : 105-106.

Tirap Frontier Division

- ARP 91 Deb, D.B. & Dutta, R.M. 1965
Paiva Deb et Dutta—a remarkable new genus and species from Tirap Frontier Division. *Indian Forester* 91 (6) : 363-366.

- ARP 92 Deb, D.B. & Dutta, R. (1971) 1972
 Contribution to the flora of Tirap Frontier Division. *Journ. Bombay Nat. Hist. Soc.* 68 : 573-595.
- ARP 93 Deb, D.B. & Dutta, R. (1972) 1973
 Contribution to the flora of Tirap Frontier Division. *Journ. Bombay Nat. Hist. Soc.* 69 : 547-573.
- ARP 94 Deb, D.B. & Dutta, R. 1973
 Contribution to the flora of Tirap Frontier Division. *Journ. Bombay Nat. Hist. Soc.* 70 : 72-94.
- ARP 95 Deb, D.B. & Dutta, R. (1974) 1975
 Contribution to the flora of Tirap Frontier Division. *Journ. Bombay Nat. Hist. Soc.* 71 : 266-294.
- ARP 96 Panigrahi, G. & Joseph, J. 1966
 A botanical tour to Tirap Frontier Division, NEFA (India). *Bull. Bot. Surv. India* 8 : 142-157. Discussion on geology, topography, vegetation and a comprehensive analysis of floristic composition and veg. types.
- ARP 97 Vaid, K.M. & Naithani, H.B. (1982) 1983
 On the occurrence of *Salacia khasiana* in Arunachal Pradesh. *Journ. Bombay Nat. Hist. Soc.* 79 (2) : 461.
- GENERAL ADDITIONS**
- ARP 98 Argent, G., Bennet, S.S.R. & Naithani, H.B. 1980
 A note on the first flowering collection of *Agapetes similis* & *A. griffithii*. *Notes Roy. Bot. Gard. Edinb.* 38 (1) : 137-140.
- ARP 99 Bahadur, K.N. & Naithani, H.B. 1985
Quercus rex—a gorgeous Oak new to the flora of India. *Indian Forester* 111 (2) : 107-109.
- ARP 100 Naithani, H.B. 1980
 A note on the distribution and nomenclature of *Maba cacharensis*. *Indian Forester* 106 (8) : 583-585.
- ARP 101 Naithani, H.B. 1981
Broussonetia kampferi Sieb. & Zucc. and *Rhododendron obtusum* (Lindl.) Planch. New to Indian Flora. *Indian Forester* 107 (9) : 585-588.
- ARP 102 Naithani, H.B. & Bahadur, K.N. 1981
 Observation on extended distribution of new and rare taxa of North-Eastern India with special reference to Arunachal Pradesh. *Indian Forester* 107 (11) : 712-724.

- ARP 103 Naithani, H.B. & Bahadur, K.N. 1982
A new species of Bamboo from India. *Indian Forester* 108 (3) : 212.
- ARP 104 Naithani, H.B. & Bennet, S.S.R. 1982
Schefflera hoi (Dunn) Viguer (Araliaceae)—A tree new to India. *Indian Forester* 108 (7) : 495-496.
- ARP 105 Naithani, H.B. & Bennet, S.S.R. 1983
A new species of *Clerodendrum* Linn. (Verbenaceae) from India. *Indian Forester* 109 : 280-285.
- ARP 106 Naithani, H.B. & Bennet, S.S.R. 1984
A new species of *Pileostegia* Hook. f. & Th. (Hydrangiaceae) from Arunachal Pradesh (India). *Indian Forester* 110 (5) : 518-520.
- ARP 107 Naithani, H.B. & Bennet, S.S.R. 1987
Viburnum obtusifolium and *V. sempervirens* (Caprifoliaceae) new record for India from Arunachal Pradesh. *Indian Forester* 110 (7) : 682-685.
- ARP 108 Naithani, H.B., Rao, A.N. & Haridasan, K. 1985
Some additions to the orchid flora of Arunachal Pradesh. *Indian Journ. Forestry* 8 (4) : 333-334.
- ARP 109 Sahni, K.C. & Naithani, H.B. 1979
A rare and spectacular *Rhododendron* from Kameng District. *Indian Forester* 105 (1) : 77-80.
- ARP 110 Sahni, K.C. & Naithani, H.B. 1980
Lithocarpus Kamengii, A new species from Arunachal Pradesh. *Indian Forester* 106 (6) : 441-443.
- ARP 111 Sahni, K.C. & Naithani, H.B. 1980
Hypericum griffithii Hook. f. et Thoma. ex Dyer—a very rare shrub from Arunachal Pradesh. *Indian Forester* 106 : 865-868.

ASSAM

Broadly the Assam (Capital Dispur) to-day can be divided into three important physical regions : i) the Assam Himalayas—represents the easternmost part of the Himalayan range over a length of 720 km. across the

Brahmaputra ii) Brahmaputra valley—this region is again subdivided as the lower Assam valley containing the broken isolated groups of Hills. The upper Assam valley with unbroken plains on the southeast adjoining the northwest of the Naga Hills. iii) The Shillong Plateau—divides the Brahmaputra valley from the Barak valley. The Barak valley mainly consists numerous swampy isolated hills and ridges.

The State is divided into the following Revenue Districts :

1. Cachar : 6962 sq. km. ; population 23772 ; Dist. Hq. Silchar.
2. Darrang : 8775 sq. km. ; population 24076 ; Dist. Hq. Tezpur.
3. Goalpara : 10359 sq. km. ; population 30851 ; Dist. Hq. Dhubri.
4. Kamrup : 9863 sq. km. ; population 39591 ; Dist. Hq. Gauhati.
5. Karbi Anglongs : 10332 sq. km. ; population 5253 ; Dist. Hq. Diphu.
6. North Cachar Hills : 4890 sq. km. ; population 1055 ; Dist. Hq. Haflong.
7. Nowgong : 5561 sq. km. ; population 23306 ; Dist. Hq. Nowgong.
8. Sibsagar : 8989 sq. km. ; population 25476 ; Dist. Hq. Jorhat.
9. Lakhimpur : 5646 sq. km. ; population 9878 ; Dist. Hq. North Lakhimpur.
10. Dibrugarh : 7024 sq. km. ; population 19573 ; Dist. Hq. Dibrugarh.

Important River

The important and dominant river in Assam is Brahmaputra (2900 km.). After travelling through Tibet, it turns south-east making a hair-pin bend near Namcha Barwa.

Vegetation and Important Floristic Elements

Assam has high rainfall occurring between June to September. Important floristic elements are *Dipterocarpus macrocarpus*, *Amoora wallichii*, *Cinnamomum cecidophne*, *Dysoxylum procerum*, *Elaeocarpus rugosus*, *Shorea assamica*, *Polyalthia simiarum*, *Mesua ferrea*, *Canarium bengalense*, *Syzygium cumini*, *Melastoma malabathricum*, *Usbeckia nepalensis*, *Mallotus albus*, *Magnolia griffithii*, *Dendrocalamus hamiltonii*, *Culamus erectus*, *Phlogacanthus thyrsoiflorus*, *Pterospermum lanceaefolium*, *Cedrela toona*, *Albizia lucida*, *Bischofia javanica*, *Macaranga denticulata*, *Trema orientalis*, *Terminalia myriocarpa*, *Aspidocarya uvifera*, *Clematis acuminata*, *Laportea crenulata* etc.

Some Rare, Threatened and Endemic Species

Some of the rare species are : *Unona dimroa*, *Rhodola prainii*, *R. stapfi*, *Uvaria hamiltonii*, *Polyalthia simiarum*, *Homalium schleichii*, *Euonymus bullatus*, *Mycetta mukerjiana*, *Magnolia griffithii*, *Magnolia gustavi*, *Pachylarnax pleiocarpa*, *Eulophia candida*, *Sideroxylon assamicum*, *Phanera wallichii*, *Carex rara*, *Dischidia rafflesiana*, *Acanthephippium sylhetense*, *Bulbophyllum virens*, *Calanthe herbaceae*, *Calanthe odora*, *Chryssoglossum assamicum*, *Coelogyne griffithii*, *Eria calamifolia*, *Goodyera prainii*, *Liparis vestita*, *Paphiopedilum spicerianum*, *Physurus hirsutus*, *Taeniophyllum hastatus*, *Ceropegia angustifolia*, *Bambusa mastersii*, *Phyllostachys assamica*, *Poa wardiana*, *Hymenachne assamica*.

Tea plays a vital role in the economy of Assam. Apart from the Tea industry, Assam is very rich in supplying industrial raw materials and in this respect timber plays an important role. The forests are represented mainly by sal, teak, hallock, holong, bansam, amari, ajabar, sissou, simul, cane, bamboos, reeds etc. and various species of medicinal importance. Rice is predominately cultivated as a major food crop. Apart from the tea, the other non-food crops constitute jute, tobacco, rape, mustard, sugarcane etc.

Sanctuaries, National Parks

1. **Kaziranga National Park** : Sibsagar & Nowgong Dist.; 430 sq. km. ; forest types are tropical moist evergreen and tropical moist deciduous. Important elements are *Dillenia indica*, *Syzygium tetragonum*, *Talauma holgsonii*, *Cinnamomum bejolghota*, *Duabanga grandiflora*, *Lagerstroemia speciosa*, *Sterculia urens*, *Bridella retusa*, *Mallotus philippinensis*. Important representative faunistic elements are tiger, panther, rhinoceros, elephant, wild buffalo, swamp deer, hog deer, sambar, jungle fowl, partridge, pelican.
2. **Garampani Wild Life Sanctuary** : Sibsagar ; 6.00 sq. km. ; Tropical moist deciduous swamps — floristic elements are more or less as Kaziranga type. Important animal representatives are leopard, elephant, wild buffalo, hallock, whitewinged wood duck.
3. **Laokhoa Wild Life Sanctuary** : Nowgong ; 70 sq. km. ; Tropical semi-evergreen type, floristic elements constitute *Syzygium cumini*, *Lagerstroemia speciosa*, *Mallotus philippinensis*, *Cinnamomum tamala*, *Adhatoda vasica*, *Clerodendron viscosum* etc.

Important faunistic elements are one-horned rhinoceros, wild buffalo, gaur, swamp deer, hog deer, water birds.

4. **Manas Tiger Reserve Sanctuary** : Kamrup & Goalpara Dists. ; 390 sq. km. ; Tropical moist deciduous forests and alluvial grassland. Some of the representatives of the forest are *Sterculia villosa*, *Dillenia indica*, *Lagerstroemia parviflora*, *Terminalia bellerica*, *T. chebula*, *Bombax ceiba*, *Bridelia retusa*, *Trewia polycarpa* etc. The grassland elements are *Capillipedium assimile*, *Cynodon dactylon*, *Chrysopogon aciculatus*, *Digitaria ciliaris*, *Echinochloa colomum*, *Eleusine indica*, *Erianthus longiserosus*, *Rotthoellia exaltata*, *Saccharum procerum*, *Pogonatherum rufobarbatum*.

The important faunistic representatives are tiger, panther, rhinoceros, elephant, wild buffalo, swamp deer, sambar, hog deer, pygmy hog, florican, hornbill and golden langur that exist in Manas and Bhutan.

5. **Orang Wild Life Sanctuary** : Darrang Dist., 72.59 sq. km. ; important faunistic representatives are tiger, panther, rhinoceros, elephant, swamp deer, sambar, florican, water birds, green pigeon, horn bill.
6. **Pabna Wild Life Sanctuary** : Lakhimpur Dist., 49 sq. km. ; important animal representatives are wild buffalo, elephant, barking deer.
7. **Pabitora Game Reserve** : Nowgong Dist., 16 sq. km.
8. **Sonai Rupa Wild Life Sanctuary** : Darrang Dist., 175 sq. km ; tropical moist deciduous forest, important faunistic representatives are tiger, leopard, rhinoceros, elephant, wild buffalo, gaur, swamp deer, horn bill.

General

ASS 1 Arora, R.K. & Mehra, K. 1977

Plant exploration and collection in north-eastern India — a preliminary report. *Plant Genetic Resources*, FAO, Rome, Italy.

ASS 2 Balakrishnan, N.P. & Bijoy Krishna (1970) 1972

Bulbophyllum piluliferum King & Prantl, — a new record for Assam. *Bull. Bot. Surv. India* 12 (1-4) : 278-279.

- ASS 3 Banerjee, S.P. (1969) 1971
A note on *Lycopsis arvensis* auct. non. L. (Boraginaceae) in the Flora of Assam. *Bull. Bot. Surv. India* 11 : 213.
- ASS 4 Bhatanagar, H.P. 1963
Floristic composition of some Hollong (*Dipterocarpus macrocarpus*) Nahor (*Mesua ferrea*) forests of Assam. *Journ. Indian Bot. Soc.* 42 : 367-375. List of 240 spp.
- ASS 5 Bhatanagar, H.P. 1966
Phytosociological studies in some evergreen (Hollong-Nahor) forests of Assam. *Trop. Ecol.* 7 : 8-13, tab 1.
- ASS 6 Bor, N.L. 1938
A list of the grasses of Assam. *Indian Forest Rec. (N.S.)*, 1 (3) : 47-102.
- ASS 7 Bor, N.L. 1940
Gramineae In : Kanjilal, U. et al., *Flora of Assam* 5. Calcutta.
- ASS 8 Buchanan-Hamilton, F. 1820
An Account of Assam with some notices concerning the Neighbouring Territories. London.
- ASS 9 Carter, H.G. 1917
The vegetation of Bengal, Assam, Bihar and Orissa in S. Payne's Bengal, Assam, Bihar and Orissa. Calcutta.
- ASS 10 Chatterjee, R.N. & Raizada, M.B. 1948
New or little known plants from Assam. *Indian Forester* 74 : 385-392, pt. 2.
- ASS 11 Das, A. 1934
Some new species of Assam. *Assam For. Rec.* 1 : 1-24.
- ASS 12 Das, A. 1942
Floristics of Assam — A preliminary sketch. 150th Aniv. Vol. *Roy. Bot. Gdn.* Calcutta. 131-147.
- ASS 13 Das, B.N. & Rajkhowa, S. 1968
Woodlands of Assam. *Indian Forester* 94 (2) : 137-146.

- ASS 14 De, R.N. 1923
Assam to Burma across the hills. *Indian Forester* 49 : 529-537.
- ASS 15 Deb, D.B. 1963
Record of *Habenaria viridiflora* (Sw.) R. Br. var. *dulzellii* Hook. f. from Assam; a correction. *Curr. Sci.* 32 : 193.
- ASS 16 Deb, D.B. & Dutta, R.M. 1965
A new species of *Mycetia* Reinw. from Assam. *Indian Forester* 91 : 272-274.
- ASS 17 Deb, D.B. & Dutta, R.M. 1967
Observations on *Mycetia mukerjiana* Deb et Dutta. *Sci. & Cult.* 33 : 60-62.
- ASS 18 Deb, D.B. & Dutta, R.M. 1969
An addition to the Umbelliferae from North East India. In H. Santapau et al. (ed.) J. Seu Mem. Vol., *Bot. Soc. Bengal* 421-424. Calcutta.
- ASS 19 Deori, N.C. & Malhotra, C.L. (1973) 1976
See Deori, N.C. & Malhotra, C.L. under Arunachal Pradesh.
- ASS 20 Dutta, S. 1952
Some bananas of Assam. *Indian Journ. Hort.* 9 : 26-35.
- ASS 21 Dutta, S. 1954
Jujubes of Assam. *Indian Journ. Hort.* 11 : 53-56.
- ASS 22 Fischer, C.E.C. 1929-1938
Plants new to Assam. *Kew Bull.* 1929 : 247-254 (jointly with G.H. Spare) ; 1930 : 239-241 ; 1931 : 281-285 ; 1932 : 198-203, 348-349 ; 1934 : 90-94 ; 1935 : 319-322 ; 1936 : 280-286 ; 1937 : 473-475 ; 1938 : 210-213.
- ASS 23 Ghosh, R.B. 1980
A taxonomic survey and systematic census of the *Primula* Flora of Assam s. l. *Indian Forester* 106 : 813-823.
- ASS 24 Ghosh, R.B. & Mairi, G.G. (1979) 1980
Primula glabra Klatt -- a new record for Assam. *Journ. Bombay Nat. Hist. Soc.* 76 (3) : 559-560.

- ASS 25 Ghosh, R.B. & Prasad, R. 1970
Cleome rutidosperma DC. (Capparaceae): a new record for Assam. *Journ. Bombay Nat. Hist. Soc.* 67 : 128-129.
- ASS 26 Ghosh, R.B., Rao, R.R. & Maiti, G.G. 1978
 A less or little known plant of Eastern Himalaya. *Indian Forester* 104 : 751-753.
- ASS 27 Griffith, W. 1836
 Remarks on a collection of plants made at Sadiya, Upper Assam, from April to September 1836. *Journ. Asiat. Soc. Bengal* 5 : 806-813.
- ASS 28 Griffith, W. 1847
Journal of Travels in Assam, Burma, Bootan, Afghanistan and the Neighbouring Countries, Calcutta.
- ASS 29 Hajra, P.K. & Baishya, A.K. 1981
 Ethnobotanical notes on the Miris (Mishings) of Assam Plains. In S.K. Jain (ed.) '*Glimpses of Indian Ethnobotany*' 161-169. New Delhi.
- ASS 30 Hooker, J.D. 1854
Himalayan Journals. 2 vols. London.
- ASS 31 Jain, S.K. & Das, Sandhyajyoti, 1978
 Two new species of the genus *Coelogyne* Lindl. *Proc. Indian Acad. Sci.* 87B (Plant Sc.-2) : 119-124. *C. varzadae* & *C. schultesi*.
- ASS 32 Jain, S.K. & Hajra, P.K. 1976
 Orchids in some protected habitats in Assam in Eastern India. *Amer. Orch. Soc. Bull.* 45 : 1103-1109.
- ASS 33 Jain, S.K., Hajra, P.K. & Bhaumik, G.H. 1976
 Shifting cultivation and evolution of flora. In B. Guha Ray (ed.) '*Shifting cultivation in North-East India*' 43-46. Shillong.
- ASS 34 Kanjilal, U.N. et al. 1934-1946
Flora of Assam. 5 vols. Shillong.

- ASS 35 Kar, S.K. & Panigrahi, G. (1963) 1964
 The Rubiaceae in Assam & NEFA. *Bull. Bot. Surv. India* 5 : 227-237.
- ASS 36 Kataki, S.K. 1962
 Record of *Habenaria viridiflora* (Sw.) R. Br. var. *dalzellii* Hook. f. from Assam. *Curr. Sci.* 31 : 442.
- ASS 37 Kataki, S.K. & Panigrahi, G. 1964
 Ranunculaceae in Assam & NEFA. *Indian Forester* 90 : 394-400. 11 genera & 34 spp.
- ASS 38 Kataki, S.K. & Panigrahi, G. (1963) 1964
 New records of plants for India. Orchids-I. *Bull. Bot. Surv. India* 5 (3 & 4) : 243-246.
- ASS 39 Kingdon-Ward, F. 1960
Pilgrimage for plants. London.
- ASS 40 Maiti, G.G. 1982
 Gentianaceae of Eastern India. *Journ. Econ. Tax. Bot.* 3 (2) : 541-547.
- ASS 41 Naik, V.N. (1964) 1965
 See Naik, V.N. under Arunachal Pradesh.
- ASS 42 Naik, V.N. & Panigrahi, G. (1961) 1962
 Genus *Hedychium* in Eastern India. *Bull. Bot. Surv. India* 3 (1) : 67-73.
- ASS 43 Nayar, M.P. & Giri, G.S. (1983) 1985
 A new species of *Illigera* Blume (Hernandiaceae) from India. *Bull. Bot. Surv. India* 25 (1-4) : 249-251, fig. 1, descr., key to Indian spp. of *Illigera*.
- ASS 44 Neogi, B. & Jain, S.K. 1978
 A note on distribution of some grasses in Assam. *Journ. Bombay Nat. Hist. Soc.* 75 (2) : 531-533.
- ASS 45 Norman, T. 1961
 Plant notes from Assam. *Merremia tuberosa* and bamboo fruits. *Journ. Bombay Nat. Hist. Soc.* 58 (1) : 304-305.

- ASS 46 Ohashi, H. 1975
Ampelocissus sikkimensis (Laws.) Planch : *Fl. East. Himal.*
198.
- ASS 47 Panigrahi, G. 1965
Study in the Monocot flora of Assam and NEFA. I. *Proc. Nat. Acad. Sci. India* 35B : 357-366, tab. 1.
- ASS 48 Panigrahi, G. 1966
Systematic studies in the family Orchidaceae in Eastern India
1. *Aerides* Lour. and *Calanthe* R. Br. *Proc. Nat. Acad. Sci. India Sect.* 36B : 124-134.
- ASS 49 Panigrahi, G. 1966
Studies in the Monocot flora of Assam and North East Frontier Agency (Families Burmanniaceae to Dioscoreaceae).
Proc. Nation. Acad. Sci. India 36B : 353-368.
- ASS 50 Panigrahi, G. & Kar, S.K. (1966) 1967
See Panigrahi, G. & Kar, S.K. under Arunachal Pradesh.
- ASS 51 Panigrahi, G. & Katak, S.K. 1967
A new species of *Eulophia* R. Br. from Assam. *Sci. & Cult.*
33 : 124-125.
- ASS 52 Panigrahi, G. & Katak, S.K. 1967
Two new taxa from Eastern India. *Bull. Bot. Soc. Bengal* 21 :
29-32.
- ASS 53 Panigrahi, G. & Naik, V.N. 1966
New records of plants for India III. *Bull. Bot. Surv. India* 8
(1) : 89-90. 5 new rec.
- ASS 54 Purakayastha, C.S. 1938
Four new species from Assam. *Indian Forester* 64 (5) :
276-281.
- ASS 55 Rajkhowa, S. 1961
Forest types of Assam with special reference to the evergreen
and semi-evergreen forests. *Indian Forester* 87 : 520-541.

- ASS 56 Rao, A.S. 1970
A sketch of the Flora of North Eastern India – particularly Assam and Meghalaya. Souvenir in connection with 40th Session of the Central Board of Irrigation and Power, Shillong, 85-90.
- ASS 57 Rao, A.S. 1974
The vegetation and phytogeography of Assam – Burma. In : M.S. Mani (ed.) *Ecology and Biogeography in India, The Hague*. 204-246.
- ASS 58 Rao, A.S. (1977) 1979
Floristic studies in North-Eastern India (old Assam region). *Bull. Bot. Surv. India* 19 (1-4) : 56-60.
- ASS 59 Rao, A.S. & Joseph, J. 1967
Utricularia pubescens Sm. First report of its occurrence in India. *Indian Forester* 93 : 32-33.
- ASS 60 Rao, A.S. & Verma, D.M. (1969) 1972.
Notes on Zingiberaceae from Assam. *Bull. Bot. Surv. India* 11 : 245-248, fig. 1.
- ASS 61 Rao, A.S. & Verma, D.M. (1970) 1972
Materials towards a monocot flora of Assam-I (Hydrocharitaceae & Burmanniaceae). *Bull. Bot. Surv. India* 12 (1-4) : 139-143, fig. 2.
- ASS 62 Rao, A.S. & Verma, D.M. (1971) 1974
Curcumorpha – a new genus of Zingiberaceae. *Bull. Bot. Surv. India* 13 (3 & 4) : 339-341. *C. longiflora* (Wall.) A.S. Rao & D.M. Verma.
- ASS 63 Rao, A. S. & Verma, D. M. (1972) 1975
Materials towards a monocot flora of Assam-II. (Zingiberaceae & Marantaceae). *Bull. Bot. Surv. India* 14(1-4) : 114-143.
- ASS 64 Rao, A. S. & Verma, D. M. (1973) 1976
Materials towards a monocot flora of Assam-III. (Taccaceae, Dioscoreaceae & Stemonaceae). *Bull. Bot. Surv. India* 15 : 189-203.

- ASS 65 Rao, A. S. & Verma, D. M. (1974) 1977
Materials towards a monocot flora of Assam-IV. (Pontederiaceae, Xyridaceae & Commelinaceae). *Bull. Bot. Surv. India* 16(1-4) : 1-20.
- ASS 66 Rao, A. S. & Verma, D. M. (1976) 1979
Materials towards a monocot flora of Assam-V. *Bull. Bot. Surv. India* 18(1-4) : 1-48. 12 fam. 106 spp.
- ASS 67 Rao, A. S. & Verma, D. M. (1980) 1982
Notes on Cyperaceae of Assam. *Bull. Bot. Surv. India* 22(1-4) : 80-90. List of 12 spp., 3 new rec. for India; 6 new rec. for Assam, miscellaneous notes.
- ASS 68 Rao, R. S. 1964
New plant records from India. *Curr. Sci.* 33 : 120-121. *Beccarindia cordifolia* Burt., *Dioscorea scortechinii* Prain et Burk., *Leptaspis urceolata* R. Br. & *Coelogyne carnea* Hook. f.
- ASS 69 Rao, T. A. & Tribedi, G. N. 1969
A note on the Pitcher plant habitat in Assam. *Indian Forester* 95 : 611-613.
- ASS 70 Robinson, W. 1841
A descriptive account of Assam. London.
- ASS 71 Rowntree, J. E. 1953
An introduction to the vegetation of the Assam Valley. *Indian For. Rec. (N. S.)* 9 (1) : 1-87.
- ASS 72 Sengupta, J. N. 1937
The forests of Upper Assam. *Indian Forester* 63 : 734-745.
- ASS 73 Shukla, U. 1978
Notes on the grasses of Eastern India. *Indian Journ. Forestry* 1 (4) : 293-296.
- ASS 74 Sinha, A. K., Maiti, G. G. & Giri, G. S. 1981
A new species of *Jasminum* (Oleaceae) from India. *Journ. Bombay Nat. Hist. Soc.* 77 : 305-307, fig. 1 *J. simonsii*.

- ASS 75 Spate, G. H. & Fischer, C. E. C. 1929
Plants new to Assam. *Kew Bull. Misc. Inf.* 1929 : 247-254.
- ASS 76 Subba Rao, G. V. (1964) 1965
Crotalaria sericea Retz. in Flora of Assam. *Bull. Bot. Surv. India* 6 : 319-320.
- ASS 77 Subramanyam, K. & Nayar, M. P. 1969
A new species of *Oxyrhopa* DC. (Melastomataceae) from Assam, India. In : H. Santapau et al. (ed.) J. Sen. Mem. Vol. *Bot. Soc. Bengal* 41:413. Calcutta.
- ASS 78 Swaminathan, M. S. & Joseph, J. (1983) 1985
The Eastern Circle, Botanical Survey of India, Shillong. *Bull. Bot. Surv. India* 25 (1-4) : 320-326. Discussion and list of new species described so far from the area.
- ASS 79 Wallich, N. 1820-1832
Plantae Asiaticae Rariores. 3 vols. London.
- ASS 80 Baruah, P. & Sarma, G.C. 1984
Studies on the medicinal uses of plants by the Boro tribals of Assam-II. *Journ. Econ. Tax. Bot.* 5 (3) : 599-604. List of plants with notes on their medicinal uses.

Cachar (District)

- ASS 81 Gupta, K. K. 1972
Flowering in different species of bamboos in Cachar district of Assam in recent times. *Indian Forester* 98 (2) : 83-85.
- ASS 82 Majumder, R. B. (1983) 1985
Three new taxa of Indian bamboos. *Bull. Bot. Surv. India* 25 (1-4) : 235-238, figs. 3, deser.

Gaubati

- ASS 83 Ghosh, R. B. & Prasad, R. 1970
Cleome rutidosperma DC. (Capparaceae) a new record for Assam. *Journ. Bombay Nat. Hist. Soc.* 67 (1) : 128-129.

ASS 84 Rao, A. S. & Hajra, P. K. 1974

Psidium guineense Swartz in Gauhati, Assam. *Curr. Sci* 43 : 63.

ASS 85 Rao, A. S. & Hajra, P. K. 1977

Paphiopedilum fairieanum (Lindl.) Pfitz. : habitat, description and cultural notes. *Indian Forester* 103 : 29-31.

ASS 86 Rao, R. R. 1979

Parthenium hysterophorus Linn. (Asteraceae) from Gauhati, Assam-a new record for North East India. *Journ. Indian Bot. Soc.* 58 (1) : 44-46.

Goalpara

ASS 87 Campbell, T. J. 1896

Notes on the Goalpara Forest Division. Assam. Calcutta.

ASS 88 Subba Rao, G. V. (1963) 1964

A new species of *Polygonum* from Assam. *Bull. Bot. Surv. India* 5 (3 & 4) : 257.

ASS 89 Subba Rao, G. V. (1964) 1965

Polygonum glandulosum Subba Rao : a correction. *Bull. Bot. Surv. India* 6 : 106.

Golaghat

ASS 90 Nayar, M. P. & Giri, G. S. 1979

Lectotype of *Maesa castaneifolia* Mez (Myrsinaceae) and a new addition to the Indian Flora. *Journ. Bombay Nat. Hist. Soc.* 75 (1) : 252-254, fig. 1.

Kamrup (District)

ASS 91 Rao, A. S. & Hajra, P. K. (1974) 1977

Eulophia mannii a scarcely known ground orchid from Assam. *Bull. Bot. Surv. India* 16 (1-4) : 156-157.

ASS 92 Rao, A. S. & Hajra, P. K. (1979) 1981

Polypleurum stylosum (Wt.) J. B. Hall (Podostemaceae) in kamrup District, Assam with taxonomic notes and a new combination. *Bull. Bot. Surv. India* 21 (1-4) : 192-195.

ASS 93 Rao, A. S. & Rabha, L. C. (1966) 1967

Contributions to the botany of Kamrup District (Southern part), Assam. *Bull. Bot. Surv. India* 8 (3 & 4) : 296-303. Enum. vascular plants.

Lakhimpur

ASS 94 Rao, A. S. & Verma, D. M. (1969) 1971

Parakaempferia synantha (Zingiberaceae) a new genus and species from Assam. *Bull. Bot. Surv. India* 11 (1 & 2) : 206-208.

ASS 95 Rao, A. S. & Verma, D. M. (1969) 1972

Contributions to the botany of North Lakhimpur subdivision, Assam. *Bull. Bot. Surv. India* 11 : 403-413. List of 604 spp. special ref. aquatic vegetation.

Manas Wild Life Sanctuary

ASS 96 Jain, S. K. & Hajra, P. K. 1975

On the botany of Manas Wild Life Sanctuary in Assam. *Bull. Bot. Surv. India* 17 (1-4) : 75-86. Enum. 383 species from the sanctuary falls under the 'Tiger Project' area of Assam.

Mikir Hills

ASS 97 Borthakur, S. K. 1976

Less known medicinal uses of plants among the tribals of Karbi-Anglong (Mikir Hills), Assam. *Bull. Bot. Surv. India* 18 (1-4) : 166-171. Notes on medicinal uses of 43 taxa.

ASS 98 Borthakur, S. K. 1981

Certain plants in the Folk-lore and Folk-life of the Karbis (Mikirs) of Assam. In S. K. Jain (ed.) '*Glimpses of Indian Ethnobotany*' 170-181. New Delhi.

ASS 99 Borthakur, S. K. 1981

Studies in Ethnobotany of the Karbis (Mikirs) : Plant Masticatories and Lye staff. In S. K. Jain (ed.) '*Glimpses of Indian Ethnobotany*' 182-190. New Delhi.

ASS 100 Borthakur, S. K. & Hajra, P. K. 1976

Vanilla pilsbana Holtt. (Orchidaceae) in Mikir Hills, Assam. *Bull. Bot. Surv. India* 18 (1-4) : 228-230.

ASS 101 Jain, S. K. & Borthakur, S. K. 1980

Ethnobotany of the Mikirs of India. Econ. Bot. 34 : 264-272.

North Cachar Hills

ASS 102 Dutta, A. K., Dutta, T. K. & Gupta, K. K. 1974

A tentative accounting of the forest flora of North Cachar Hills and Barail Range. *Indian Forester* 100 : 60-76. List of 314 spp.

ASS 103 Rao, A. S. & Deori, N. C. (1973) 1976

Galeola altissima (Bl.) Reichb. f. first report of its occurrence in India, from North Cachar Hills, Assam. *Bull. Bot. Surv. India* 15 : 123-125.

Nowgong (District)

ASS 104 Chowdhury, S. N. 1976

Camarotis obtusa Lindl. in Nowgong District, Assam. *Indian Forester* 102 : 614-616.

GENERAL ADDITION

ASS 105 Rao, A. S. & Verma, D. M. 1982

Cyperaceae of North East India : Botanical Survey of India, Howrah. i-iv+1-100, map 1, figs. 62. Enumeration and short descriptions.

BIHAR

The State of Bihar (Capital Patna) can be broadly divided into two distinct regions by the river Ganga, (a) the Northern Bihar—the Gangetic plains almost a level tract except with a fringe of Himalayan foothills and Terai region and (b) the Southern Bihar around the districts of Chota Nagpur commonly called Chotanagpur Plateau which is thickly wooded and hilly. Important rivers of North Bihar are Kosi, Gondak and Sone. In the South Bihar the important rivers are Damodar, Barakar, Koel and Subarnarekha.

The State with a total area of about 17,385 sq. km. is divided into 31 Districts as follows :

1. **Patna** : 3181.9 sq. km. ; population 3031463 ; Dist. Hq. Patna.
2. **Nalanda** 2346.1 sq. km. ; population 1638364 ; Dist. Hq. Bihar Sharif.
3. **Gaya** : 4287.1 sq. km. ; population 3138316 ; Dist. Hq. Gaya.
4. **Aurangabad** : 4408.9 sq. km. ; population 1236528 ; Dist. Hq. Aurangabad.
5. **Nawada** : 3647.6 sq. km. ; population 1099067 ; Dist. Hq. Nawada.
6. **Bhojpur** : 4023.8 sq. km. ; population 2389658 ; Dist. Hq. Arrah.
7. **Rohtas** : 7296.2 sq. km. ; population 2363905 ; Dist. Hq. Sasaram.
8. **Saran** : population 2074267 ; Dist. Hq. Chapra.
9. **Siwan** : 6952.0 sq. km. ; population 1778050 ; Dist. Hq. Siwan
10. **Gopalganj** : population 1361555 ; Dist. Hq. Gopalganj.
11. **Champanan East** : 4333.8 sq. km. ; population 2427749 ; Dist. Hq. Motihari.
12. **Champanan West** : 4862.2 sq. km. ; population 1967579 ; Dist. Hq. Bettiah.
13. **Muzaffarpur** : 3160.1 sq. km. ; population 2353283 ; Dist. Hq. Muzaffarpur.
14. **Vaishali** : 2018.7 sq. km. ; population 1661512 ; Dist. Hq. Hajipur.
15. **Sitamarhi** : 2659.2 sq. km. ; population 1929827 ; Dist. Hq. Sitamarhi.
16. **Samastipur** : 2856.4 sq. km. ; population 2116741 ; Dist. Hq. Samastipur.
17. **Madhubani** : 3526.6 sq. km. ; population 2324074 ; Dist. Hq. Madhubani.
18. **Monghyr** : 7927.6 sq. km. ; population 3314806 ; Dist. Hq. Monghyr.
19. **Bhagalpur** : 5656.0 sq. km. ; population 2610719 ; Dist. Hq. Bhagalpur.
20. **Santhal Parganas** : 14129.6 sq. km. ; population 3707160 ; Dist. Hq. Dumka.
21. **Begusarai** : 1899.4 sq. km. ; population 1456512 ; Dist. Hq. Begusarai.
22. **Saharsa** : 5885.0 sq. km. ; population 2952234 ; Dist. Hq. Saharsa.
23. **Purnea** : 7989.7 sq. km. ; population 3592637 ; Dist. Hq. Purnea.
24. **Katihar** : 3023.3 sq. km. ; population 1427197 ; Dist. Hq. Katihar.

25. **Palamau** : 12677.0 sq. km. ; population 1916152 ; Dist. Hq. Daltonganj.
26. **Hazaribagh** : 11152.5 sq. km. ; population 2195735 ; Dist. Hq. Hazaribagh.
27. **Giridih** : 6907.5 sq. km. ; population 1730478 ; Dist. Hq. Giridih.
28. **Ranchi** : 18331.0 sq. km. ; population 3059362 ; Dist. Hq. Ranchi.
29. **Dhanbad** : 2994.0 sq. km. ; population 2104381 ; Dist. Hq. Dhanbad.
30. **Singhbhum** : 13447.0 sq. km. ; population 2859260 ; Dist. Hq. Chaibasa.
31. **Darbhanga** : 2296.0 sq. km. ; population 2004583 ; Dist. Hq. Darbhanga.

Vegetation and Important Floristic Elements

Geographically the plains of North Bihar and a portion of South consist of the fertile alluvial soil while the southern part mostly represent red soil. The annual rainfall is about 140 cm. with a maximum downpour during July-August followed by the hottest months of May-June. All these factors favour a good vegetation. The vegetation can be broadly divided into three categories :

- (i) **Evergreen type** : This type found in and around Champaran extending to the northern part of Purnea of North Bihar and in Hazaribagh Singhbhum districts of South Bihar. Some of the representatives are : *Terminalia tomentosa*, *Dillenia pentagyna*, *Uvaria hamiltonii*, *Meliosma simplicifolia*, *Elaeocarpus serratus*, *Colebrookia oppositifolia*, *Glochidion lanceolarium*, *Syzygium cumini*, *Butea monosperma*.
- (ii) **Dry deciduous type** : Most of the areas of South Bihar around Rajmahal, Ranchi and Palamau districts are predominated by this type. Important representatives are : *Shorea robusta*, *Tectona grandis*, *Diospyros melanoxylon*, *Terminalia arjuna*, *Lagerstroemia parviflora*, *Embllica officinalis*, *Streblus asper*, *Mudhuca longifolia*, *Colebrookia oppositifolia*, *Flemingia chappar*, *Mallotus philippinensis*, *Bridelia stipularis*, *Symplocos racemosa* etc.
- (iii) **Thorny-scrub forest** : This type is found in the hot districts of South Bihar like Gaya and Bhagalpur. Common plants are *Zizyphus mauritiana*, *Flacourtia ramontchi*, *Capparis sepiaria*, *Aegle marmelos*, *Acacia concinna*, *Barleria cristata* etc.

The State is ideally suited for agriculture due to its large tracts of fertile alluvial soil, favourable climate and source of ground water. The principal crops are rice, jute, wheat, maize, mustard, sugarcane. The main forest products are timbers, bamboos, gums, resins, kandu leaves and lac. Bihar is very rich in its mineral wealth. The important minerals are bauxite, mica, kyanite, manganese, limestone, graphite, feldspar, silver, columbite, chromite, slate, lead etc. Bihar accounts for about 40% of the country's coal. Due to its easy availability of coal, mineral there exist large number of giant undertakings like Bokaro Steel, Barauni Refinery, Sindri Fertilizer Factory, Mica Syndicate etc. Jamshedpur is regarded as the "Steel Town" in India. The forest or agricultural based industries are distilleries, jute mills, silk industries etc.

Sanctuaries, National Parks, Tiger Reserves

1. **Bamiaburu Wild Life Sanctuary** : Singhbhum Dist. ; 130 sq.km. tropical dry deciduous ; animal representatives : tiger, panther, elephant, sambar.
2. **Baresand Wild Life Sanctuary** : Palamau Dist. ; 60 sq. km. ; tropical dry deciduous ; animal representatives : tiger, elephant, gaur, leopard, sambar, spotted deer.
3. **Bhimbandh Wild Life Sanctuary** : Monghyr Dist. ; 631.90 sq. km. ; tropical dry deciduous ; important animals : tiger, leopard, sambar, wolf, spotted deer.
4. **Dalma Wild Life Sanctuary** : Singhbhum Dist. ; 193.22 sq. km. ; tropical dry deciduous thorns ; animal representatives : leopard, sloth bear, elephant, mouse deer, barking deer.
5. **Gautam Buddha Wild Life Sanctuary** : Gaya Dist. ; 259.50 sq. km. ; tropical dry deciduous ; faunal representatives : tiger, leopard, sambar, spotted deer, barking deer, peafowl.
6. **Hazaribagh Wild Life Sanctuary** : Hazaribagh Dist. ; 186.25 sq. km. ; tropical moist dry deciduous ; faunal representatives : tiger, leopard, wildcat, sambar, spotted deer, blue bull, peafowl.
7. **Jubilee Park** : Jamshedpur ; 83.3 ha. ; a private garden dedicated to the public having a collection of 7,800 trees & shrubs covering 1200 spp.
8. **Kaimur Wild Life Sanctuary** : Rohtas Dist. ; 1342.22 sq. km. ; tropical dry deciduous-thorn and grassland ; important animals : tiger, leopard, sambar, barking deer, blue bull, blackbuck, crocodile.

9. **Kerk** : Daltonganj ; 111 sq. km. ; tropical dry deciduous ; important animals : blackbear, elephant, gaur, spotted deer.
10. **Kodarma** : Kodarma ; 176.12 sq. km. ; tropical dry deciduous ; faunal representatives : tiger, leopard, sloth bear, sambar, spotted deer, four-horned antelope.
11. **Lanaal Madanpur & Udaipur** : Champaran Dist. ; 6.57 sq. km. ; tropical moist deciduous ; important animals : tiger, leopard, wolf, sambar, spotted deer, blue bull.
12. **Lat** : Dultongang ; 230 sq. km. ; tropical dry deciduous ; faunal representatives : tiger, elephant, gaur, spotted deer.
13. **Lawalong Wild Life Sanctuary** : Hazaribagh Dist. ; 207.00 sq. km. ; tropical moist deciduous, animal representative : tiger, leopard, sloth bear, sambar, spotted deer.
14. **Mahmadaur Wild Life Sanctuary** ; Palamau Dist. ; 63.25 sq. km. ; tropical dry deciduous ; faunal representation : tiger, leopard, wolf, spotted deer, barking deer.
15. **Palamau Tiger Reserve** : Palamau Dist. ; 979.27 sq.km.; tropical dry deciduous, important faunal representation : tiger, leopard, wild dog, elephant, gaur, sambar, spotted deer, jungle fowl, partridge, peafowl.
16. **Rajgir Wild Life Sanctuary** : Nalanda Dist. ; 35.84 sq. km.; tropical dry deciduous thorns ; important animals : tiger, wolf, hyaena, sloth bear, sambar, chinkara, blue bull.
17. **Sasungada Baru** : Singhbhum Dist. ; tropical dry deciduous thorns ; important animals : tiger, wolf, hyaena, sloth bear, sambar, chinkara, blue bull.
18. **Tebo** : Singhbhum Dist. ; 132.00 sq.km. ; tropical dry deciduous ; important faunal representative : tiger, sloth bear, panther, wolf, sambar, elephant.
19. **Topchanchi Wild Life Sanctuary** : Dhanbad Dist. ; 8.75 sq.km.; tropical dry and moist deciduous ; important faunal representation : waterfowl, birds of pery.
20. **Vaishiknagar Wild Life Sanctuary** : Champaran Dist. (WL), 148.35 sq. km. ; tropical moist deciduous ; important faunal representation : tiger, panther, spotted deer, sambar.

Important floral elements are : *Shorea robusta*, *Boswellia serrata*, *Dendrocalamus strictus*, *Mitragyna parvifolia*, *Holarrhena antidys-*

senterica, *Gmelina arborea*, *Mulotus philippinensis*, *Kydia calycina*, *Aegle marmelos*, *Bombax ceiba*, *Acacia catechu*, *Saccopetalum tomentosum*, *Diospyros melanoxylon*, *Anogeissus latifolia*, *Terminalia tomentosa*, etc.

General

BIH 1 Anderson, T. 1863

On the flora of Bihar and the mountain of Parasnath with a list of the species collected by Messers Hooker, Edgeworth, Thomson and Anderson. *Journ. Asiat. Soc. Bengal* 32 : 198-218.

BIH 2 Ara, Jamal 1951

Wild Life Reserves in India : Bihar Province. *Journ. Bombay Nat. Hist. Soc.* 48(2) : 283-287.

BIH 3 Banerjee, D.K. & Pal, D.C. (1970) 1972

Some distributional records in Indian grasses. *Bull. Bot. Surv. India* 12(1-4) : 70-72. Rec. 12 spp.

BIH 4 Banerjee, S.P. & Banerjee, R.N. 1967

Notes on *Argyrea involucreta* Clarke (Convolvulaceae) with a plate. *Journ. Bombay Nat. Hist. Soc.* 64 (3) : 586-586.

BIH 5 Banerjee, S.P. & Banerjee, R.N. 1967

Report of *Aspidopterys nutans* (Roxb.) Juss. (Malpighiaceae) from Bihar. *Indian Forester* 93 : 413.

BIH 6 Banerjee, S.P. & Banerjee, R.N. (1969) 1967

Notes on the distribution of *Tylophora tenerrima* Wall. ex Wight (Asclepiadaceae). *Bull. Bot. Surv. India* 8 : 356.

BIH 7 Banerjee, S.P. & Banerjee, R.N. (1969) 1972

On the occurrence of *Solanum khasianum* Clarke var *chatterjeeanum* Sen Gupta in Bihar. *Bull. Bot. Surv. India* 11 : 192.

BIH 8 Biswas, S.N. & Majumdar, N.C. 1977

A bibliography of the Botany of Bihar. *Botanique* 10 (1-4) : 85-93.

- BIH 9 Boddington, B.O. 1927
Studies in Santal medicines & connected folklore. *Mem. Asiat. Soc. Bengal* 10 : 133-426.
- BIH 10 Carter, H.G. 1917
The vegetation of Bengal, Assam, Bihar and Orissa in S. Payne's "*Bengal, Assam, Bihar and Orissa*" Calcutta. 54-58.
- BIH 11 Haines, H.H. 1919
Some new species of plants from Bihar and Orissa. *Journ. & Proc. Asiat. Soc. Bengal* 15 : 309-317 ;
- BIH 12 Haines, H.H. 1921-1925
The Botany of Bihar and Orissa, London. Repr. ed. Calcutta 1961.
- BIH 13 Howard, A. & Khan, A.R. 1922
The wheat of Bihar and Orissa. *Mem. Dept. Agric. Indian Bot.* 12 (1) : 1-20.
- BIH 14 Jain, S.K., Banerjee, D.K. & Pal, D.C. 1975
Grasses of Bihar, Orissa and West Bengal. *Journ. Bombay Nat. Hist. Soc.* 72(3) : 758-773. Enum. 489 spp.
- BIH 15 Jain, S.K. & Tarafdar, C.R. 1970
Medicinal plantlore of the Santals (A revival of B.O. Boddington's work). *Econ. Bot.* 24 : 241-278.
- BIH 16 Janardhanan, K.P. & Prasad, R. 1971
Ludwigia hyssopifolia (G. Don) Exell—a new record for the Upper Gangetic Plain and Rajasthan. *Bull. Bot. Surv. India* 13 : 160.
- BIH 17 Kanodia, K.C. & Mallick, K.C. 1966
New plant records and critical notes on some plants from S. Bihar. *Indian Forester* 92 : 707-708.
- BIH 18 Krishna, B. (1977) 1979
Floristic studies in India—present status and future strategies with special reference to Bihar. *Bull. Bot. Surv. India* 19 : 33-38.

- BIH 19 Maheshwari, J.K. (1964) 1965
Alternanthera philoxeroides (Mart.) Griseb.—a new record for India. *Bull. Bot. Surv. India* 6(2-4) : 313-314.
- BIH 20 Maheshwari, J.K. & Pandey, R.S. 1973
Parthenium weed in Bihar state. *Curr. Sci.* 42 (20) : 733. *P. hysterophorus*.
- BIH 21 Mooney, H.F. 1941
 Some additions to the botany of Bihar and Orissa. *Indian For. Rec.* 3 (2) : 63-119.
- BIH 22 Mooney, H.F. 1947
 The occurrence of some indigenous species of Rosaceae in Bihar, Orissa and neighbourhood states. *Journ. Indian Bot. Soc.* 26 : 75-83.
- BIH 23 Mooney, H.F. 1950
Supplement to the Botany of Bihar and Orissa, Ranchi. 1-268. (See Santapau in *Journ. Bombay Nat. Hist. Soc.* 49 : 768-770, 1951 for review of this book).
- BIH 24 Pal, D.C. 1971
 The identity and distribution of certain taxa in Bihar and Orissa. *Indian Forester* 97 : 264-265. Notes and distrib. 3 grasses.
- BIH 25 Pal, D.C. 1972
 Medico-religious beliefs about plants among adibasis of Bihar. *Folklore* 13 : 479-483.
- BIH 26 Pal, D.C. 1977
 A note on the plants used by the tribals in India for hair and scalp preparations. *Folklore* 18 : 1-5.
- BIH 27 Pal, D.C. (1980) 1982
 Observation on folklore about plants used in veterinary medicine in Bengal, Orissa and Bihar. *Bull. Bot. Surv. India* 22 (1-4) : 96-99.
- BIH 28 Raizada, Gobind 1978
 Some interesting plants from Bihar. *Indian Journ. Forestry* 1 : 61-155.

- BIH 29 Rao, R.S. 1964
New plant records from India. *Curr. Sci.* 33 : 120-121.
- BIH 30 Sanyal, A. 1957
Additional notes on the botany of Bihar & Orissa by H.H. Haines and its supplement by Dr. H. Mooney. *Indian Forester* 83(3) : 230-235.
- BIH 31 Saxena, H.O. 1976
Additions to the flora of Bihar & Orissa. *Journ. Bombay Nat. Hist. Soc.* 73(3) : 553-554. 9 new rec.
- BIH 32 Saxena, H.O. 1978
Additions to the flora of Bihar & Orissa-II. *Journ. Bombay Nat. Hist. Soc.* 75(3) : 941-942. 10 new rec.
- BIH 33 Srivastava, D.P., Paul, S.R. & Sinha, B.C. 1966
Weeds of wheat field in Bihar. *Proc. Bihar Acad. Agric. Sci.* 15 : 1-10.
- BIH 34 Srivastava, J.G. 1951
On aerial roots of *Pithe quadrangularis* Wall. *Curr. Sci.* 20 (5) 133.
- BIH 35 Srivastava, J.G. 1954
Woodhouse, E.J. : His contribution to our knowledge of the flora of Bihar. *Journ. Bombay Nat. Hist. Soc.* 52(3) : 663-665.
- BIH 36 Srivastava, J.G. 1959
Recent trends in the flora of Bihar State. *Journ. Indian Bot. Soc.* 38 : 186-194.
- BIH 37 Srivastava, J.G. 1961
Some recently introduced wild grasses of Bihar. *Journ. Indian Bot. Soc.* 40 : 465-472.
- BIH 38 Srivastava, J.G. 1964
Some tropical American and African weeds that have invaded the State of Bihar. *Journ. Indian Bot. Soc.* 43 : 102-112.
- BIH 39 Thothathri, K. 1965
Arnebia hispidissima DC. : a new record for Bihar state. *Curr. Sci.* 34 : 166.

BIH 40 Uniyal, B.P. & Srivastava, S.C. 1983
 Distributional notes on two plants. *Journ. Econ. Tax. Bot.*
 4(3) : 1029.

BIH 41 Verma, S.K. 1978
 New plant for Bihar State. *Geobios* 5 (6) : 223-224. 2 new
 rec. : *Hygrophila heinei* Sreem. & *Trianthema triquetra* Rottl.
 & Willd.

Bhagalpur (District)

BIH 42 Paul, S.R. 1966
 Rice field weeds of District Bhagalpur, Bihar. *Proc. Bihar
 Acad. Agric. Sci.* 15 : 15-24.

BIH 43 Paul, S.R. 1967
 Studies on the grasses of Bhagalpur district (Bihar). *Indian
 Forester* 93 : 169-179.

BIH 44 Verma, S.K. 1979
Plantago—a new record for Bihar. *Indian Journ. Forestry* 2
 (4) : 306. *P. major* L.

Chaibasa (Singhbhum Dist.)

BIH 45 Biswas, D.K. & Maheshwari, J.K. (1980) 1981
 A contribution to the vegetation of Chaibasa (South), Singh-
 bhum Dist. (South Bihar). *Journ. Bombay Nat. Hist. Soc.*
 77(2) : 223-226. Enum.

BIH 46 Majumdar, N.C. & Biswas, S.N. 1971
 An account of the vegetation of Chaibasa, Singhbhum
 District in South Bihar. *Bull. Bot. Soc. Bengal* 25 (1 & 2) :
 43-51.

Champan (District)

BIH 47 Banerjee, S.P. & Banerjee, R.N. (1968) 1969
 Materials for a flora of north Bihar-1. Champan district.
Bull. Bot. Surv. India 10 : 183-189.

BIH 48 Banerjee, S.P. & Banerjee, R.N. 1969
 A sketch of the vegetation of Champan district of north
 Bihar. *Bull. Bot. Soc. Bengal* 23(2) : 167-170.

BIH 49 Thothathri, K. 1965

A contribution on some plants from Champaran district, North Bihar. *Indian Forester* 91 : 743-746.

BIH 50 Verma, D.M. 1963

Preliminary observations of three grassland communities of Khair-sisoo (*Acacia-Dalbergia*) forests in Champaran forest Division, Bihar. *Proc. Nat. Acad. Sci.* 35 : 61-62.

Chota Nagpur

BIH 51 Ara, J. 1954

Orchids of Chota Nagpur. *Journ. Nat. Hist. Soc. Bengal* 26 : 177-185.

BIH 52 Haines, H.H. 1910

A Forest Flora of Chota Nagpur including Gangapur and Santal purganas : a description of all indigenous trees, shrubs and climbers, the principal economic herbs and most common cultivated trees and shrubs. Calcutta.

BIH 53 Mukerjee, S.K. 1947

A botanical tour in Chota Nagpur. *Bull. Bot. Soc. Bengal* 1 : 27-28.

BIH 54 Wood, J.J. 1902

Plants of Chutia Nagpur, including Jaspur and Sirguja. *Rec. Bot. Surv. India* 2(1) : 1-170.

Damodar Valley

BIH 55 Kachroo, P. 1956

Plant types of the ponds of lower Damodar Valley. *Journ. Indian Bot. Soc.* 35 : 430-445.

BIH 56 McClelland, J. 1848-1849

Vegetation of the country traversed by during the geological survey of Rajmahal hills and Damodar valley. *Rept. Geol. Surv. India* 57-92.

Darbhanga (District)

BIH 57 Agrawal, R.P. 1979

Some hitherto unreported hosts of *Dendrothoe falcata* Ettings in and around Darbhanga (North Bihar), India. *Journ. Indian Bot. Soc.* 58 : 61.

BIH 58 Misra, A.K. (1969) 1972

Angiospermic flora of Darbhanga (Mithila, North Bihar)-I. *Bull. Bot. Surv. India* 11 (3 & 4) : 322-329. List of 287 spp.

BIH 59 Misra, A.K. (1971) 1974

Angiospermic flora of Darbhanga (Mithila, North Bihar)-III. *Bull. Bot. Surv. India* 13(3&2) : 214-216.

BIH 60 Misra, A. & Agrawal, R.P. 1969

Preliminary notes on plants of Darbhanga. *Vidya* 11:24.

BIH 61 Misra, A. & Jha, D. 1972

Floristics in Darbhanga. *Planta* 2 (1) : 136-143.

BIH 62 Sarma, J. 1971

Plants of Raj area, Darbhanga. *Planta* 1(2) : 41-44.

BIH 63 Sinha, R. & Misra, A. 1975

Plant exploration at Darbhanga, North Bihar. *Bull. Bot. Soc. Bengal* 29 : 65-70. List of Plants.

Gangapur

BIH 64 Haines, H.H. 1910

See Haines, H.H. 1910 under Chota Nagpur.

Hazaribagh (District)

BIH 65 Ball, V. 1866-1867

Notes on the principle jungle forests used as article of food by the natives of the districts of Manbhum & Hazaribagh. *Proc. Asiat. Soc. Bengal* 36 : 273-282. 1866. 37 : 110-111. 1867.

BIH 66 Srivastava, I.G. 1958

Vegetation of the Hazaribagh District and the Pareshnath Hill. (Revised District Gazetteer of Bihar State), Hazaribagh, Patna.

Hazaribagh National Park

BIH 67 Ara, J. 1960

A cursory ecological survey of the flora and fauna of the Hazaribagh National Park (Bihar). *Journ. Bombay Nat. Hist. Soc.* 57(2) : 326-338. Conservation.

BIH 68 Ara, J. 1966

Hazaribagh National Park (Bihar) revisited. *Journ. Bombay Nat. Hist. Soc.* 63 : 123-138.

Jharia

BIH 69 Biswas, K. 1934

The Vegetation of the neighbourhood areas of Raniganj & Jharia coal fields. *Trans. Min. & Geol. Inst. India.* 29 : 61-63.

Manbhum (District)

BIH 70 Ball, V. 1867

See Ball, V. under Hazaribagh.

BIH 71 Ball, V. 1869

Notes on the flora of Manbhum. *Journ. Asiat. Soc. Bengal (N.S.)* II, 38 : 112-124.

BIH 72 Sen, A. 1976

A new species of *Teramnus* Sw. from Manbhum, India. *Journ. Bombay Nat. Hist. Soc.* 73 (1) : 187-188. *T. hookerianus* sp. nov.

Mithila

BIH 73 Sinha, L. 1957

The wealth of Mithila. Darbhanga.

BIH 74 Sinha, V. 1955

Mithilak Udyog ouyapar. Darbhanga.

Monghyr

BIH 75 Paul, S.R. 1973

On the aquatic and marsh flora of Monghyr, Bihar. *Botanique* 4 : 143-152.

Muzaffarpur (District)

BIH 76 Srivastava, J.G. 1958

Vegetation of the Muzaffarpur District (Revised District Gazetteer of Bihar State). Muzaffarpur, Patna.

Netarhat Plateau

BIH 77 Maheshwari, J.K. & Paul, S.R. 1974

Occurrence of *Lepidium virginicum* Linn. in Netarhat plateau (Bihar). *Journ. Bombay Nat. Hist. Soc.* 70 (3) : 575-576, pl. 1.

BIH 78 Paul, S.R. 1978

New plant records for Bihar from Netarhat Plateau-5. *Bot. Reg.* 1 : 16-19. Addition of 12 grasses to Bihar.

BIH 79 Paul, S.R. & Prasad, S.S. 1978

New plant records for Bihar from Netarhat Plateau-3. *Proc. Nat. Acad. Sci. India* 48B : 93-98. Addition of 12 spp.

Palamau (District)

BIH 80 Mooney, H.F. 1944

A list of plants recorded from the parts of Ranchi and Palamau districts and the States of Jaspur and Sirguja. *Journ. R. Asiat. Soc. Bengal* 10 : 99-118.

Parasnath

BIH 81 Anderson, T. 1863

See Anderson, T. under Bihar general.

BIH 82 Bharadwaja, R.C. 1958

On the grasses of Parasnath (Bihar). *Journ. Indian Bot. Soc.* 57 : 229-232.

BIH 83 Clarke, C.B. 1884

Notes on the flora of Parasnath, North-Western Bengal. *Journ. Linn. Soc.* 35 : 245-247.

BIH 84 Srivastava, J.G. 1955

A botanical tour to Parasnath Hillis, Bihar. *Journ. Indian Bot. Soc.* 34 : 196-206, map.

BIH 85 Srivastava, J.G. 1958

See Srivastava, J.G. under Hazaribagh.

Patna (District)

BIH 86 Srivastava, J.G. 1954

Some recently introduced or newly recorded plants from Patna District and its neighbourhood. *Journ. Bombay Nat. Hist. Soc.* 52 (2 & 3) : 659-660.

BIH 87 Srivastava, J.G. 1956

The vegetation of Patna District (Bihar). *Journ. Indian Bot. Soc.* 35 : 391-401.

Pathoragarh (Singhbhum District)

BIH 88 Nandi, S.C. & Mukherjee, P.K. (1980) 1982

Vegetation of the Pathoragarh phosphate mines area, Singhbhum District, Bihar. *Bull. Bot. Surv. India* 22 (1-4) : 63-67. Discussion on occurrence of plants in relation to phosphate.

Purnea (District)

BIH 89 Srivastava, J.G. 1955

Vegetation of Purnea. *Gazetteer of Purnea*.

BIH 90 Srivastava, J.G. 1956

On the recent introduction in the flora of Purnea (Bihar). *Journ. Indian Bot. Soc.* 35 : 308-322.

Rajmahal Hills

BIH 91 McClelland, J. 1848-1849.

See McClelland, J. under Damodar valley.

BIH 92 Panigrahi, G. 1966

A botanical tour in the Rajmahal hills of Bihar. *Bull. Bot. Surv. India* 8 (1) : 1-15. Notes on geology, climate, veg. and enum. 346 spp. Angiosperms, 13 spp. Pteridophytes and 16 spp. mushrooms.

Ranchi (District)

BIH 93 Panigrahi, G. J. 1951

Botany of the Ranchi District, Bihar, India with the local names of plants and the use made of them by the aborigines especially for medicinal purpose. Catholic Press, Ranchi

- BIH 94 Maheshwari, J.K. & Pal, S.R. 1975
The exotic flora of Ranchi. *Journ. Bombay Nat. Hist. Soc.* 72 : 158-188.
- BIH 95 Mooney, H.F. 1945
See Mooney, H.F. under Patna District.
- BIH 96 Sarkar, P.K. & Agarwal, V.S. (1978) 1979
Notes on *Pholidota imbricata* Lindl. (Orchidaceae) and its local use in Ranchi district, Bihar. *Bull. Bot. Surv. India* 29 : 61-63.

Raniganj

- BIH 97 Biswas, K. 1934
The vegetation of the neighbourhood areas of Raniganj & Jharia coal fields. *Trans. Min. & Geol. Inst. India* 29 : 61-63

Santal Parganas

- BIH 98 Haines, H.H. 1910
See Haines, H.H. under Chota Nagpur.

Saranda Division

- BIH 99 Mooney, H.F. 1937
Third revised working plan for the reserved and protected forests of Saranda Division, Bihar (1936-37 to 1955-56), Patna.

Singhbhum

- BIH 100 Mooney, H.F. 1937
A synecological study of the forests of Western Singhbhum. *Indian For. Rec. (N.S.)* 2 (7) : 259-356.
- BIH 101 Pal, D.C. & Srivastava, J.N. (1976) 1979
Preliminary notes on Ethnobotany of Singhbhum District, Bihar. *Bull. Bot. Surv. India* 18 (1-4) : 247-250. List of spp. with different uses.
- BIH 102 Prasad, B.N. 1965
Bamboo plantation in Dhalbhum tract of Singhbhum of Bihar. *Indian Forester* 91 : 10-21.

BIH 103 Srivastava, J.G. 1958

The vegetation of the Singhbhum district. Revised District Gazetteer of Bihar (Singhbhum Dist.), Patna.

Tundi (Hazaribagh Dist.)

BIH 104 Biswas, K. 1935

The vegetation of Tundi and neighbouring areas of Hazaribagh District, Bihar, India. *Trans Min. & Geol. Inst. India* 30 : 59-64.

Udaipur Forest (Champaran District)

BIH 105 Thothathri, K., Shetty, B.V. & Hajra, P.K. (1966) 1967

A contribution to the flora of Udaipur forests in Champaran District, North Bihar. *Bull. Bot. Surv. India* 8 : 131-141.

GENERAL ADDITIONS

BIH 106 Manna, M.K. & Samaddar, U.P. 1984

On the occurrence of useful plants in Netarhat Plateau of Palamau district, Bihar. *Journ. Econ. Tax. Bot.* 5 : 539-546. List of 103 spp. with notes.

BIH 107 Meher-Homji, V.M. 1971

A sketch of the vegetation of the Chhota Nagpur Plateau and its environs. *Journ. Indian. Bot. Soc.* 50 (2) : 162-174.

BIH 108 Mishra, K.K. 1984

Note on occurrence of *Alternanthera philoxeroides* (Mart.) Griseb., in north Bihar. *Journ. Econ. Tax. Bot.* 5 (1) : 225-226.

BIH 109 Mishra, K.K. 1985

New plant record from Bihar. *Journ. Econ. Tax. Bot.* 6 (2) : 410-412. 3 new records, descr.

BIH 110 Paul, S.R. 1984

Vegetation types of Netarhat Bihar. *Journ. Econ. Tax. Bot.* 5 (1) : 65-74.

BIH 111 Singh, L. B. 1983

Grasses of Saharsa district Bihar. *Journ. Econ. Tax. Bot.* 6 (1) : 245-248. List of 52 spp./38 gen.

BIH 112 Tarafdar, C.R. 1984

Ethnognathology in relation to plants. Part III. Plants used to accelerate delivery and in pre & post natal complaints. *Journ. Econ. Tax. Bot.* 5 (3) : 552-576.

BIH 113 Verma, S.K. 1981

Flora of Bhagalpur—Dicotyledons. Today & Tomorrow Printers and Publishers, New Delhi i-ix + 1-414, maps 2, Pl. 33.

DELHI

Delhi (Capital New Delhi) stretches along the western bank of the river Jamuna. The physical area covering about 1497 sq. km. having a length of 53 km. and breadth of 48 km. Due to its remote inland position, Delhi is broadly influenced by extreme heat in summer months and a cold in winter. Mainly the climate is semi-arid nature.

The Territory is divided into 3 administrative units as follows

1. New Delhi Municipal Committee : population 271990.
2. Delhi Cantonment Board : population 90663.
3. Municipal Corporation of Delhi : population 5833761.

Vegetation and Important Floristic Elements

Because of its semi-arid nature of climate the permanent vegetation is xerophytic in character with various xeromorphic features. Some noteworthy representatives are: *Butea monosperma*, *Prosopis spicigera*, *Balanites roxburghii*, *Capparis decidua*, *Zizyphus nummularia*, *Anogeissus pendula*, *Acacia modesta*, *A. arabica*, *Salvadora persica*, *Tecomella undulata*, *Cordia dichotoma*, *Azadirachta indica*, *Dalbergia sissoo*, *Albizia lebeck* etc. The thorny shrubs comprising *Capparis sepiaria*, *Maytenus*

senegalensis, *Mimosa hamata*, *Ailanthoda vasica*, *Flacourtia indica*, *Clerodendrum phlomoides*, *Grewia tenax* etc. Apart from this permanent vegetation, a great variety of seasonal vegetation is noted particularly during the rainy season. Some representatives are: *Tribulus terrestris*, *Euphorbia hirta*, *Trianthema portulacastrum*, *Heliotropium strigosum*, *Cyperus rotundus*, *Desmodium triflorum*, *Polygala erioptera*, *Polygonum plebium*, *Bergia ammanioides*, *Rumex dentatus*, *Phylla nodiflora* etc.

Parks, Botanic Gardens

1. **The Buddha Jayanti Park** : New Delhi, 29.2 ha. including a rock garden 8.3 ha. It has a collection of about 2000 trees and shrubs. The plants include ashok, champa, dhok and pipal which are believed to be associated with the life of Lord Buddha. A number of bulbous plants and hardy annuals are also cultivated.
2. **Indian Institute of Technology Garden** : Hauz Khas, New Delhi, 47.9 ha. The garden includes about 12000 trees and shrubs.

General

DEL 1 Bhat, J.L. & Kumar, S. (1973) 1976

A note on the distribution of *Spergularia rubra* (Linn.) J. & C. Presl (Caryoph.) *Bull. Bot. Surv. India* 15 : 125-126. New rec.

DEL 2 Dakshini, K.M.M., Singh, P. & Maheshwari, J.K. 1973

Distributional records of *Salvia anthemifolia*, *Centipeda minima* and *Merremia emarginata* on and near Delhi. *Curr. Sci.* 42(1) : 396-397.

DEL 3 Maheshwari, J.K. 1983

The Flora of Delhi. New Delhi.

DEL 4 Maheshwari, J.K. 1986

Illustrations to the Flora of Delhi. New Delhi.

- DEL 5 Mukherjee, S.K. 1953
Vegetation of the Delhi 'Ridge'. *Journ. Bombay Nat. Hist. Soc.* 51(2) : 439-465.
- DEL 6 Murty, Y.S. & Nautiyal, K.N. 1976
Salvia anthemifolia (Juss). R. Br., a new record from Delhi and Western Uttar Pradesh. *Journ. Bombay Nat. Hist. Soc.* 73 : 239 (Already reported by Dakshini, K.M.M. et al. 1973).
- DEL 7 Nath, R. 1979
Systematics and morphology of the weed flora of Delhi State-I. *Indian Journ. Agric. Res.* 13(3) : 147-156.
- DEL 8 Parker, R.N. 1918
A Forest Flora of Punjab with Hazara and Delhi. Lahore.
- DEL 9 Rangaswami, N.S. & Chakraborty, B. (1966) 1967
The Leguminosae of Delhi—some studies on their morphology and taxonomy. *Bull. Bot. Surv. India.* 8(1) : 25-41.

GOA (including Daman, Diu, Dadra & Nagar Haveli)

Goa, Daman, Diu are three different land blocks whereas Dadra and Nagar Haveli is a small block situated near the west coast of India. Physiographically the Goa region is situated between the coastal borders of the Karnataka and the Maharashtra, Daman lies on the Gujarat coast, Diu is on the southern fringe of the Kathiawar peninsula, whereas Dadra and Nagar Haveli is surrounded by the states of Gujarat and Maharashtra.

Goa : It is a hilly terrain particularly on its eastern side measuring an area of about 3806 sq. km. The main rivers running westwards and forming network are Mandovi, Zuari, Terekhol, Chapora and Betul. The coastline is about 131 km. long which is more or less dentate with creeks, inlets and rivers deltas. The district Goa comprising 11 administrative taluks namely - Pernem, Picholim, Satari, Bardez, Tiswadi, Salcete, Marmugoa, Ponda, Sanguem, Quepem and Canacona with the district head quarter at Panaji. Population 1,003,141.

Daman : It is a small islet bounded on the east by Gujarat and on the west by Arabian sea. It is distinctly divided into two parts by the river Damanganga. Area 57 sq.-km. The district Daman (Dist. head quarter Daman) having a population 48557.

Diu : It is a tiny islet with narrow sandy shores and rocky creeks and is separated from the Saurashtra peninsula by a narrow channel. Area is about 40 sq.km. The district Diu (head quarter Diu) having a population 30,419.

Dadra and Nagar Haveli : Dadra is a small town along the Daman Vapi-Nagar Haveli road and Nagar Haveli is a wide hilly tract. The area is about 490 sq.km. and can be divided into three units, 1) hilly and valley along the ghat zone, 2) narrow coast with sandy soil and alluvium river bank and 3) the undulating plateau or mainland.

Vegetation and Important Floristic Elements :

The climate of the region is warm and humid with a little variation in temperature over the year. The vegetation can be broadly classified into the following types :

1. Estuarine vegetation along river banks :

This zone is mostly characterised by mangrove plants. Some of the representatives are : *Rhizophora conjugata*, *R. mucronata*, *Bruguiera gymnorhiza*, *Sonneratia caseolaris*, *Lumnitzera racemosa*, *Avicennia officinalis*, *Excoecaria agallocha*, *Derris trifoliata*, *D. scandens*, *Acanthus illicifolius*, *Crotalaria lutescens* etc.

2. Strand and creek vegetation along coastal belt :

The area is mostly rocky with projecting ridges. Some dominant representatives are : *Colophyllum inophyllum*, *Pandanus tectorius*, *Thespesia populnea*, *Caesalpinia crista*, *Scaevola taccada*, *Pongamia pinnata*, *Sesuvium portulacastrum*, *Phyla nodiflora*, *Spintifex littoreus*, *Habenaria grandifloriformis* etc.

3. Plateau vegetation along undulating terrain foot hills :

The major part of the vegetation come under this category where scrub jungles extending upto 200 m and the deciduous forests confined to 200-500 m alt. The scrub jungle is represented by *Holarrhena antidy-senterica*, *Lantana camara*, *Vitex negundo*, *Phyllanthus asperulatus*, *Elephantopus scaber*, *Borreria stricta* etc. The deciduous flora comprising various species of *Dalbergia*, *Phyllanthus*, *Terminalia*, *Wrightia*, *Desmodium*, *Dendrocalamus*, *Bambusa*, *Antidesma*, *Bridelia*, *Albizia*, *Kydia*, *Lagerstroemia* etc.

4. Semi-evergreen and evergreen vegetation along the upper ghats :

In this belt, the moist deciduous forest gradually changes into semi-evergreen with patches of evergreen elements comprising *Michelia champaca*, *Actinodaphne angustifolia*, *Ficus talbotii*, *Sapindus laurifolius*,

Ixora nigricans, *Glochidion hohenackeri*, *Leea edgeworthii*, *Ligustrum perrottetii*, *Glycosmis mauritiana*, *Strychnos colubrina*, *Salacia oblonga*, *Careya arborea*, *Rubia cordifolia*, *Smilax zeylanica* etc. The evergreen forest is represented by *Calophyllum elatum*, *Lophopetalum wightianum*, *Aporosa lindleyana*, *Artocarpus gomeziana*, *Mallotus philippinensis*, *Ficus talbotii*, *Derris bakeri*, *Dracaena terniflora*, *Ruuvolfia serpentina*, *Agrostemma courtallense*, *Drynaria quercifolia*, *Habenaria crinifera*, *Costus speciosus*, *Spilanthus paniculata* etc..

Some Rare, Threatened and Endemic Species

A few representatives of these category are *Ceropegia fantastica*, *Dicraea stylosa*, *Griffithella hookeriana*, *Manisuris goensis*, *Schizoloma heterophyllum*, *Moghania tuberosa*.

The staple crop is paddy and the next important food crop being ragi, millets, pulses etc. The forest area of Goa is 1053 sq.km. and is represented by a number of important economic and timber yielding plants like species of *Terminalia*, *Tectona*, *Dalbergia*, *Lagerstroemia*, *Pongamia pinnata*, *Bridelia retusa*, *Mitragyna parvifolia* etc. The fertilizer plant, sugar factory, textile mill, chemicals are some industries in Goa. There is no large scale industry in Dadra and Nagar Haveli.

Sanctuaries, National Parks

1. Bondla Wild Life Sanctuary :

North Goa, 8 sq. km., tropical wet evergreen forest. Important animal representatives are leopard, blackbear, gaur, sambar, pig.

2. Cotigao Wild Life Sanctuary :

South Goa, 105 sq.km., tropical wet evergreen type forest. Important animal representatives are leopard, gaur, sambar, slender loris, grey jungle fowl, hornbill.

3. Molem Wild Life Sanctuary :

North Goa, 240 sq.km., tropical wet evergreen type forest. Important faunal representatives are tiger, leopard, gaur, sambar, mouse deer, barking deer, slender loris, flying squirrel, grey jungle fowl, hornbill.

General

GOA 1 Bennet, S.S.R. 1974

Occurrence of *Sesamum mulayanum* Nair in Goa forests.
Indian Forester 100 : 691.

- GOA 2 Bennet, S.S.R. & Sahni, K.C. 1977
Scurrula ferruginea (Jacq.) Danser from Western Peninsula of India. *Indian Forester* 103 : 475-476. New rec. from Goa.
- GOA 3 Dalgado, D.G. 1898
Flora de Goa e Savantvadi, Lisbon.
- GOA 4 Govindarajalu, E. 1972
Studies in Cyperaceae-8. Novelties in *Fimbristylis* (L.) Vahl. *Proc. Indian Acad. Sci.* 76B : 181-193. fig. 4. *F. ligulata* from Maharashtra & Goa.
- GOA 5 Garcias, C.F.X. 1912
Flora sagrada da India ou mythologia das plantas indianas. Com sua classificacao, nomenclatura, descricao, propriedades e usos medicinaes, economicos e industriaes e composicao chimica, Margao.
- GOA 6 Kulkarni, B.G. & Singh, N.P. 1973
On the distribution of *Polygala jacobii* Chandr. (Polygalaceae). *Curr. Sci* 42 : 359, fig. 1.
- GOA 7 Nairne, A.K. 1877
List of trees, shrubs and creepers growing in a small jungle close to the Mandeva Bander, at the mouth of the Nagotna River. *Journ. Bombay Nat. Hist. Soc.* 13 : 150-151.
- GOA 8 Rao, R.S. (1970) 1971
Indian Flora. Flora of the erstwhile Portuguese colonies in India—Goa, Daman and Nagarhaveli of western India. *Agra Univ. Journ. Res.* 19 : 69-72.
- GOA 9 Rao, R.S. & Hemadri, K. 1968
A new species of *Manisuris* L. from Goa. *Bull. Bot. Surv. India* 10 : 106-109, fig. 1. *M. goensis*.
- GOA 10 Sahni, K.C. & Bahadur, K.N. 1979
Voacanga grandifolia (Miq) Rolfe (Apocynaceae)—a tree new to the flora of India. *Indian Journ. Forestry* 2 (1) : 33-35. New rec. from N. Goa.

- GOA 11 Sen Gupta, G. 1963
A rare and interesting *Solanum* (*S. hovei* Don) from Western India. *Bull. Bot. Soc. Bengal* 17 : 3-5, pl. 1, fig. 1.
- GOA 12 Singh, N.P. & Deshpande, U.R. 1973
Report of an endemic Ceylonese grass from India. *Indian Forester* 99 : 674-675, fig. 1. *Isachne globosa* (Thunb.) O. Ktze. var. *effusa* (Trim. ex Hook. f.) Sanaratna. Rec. from Goa.
- GOA 13 Singh, N.P., Kulkarni, B.G. & Moorthy, S. 1973
New plant records from Goa. *Curr. Sci.* 42 : 478. 3 spp. notes.
- GOA 14 Souza, J.C.D.E. 1944
Cataloga botanico das plantas de Goa e terras vizinhas. *Bol. Ints. Vasco Gama* No. 60 : 54-186, 1944 ; No. 61 : 69-79, 1944.
- GOA 15 Untawale, A.G., Dwivedi, S.N. & Singhal, S.Y.S. 1973
Ecology of mangroves in Mandovi and Zuari estuaries and inter connecting Cumbarjua canal of Goa. *Indian Journ. mar. Sci.* 2 : 47-53.

GENERAL ADDITIONS

- GOA 16 Rao, R.S. 1985
Flora of Goa, Diu, Daman, Dadra and Nagarhaveli. Flora of India : Series 2. Botanical Survey of India, Calcutta. vol. 1 : i-xxxix + 1-198, photo 9.
- GOA 17 Srivastava, S.N. *et al.* 1985
Survey of Indian plants for saponins alkaloids and flavonoids *V. Journ. Econ. Tax. Bot.* 6 (3) : 637-646. Screening of 233 plants : 64 for alkaloids, 48 for saponins and 93 for flavonoids.
- GOA 18 Vartak, K.P., Kambojkar, M.S. & (Mrs.) Ghate, V.S. 1985
Studies on living hedges from western Maharashtra and Goa. *Journ. Econ. Tax. Bot.* 6 (2) : 275-282. List of 50 spp. ; 20 spp. suitable for field enclosure ; 17 spp. garden enclosure.

GUJARAT

Gujarat (Capital Gandhinagar) the seventh biggest state in India in respect of the area can be divided into three major geographical regions : (i) Saurashtra, the peninsular part, (ii) Kutch or the famous Raon of Kutch (partly filled with tidal sea) on the north east almost barren and rocky and (iii) the mainland -the plain of alluvial soil. The plains are watered by the important and big rivers like Sabarmati, Mahi, Narmda and Tapti and by smaller rivers like Baras, Saraswati and Damanganga.

The state is divided into the following districts :

1. **Jamnagar** : 14125 sq. km.; population 868709 sq. km. Dist. Hq. Jamnagar.
2. **Rajkot** : 11203 sq. km. ; population 119552 ; Dist. Hq. Rajkot
3. **Surendranagar** : 10489 sq. km. ; population 736670 ; Dist. Hq. Surendranagar.
4. **Bhavnagar** : 11155 sq. km. ; population 1251601 ; Dist. Hq. Bhavnagar
5. **Amreli** : 6760 sq. km. ; population 855892 ; Dist. Hq. Amreli.
6. **Junagadh** : 10507 sq. km. ; population 1459202 ; Dist. Hq. Junagadh.
7. **Kutch** : 45652 sq. km. , population 775828 ; Dist. Hq. Bhuj.
8. **Banaskantha** : 12703 sq. km. ; population 1521681 ; Dist. Hq. Palanpur.
9. **Sabarkantha** : 7390 sq. km. ; population 121991 ; Dist. Hq. Himatnagar.
10. **Mahesana** : 9027 sq. km. ; population 2033880 ; Dist. Hq. Mahesana.
11. **Gandhinagar** : 649 sq. km. ; population 225234 ; Dist. Hq. Gandhinagar.
12. **Ahmedabad** : 8707 sq. km. ; population 1092885 Dist. Hq. Ahmedabad.
13. **Kheda** : 7194 sq. km. ; population 2401869 ; Dist. Hq. Kheda.
14. **Vadodara** : 7794 sq. km. ; population 1601393 ; Dist. Hq. Vadodara.
15. **Panchmahal** : 8866 sq. km. ; population 2056587 ; Dist. Hq. Godhra.
16. **Bharuch** : 9038 sq. km. ; population 1054210 ; Dist. Hq. Bharuch.

17. **Surat** : 7657 sq. km. ; population 1426374 ; Dist. Hq. Surat.
18. **Valsad (Bulsar)** : 5244 sq. km. ; population 1383032 ; Dist. Hq. Valsad.
19. **Dangs** : 1764 sq. km. ; population 113996 ; Dist. Hq. Ahwa.

Vegetation and Important Floristic Elements

Due to its varied topography, soil and other physical condition the state has an intensely hot and cold climate. Except in the arid zones of Surendranagar and N. Gujarat, rainfall range between 65 to 127 cm. All these factors govern the growth of a varied type of forests ranging from moist deciduous to desert type. As a whole the state possessing a chamaetherophytic climate. However, the phanerophytes are abundant in Panchmahal, Rajpipla, Dangs, Bulsar Districts whereas the chamaephytes are abundant in Saurashtra and North Gujarat. Mainly the forests of Gujarat can be grouped into :

- (i) **Deciduous forests** : This type is predominant in the districts like Bulsar, Dangs, Surat, Rajpipla, Panchmahal, Sabarkantha, Junagadh, Amreli, Banaskantha districts. Important floristic elements are *Adina cordifolia*, *Butea monosperma*, *Anogeissus latifolia*, *Halarrhena antidysenterica*, *Acacia chundra*, *Tectona grandis*, *Millettia racemosa*, *Diospyros melanoxylon*, *Zizyphus rugosa*, *Wrightia tinctoria* etc.
- (ii) **Scrub forests** : This type is found in the plain areas of Bulsar, Saurashtra and Kutch. Most of the representatives are xerophytic and thorny species dominated by different species of *Acacia*, *Capparis decidua*, *Prosopis cineraria*, *Lantana camara*, *Barleria prinitis*, *Caesalpinia crista*, *Limonia acidissima*.
- (iii) **Mangrove forests** : This type is found in coastal areas of Saurashtra and dominated by *Avicennia marina*, *Rhizophora conjugata*, *R. mucronata*, *Bruguiera gymnorrhiza*, *Aegiceras corniculatum*, *Salvadora persica*, *Suaeda maritima*, *S. nudiflora*, *Artiplex stocksii*, *Cyperus bulbosus*, *Eleusine compressa*, *Leptadenia pyrotechnica*, *Spinifex littoreus*, *Chlorophytum tuberosum*, *Eragrostis tremula* etc.

Some Rare, Threatened and Endemics

It is due to its topography, edaphic and climatic factors a great diversity in forest type is noted in Gujarat flora. These factors at the same time are responsible for the preservation of endemics. It is noted that of the rare taxa noted in Gujarat are mostly restricted to Dangs forest. Some rare taxa are *Paysonia ceratocarpa*, *Sida tiagii*, *Smithia bigemina*, *Vigna khanda-*

lensis, *Commiphora wightii*, *Nervilia discolor*, *Zosimia anethifolia*, *Impatiens kleinitii*, *Canscora concanensis*, *Trichodesma sedgwickianum*, *Tephrosia famnagarensis*, *Indigofera caerulea* var. *monosperma*, *Limnium stocksii*, *Tylophora dalzellii*, *Glossonema varians*, *Convolvulus stocksii*, *Ipomaea kotschyana*, *Ischaemum santapauli*, *Chlorophytum barivilionum*, *Hyphaene dichotoma*, *Dalechampia scandens* var. *cordofana*, *Eulophia ramentacea*, *Cyperus metzii*, *Blumea belangariana*.

The most important food crop in the state is Bajra produce about one-fourth of the country's total output. Other important food crops are wheat, rice, jowar and maize. Among the agricultural products that bring economy for the country are cotton, groundnuts, tobacco of which cotton is cultivated in about 20% of the total area and produce about 35% of the total production in the country. Gujarat is also very rich in minerals. Important minerals are petroleum, limestone, manganese, bauxite, calcites, gypsum, china clay etc. Among the industries, textile plays an important role for the huge cultivation of cotton. Other industries are vegetable oils, chemicals etc.

Sanctuaries, Parks, Tiger Reserves

1. **Gr Lion Wild Life Sanctuary** : Junagadh Dist. ; 1265.01 sq. km. ; tropical dry deciduous type. Important faunal representatives : lion, leopard, striped hyaena, sambar, spotted deer.
2. **Nalsarovar Bird Sanctuary** : Ahmedabad & Surendranagar Dists. ; 115.00 sq. km. ; aquatic flora ; important faunal representatives are flamingo, water fowl (migratory and endemic).
3. **Barda Sanctuary (Alternative Home for Asiatic Lion)** : Jamnagar Dist. ; 192.31 sq. km. ; important animals are Asiatic lion, python.
4. **Marine Wild Life Sanctuary** : Jamnagar Dist. 271.32 sq. km. ; marine flora ; important marine animals—dolphine, sea-turtle, sharks, shelled mollusca.
5. **Khijadiya Bird Sanctuary** : Jamnagar Dist. ; 4.23 sq. km. water-birds.
6. **Hingolghathan Matore Education Wild Life Sanctuary** : Rajkot ; 6.54 sq. km.
7. **Purna Wild Life Sanctuary** : Dangs Dist. ; tropical moist deciduous type ; important animals are tiger, leopard, hyaena, barking deer, spotted deer.
8. **Sloth Bear Wild Life Sanctuary** : Banaskantha Dist. ; 180.66 sq. km. ; tropical dry deciduous type ; important faunal representatives : leopard, sloth bear, spotted deer.

9. **Vansda** : Valsad Dist. ; 24.50 sq. km. ; tropical dry deciduous type ; important animals : leopard, sambar, spotted deer.
10. **Narayan Sarovar Chinkara Wild Life Sanctuary** : Kutch Dist. ; 765.79 sq. km. ; chinkara, nilgai.
11. **Valavadar National Park** : Bhavnagar Dist. : 17.83 sq. km. ; tropical dry deciduous-thorns ; important faunal representation : wolf, blackbuck, four horned antelope, great Indian bustard.
12. **Ratanmahal Bird Sanctuary** : Panchmahal Dist. ; 55.65 sq. km.
13. **Wild Ass Sanctuary** : Surendranagar Dist. : 49.53 sq. km. ; tropical dry thorn ; important faunal representatives : wolf, desert wild ass, flamingo.
14. **Dhunkhal Sloth Bear Wild Life Sanctuary** : Rajpipla and Bharuch Dists. ; 150.87 sq. km. ; important animal sloth bear.

University Gardens

1. **Gujarat University USSC Botanic Garden** : Ahmedabad ; 2.5 ha. ; established in 1964 ; trees, shrubs, green house, fern house and aquatic plant collections.
2. **Botanical Garden (Matibag)** : Gujarat Agricultural University, Junagadh ; 30.3 ha. ; large collection of ornamental plants, nursery.

General

GUJ 1 Agarwal, S.C. 1961

Grassland communities in dry tropical forests. *Indian Forester* 87(5) : 309-315. Veg. types in the forests of A.P., Guj., Karnataka, Madras and Maharashtra.

GUJ 2 Ahuja, K.K. & Pataskar, R.D. 1970

Additions to the flora of Gujarat. *Indian Forester* 96(8) : 620-630. Enum. 4 spp.

GUJ 3 Ansari, M.Y. & Rao, R.S. 1961

Grasslands of the Gujarat State. *Proc. Second Annual Sess Acad. Agri. Sci. Coimbatore* 97 : 100. Ecol.

GUJ 4 Bhatt, R.P. 1971

Notes on *Spergula fallax* (Lowe) E.H.L. Krause and *S. vernalis* Willd. *Journ. Bombay Nat. Hist. Soc.* 68(2) : 492-494. Rec. from N. Gujarat.

- GUJ 5 Bhatt, R.P., Sabnis, S.D. & Bedi, S.J. (1970) 1972
Notes on the genus *Spergula* from Gujarat State, India. *Bull. Bot. Surv. India* 12 : 264-265. Key to 3 spp., descr., phenology.
- GUJ 6 Bhatt, R.R. 1974
Studies on the flora in North Gujarat. 3. Cytology. *Nucleus* 17(1) : 33-39.
- GUJ 7 Chavan, A.R. & Bedi, S.J. 1962
Canscora decussata Roem. & Sch. a new record for Bombay State. *Journ. Bombay Nat. Hist. Soc.* 59(2) 687. Descr, phenology, notes.
- GUJ 8 Chavan, A.R. & Bedi, S.J. (1964) 1965
New plant records from erstwhile Bombay State. *Journ. Bombay Nat. Hist. Soc.* 63(3) : 716-718, pl. 2. 2 spp. descr., distrib. & notes.
- GUJ 9 Chavan, A.R. & Mehta, A.R. 1960
Record of *Heteropogon melanocarpus* Benth. from Gujarat. *Sci. & Cult.* 24 : 411-412.
- GUJ 10 Chavan, A.R. & Oza, G.M. 1960
Cucumis setosus Cogn. a new record for Bombay. *Journ. Bombay Nat. Hist. Soc.* 57 : 699, pl. 1. Descr., phenology, notes.
- GUJ 11 Chavan, A.R. & Oza, G.M. 1961
Momordica denudata Clarke (Cucurbitaceae) and *Trema politoria* Planch. (Ulmac.) : New records for Bombay. *Journ. Bombay Nat. Hist. Soc.* 58(1) : 303-304. Descr., phenology.
- GUJ 12 Chavan, A.R. & Padate, S.N. 1960
Pulicaria crispa Benth. : a new record for Bombay State. *Sci. & Cult.* 25 : 606. Descr., distrib.
- GUJ 13 Chavan, A.R. & Sabnis, S.D. 1959
New record for *Mariscus panicus* Vahl and *Cyperus leucocephalus* Retz. from Gujarat. *Journ. Bombay Nat. Hist. Soc.* 56(2) : 369-370. Distrib., notes.
- GUJ 14 Chavan, A.R. & Sabnis, S.D. 1960
Along the banks of the river Viswamitri (A floristic survey). *Indian Forester* 86 : 469-474. Enum. 151 spp.

- GUJ 15 Chavan, A.R. & Sabins, S.D. 1960
 New plant records from Gujarat. *Journ. Bombay Nat. Hist. Soc.* 57 : 446-447. 2 spp. notes.
- GUJ 16 Chavan, A.R. & Sabins, S.D. & Bedi, S.J. 1962
Dalechampia scandens L. var. *coriifolia* (Hochst.) Muell-Arg. a new record for India. *Curr. Sci.* 31 : 115. fig. 6 Descr., phenology.
- GUJ 17 Chavan, A.R. & Sabins, S.D. & Bedi, S.J. 1963
Desmodium mexicanum A. Gray (Leguminosae) from India. *Kew Bull.* 17 : 265. New rec., descr., distrib.
- GUJ 18 Chavan, A.R. & Sabins, S.D. & Bedi, S.J. 1965
Melhania hamiltoniana Wall. a new record for Bombay State. *Journ. Bombay Nat. Hist. Soc.* 62 : 179-180. Descr., Phenology, notes.
- GUJ 19 Chohan, J.G. & Shah, G.L. 1965
 On the occurrence of *Plantago psyllium* Linn. in Gujarat. *Journ. Bombay Nat. Hist. Soc.* 62(2) : 327-329. fig. 4.
- GUJ 20 Chohan, J.G., Shah, G.L. & Deshpande, M.B. 1967
Elatine ambigua Wt. a new record for erstwhile Bombay State. *Journ. Bombay Nat. Hist. Soc.* 64(1) : 135-136. Pl. 1. descr.
- GUJ 21 Daniel, M., Sabins S.D. & Prathapasenan, G. 1980
 A phytochemical survey of the plants of the forests in Gujarat for alkaloids, saponins and tannins. *Indian Journ. Forestry* 3(3) : 238-248. Analysis of 150 spp.
- GUJ 22 Deshpande, U.R. 1961
Premna resinosa Schau (Verbenaceae) an addition to Indian Flora. *Curr. Sci.* 30 : 21-22, fig. 3, Descr.
- GUJ 23 Deshpande, U.R. & Shah, G.L. (1968) 1969
 A new species of *Fuirena* from Gujarat, India. *Bull. Bot. Surv. India* 10 : 239-240, fig. 4. *F. tuwensis*.
- GUJ 24 Inamdar, J.A. 1968
 New records for Gujarat State. *Indian Forester* 94 : 552. Rec. 2 spp.

- GUJ 25 Maheshwari, J.K. 1973
Nonogonon burr (Xanthium pungens) in India. *Curr. Sci.* 42 : 327-328. Descr., synonymy, distr., notes.
- GUJ 26 Naik, V.N. (1973) 1976
Arundinella ciliata (Roxb.) Nees ex Miq. a new record for erstwhile Bombay State. *Bull. Bot. Surv. India* 15 : 131-132, fig. 6, synonymy, descr.
- GUJ 27 Naithani, H.B. & Rajzada, M.B. 1977
 New record of some Cyperaceae taxa in India. *Indian Forester* 103 : 411-424, tab. 8. *Fimbristylis sibhariana* Kunth new rec. for S. India. *Cyperus pulchellus* R. Br. from Gujarat and superfluous record of *Fimbristylis velata* R. Br. from Karnataka.
- GUJ 28 Oza, G.M. 1974
 The weeds of the cultivated fields of Gujarat State. *Ann. Arid Zone* 13 : 196-201, tab. 1. Enum.
- GUJ 29 Padate, S.N. (1968-69) 1971
 Contribution to the flora of Salvi taluk, Gujarat State. *J.M.S. Univ. Baroda* 17-18 : 101-112.
- GUJ 30 Parabia, M.H. & Shah, G.L. (1975) 1976
 Notes on some interesting Cyperaceae of Gujarat. *Journ. Bombay Nat. Hist. Soc.* 72(3) : 886-888.
- GUJ 31 Patel, R.I. 1965
 Grasses of Gujarat State. *Indian Forester* 91(5) : 309-340, tab. 1. Enum. 203 spp., phenology, local names, notes.
- GUJ 32 Patel, R.J. 1971
Forest Flora of Gujarat State. For. Dept. Gujarat State, Baroda. ii + 381 pp., tab. 3.
- GUJ 33 Patel, R.J. 1974
 Observation on variations in the number of stamens in two *Cassia* spp. from Gujarat. *Geobios* 1 : 108-109. Abnormality.
- GUJ 34 Patel, M.L. & Patel, G.B. 1928
 Studies in the Jowars of Gujarat. *Mem. Dept. Agric. India Bot.* 16 : 1-57, tt. 6.
- GUJ 35 Qureshi, I.M. 1957
 Botanical silvicultural features of Mangrove forests of Bombay State. *Symp. Mangrove For. Calcutta.* 59-64. Floristics.

- GUJ 36 Raghavan, R.S., Wadhwa, B.M., Ansari, M.Y. & Rao, R.S. 1981
A check list of plants of Gujarat. *Rec. Bot. Surv. India* 21(2) : 1-127.
- GUJ 37 Raizada, M.B. & Jain, S.K. 1961
First record of the genus *Dignathia* from India. *Indian Forester* 87 : 426-428, f. 8. *D. hirtella* Stapf.
- GUJ 38 Rao, R.S. 1965
Hyphaene indica Becc. along the west coast of India. *Journ. Bombay Nat. Hist. Soc.* 60(3) : 761-763.
- GUJ 39 Sabins, S.D. (1962) 1963
Cyperaceae of Gujarat. *Bull. Bot. Surv. India* 4(1-4) : 193-197. 64 spp. Key to the genera, descr., ecol., notes.
- GUJ 40 Sabins, S.D. (1962) 1963
A key to the identification of the Cyperaceae of Gujarat. *Bull. Bot. Surv. India* 4(1-4) : 199-201, fig. 14. Key to 65 spp.
- GUJ 41 Sabins, S.D. & Bedi, S.J. 1971
The genus *Fuirena* (Cyperaceae) in Gujarat. *Journ. Bombay Nat. Hist. Soc.* 68 : 857-858, pl. 1. Key to 2 spp., additional characters for *F. tuwensis*, notes.
- GUJ 42 Sabnis, S.D. & Bhatt, R.P. (1970) 1972
A new species of *Solanum* Linn. from Gujarat, India. *Bull. Bot. Surv. India* 12(1-4) : 258-260, pl. 1. *S. purpureilineatum* sp. nov.
- GUJ 43 Sabnis, S.D. & Joshi, J.V. (1979) 1980
Notes on two interesting sedges from Gujarat State. *Journ. Bombay Nat. Hist. Soc.* 76(1) : 210-211. New rec. of *Lipocarpus argentea* R. Br. & *Rhynchospora glauca* Vahl.
- GUJ 44 Sahni, K.C. & Naithani, H.B. 1975
A note on the occurrence of *Solanum hovei* Dunal in India. *Indian Forester* 101 : 580-583, fig. 1.
- GUJ 45 Sahni, K.C. & Naithani, H.B. 1975
A new species of Cyperaceae from India. *Indian Forester* 102 : 357-359, pl. 1. *C. dwarkensis*.

- GUJ 46 Sanjappa, M. & Bhatt, R.P. 1978
Alysicarpus ovalifolius (Schumach.) J. Leonard-a new record for India. *Journ. Bombay Nat. Hist. Soc.* 75(1) : 254-255.
- GUJ 47 Santapau, H. 1945
New plant record for Bombay Presidency. *Journ. Bombay Nat. Hist. Soc.* 45(3) : 445-448.
- GUJ 48 Santapau, H. 1946
New plant record for the Bombay Presidency. *Journ. Bombay Nat. Hist. Soc.* 46(2) : 377-381.
- GUJ 49 Santapau, H. 1947
Notes on the Convolvulaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 47(2) : 337-355.
- GUJ 50 Santapau, H. 1948
Notes on the Solanaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 47(4) : 652-662.
- GUJ 51 Santapau, H. 1949
Novitates Bombajenses. *Kew Bull.* 1948 : 485-492.
- GUJ 52 Santapau, H. 1949
Artificial key to the Papilionaceae of Bombay Province. *Journ. Bombay Nat. Hist. Soc.* 48(2) : 277-282.
- GUJ 53 Santapau, H. 1949
Notes on the Gesneriaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 48(3) : 489-492.
- GUJ 54 Santapau, H. 1950
Notes on the Scrophulariaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 49(1) : 25-49.
- GUJ 55 Santapau, H. 1950
Notes on the Lentibulariaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 49(2) : 217-221.
- GUJ 56 Santapau, H. 1951-1954
Critical notes on the identity and nomenclature of some Bombay plants. *Journ. Bombay Nat. Hist. Soc.* 50(2) : 305-312 ; 51(4) : 801-804 ; 52(1) : 137-141.

- GUJ 57 Santapau, H. 1953
Notes on the Acanthaceae of Bombay. *Journ. Bombay Nat. Hist. Soc.* 51 (2) : 349-368.
- GUJ 58 Santapau, H. 1953
The species of *Crotalaria* in Bombay. *Journ. Bombay Nat. Hist. Soc.* 51 (4) : 960-962.
- GUJ 59 Santapau, H. 1954
The genus *Murdannia* in Bombay—further corrections. *Journ. Bombay Nat. Hist. Soc.* 52 (2-3) : 658.
- GUJ 60 Santapau, H. 1955
New plant records for Bombay-IV. *Journ. Bombay Nat. Hist. Soc.* 53 (2) : 214-216.
- GUJ 61 Santapau, H. 1957
Vegetation types in Western India. *Journ. Indian Bot. Soc.* 36 : 601-602.
- GUJ 62 Santapau, H. & Muchant, Y. 1961
Critical notes on the Rubiaceae of Bombay. *Bull. Bot. Surv. India* 3(2) : 107-110.
- GUJ 63 Santapau, H. & Patel, V. 1957
The genus *Cuscuta* in Bombay. *Journ. Bombay Nat. Hist. Soc.* 54(3) : 707-713.
- GUJ 64 Santapau, H. & Saldanha, C.J. 1955-1958.
New plant records for Bombay-III. *Journ. Bombay Nat. Hist. Soc.* 53 (2) : 210-213, 214-216 ; 55 (3) : 481-485.
- GUJ 65 Santapau, H. & Shah, G.L. 1961
New plant record for Bombay : *Alternanthera pungens* H.B.K. *Journ. Bombay Nat. Hist. Soc.* 58 (2) : 551-553.
- GUJ 66 Saxton, W.T. 1922
Additional notes on plants of northern Gujarat. *Rec. Bot. Surv. India* (93) : 252-262.
- GUJ 67 Saxton, W.T. 1924
Phases of vegetation under monsoon conditions. *Journ. Ecol.* 12 : 1-38.

- GUJ 68 Saxton, W.T. & Sedgwick, L.J. 1918
Plants of Northern Gujarat. *Rec. Bot. Surv. India* 6 : 207-323, i-xiii, map.
- GUJ 69 Sedgwick, L.J. 1918
The Cyperaceae of Bombay Presidency. *Journ. Bombay Nat. Hist. Soc.* 25 (4) : 682-700 ; 26 (1) : 192-209.
- GUJ 70 Sedgwick, L.J. 1918
Eleocharis congesta Don, in the Bombay Presidency. *Journ. Bombay Nat. Hist. Soc.* 26 : 312. New rec.
- GUJ 71 Sen Gupta, G. 1963
A rare and interesting *Solanum* (*S. hovei* Don) from western India. *Bull. Bot. Soc. Bengal* 17 : 3-5, pl. 1, fig. 1, from Gujarat, Goa and Maharashtra.
- GUJ 72 Sen Gupta, G. 1963
Solanum arundo Mattei, a new record for India. *Indian Forester* 89 : 481-482, fig. 2. From Gujarat, descr., distrib.
- GUJ 73 Shah, C.K. 1963
Cyperus papyrus L. - a new record for India. *Curr. Sci.* 32 : 424-425, fig. 2.
- GUJ 74 Shah, C.K. 1965
Materials for the flora of Gujarat. *Prakiti—Journ. Gujarat Nat. Hist. Soc.* 12 : 32-44.
- GUJ 75 Shah, C.K. (1970) 1971
A note on the toad rush, *Juncus bufonius* L. from Western India. *Journ. Bombay Nat. Hist. Soc.* 67 : 608-609, fig. 4.
- GUJ 76 Shah, G.L. 1962
Name changes of some common plants. *Journ. Univ. Bombay* 30 : 32-41.
- GUJ 77 Shah, G.L. 1962
Nomenclatural notes on some Bombay plants. *Journ. Bombay Nat. Hist. Soc.* 59 (1) : 320-322. 6 spp.
- GUJ 78 Shah, G.L. 1963
Nomenclatural notes on some Bombay plants. *Journ. Bombay Nat. Hist. Soc.* 60 (1) : 296-298. 11 spp.

- GUJ 79 Shah, G.L. 1963
Notes on some Bombay plants. *Journ. Bombay Nat. Hist. Soc.* 60 (2) : 481-484.
- GUJ 80 Shah, G.L. 1964
A note on some rare plants of Bombay. *Journ. Soc. Indian For.* 4 : 78-80, fig.2.
- GUJ 81 Shah, G.L. 1966
Additions to the flora of Gujarat. *Journ. Bombay Nat. Hist. Soc.* 63 (3) : 778.
- GUJ 82 Shah, G.L. 1969
Nomenclatural changes in some Bombay plants-3. *Journ. Bombay Nat. Hist. Soc.* 66 : 231-233, 9 spp.
- GUJ 83 Shah, G.L. 1970
Additions to the flora of Gujarat—new localities for the plants -nomenclatural changes. *Vidya* 13 : 128-138.
- GUJ 84 Shah, G.L. 1978
The flora of Gujarat State. Sardar Patel University Publication, Vallabh Vidyanagr.
- GUJ 85 Shah, G.L. & Deshpande, M.B. (1967) 1968
New plant records for Bombay. *Journ. Bombay Nat. Hist. Soc.* 64 (3) : 587-588. 2 spp. Synonymy, phenology, distrib.
- GUJ 86 Shah, G.L. & Inamdar, J.A. 1966
Further contribution to the flora of Gujarat State. *Vidya* 9 : 217-277.
- GUJ 87 Shah, G.L. & Inamdar, J.A. 1968
Addition to the flora of Gujarat. *Vidya* 11 : 119-122.
- GUJ 88 Shah, G.L. & Menon, A.R. (1977) 1979
A sketch of the flora of Gujarat. *Bull. Bot. Surv. India* 19 (1-4) : 67-70. Discussion.

GUJ 89 Shah, G.L. & Panthaki, D.P. 1960

Rhynchosia sericea Span., a new record for Bombay State (Legum.). *Journ. Bombay Nat. Hist. Soc.* 57 (2) : 440-441. Descr., phenology, notes ; syn. of *R. rothii* Benth. ex Aitchison.

GUJ 90 Shah, G.L. & Parabia, M.H. 1973

On the occurrence of *Artemisia scoparia* Waldst. & Kit. in Gujarat. *Sci & Cult.* 39 : 276-277. Descr., notes.

GUJ 91 Shah, G.L., Parabia, M.H. & Bhatt, R.G. 1974

Some interesting rare Cyperaceae of Gujarat as new records for the erstwhile Bombay Presidency. *Indian Forester* 100 : 121-122. *Elaeocharis congesta* D. Don., & *Scirpus jacobii* Fischer. Descr., notes.

GUJ 92 Shah, G.L. & Patel, A.I. 1971

Some noteworthy rare plants of Gujarat. *Indian Forester* 97 : 636-637. 6 spp. synonyms, notes, descr., phenology, new localities.

GUJ 93 Shah, G.L. & Patel, R.J. (1966) 1967

Observations on some of the common plants of Gujarat. *Bull. Bot. Surv. India* 8 : 198-200, fig. 13. Notes on 3 spp.

GUJ 94 Shah, G.L., Patel, R.J. & Patel, M.H. 1968

Addition to the flora of Bombay. *Journ. Bombay Nat. Hist. Soc.* 65 : 260-262. 3 spp. synonymy, descr., distrib., critical notes.

GUJ 95 Shah, G.L. & Suryanarayana, B. 1966

Additions to the flora of Gujarat. *Journ. Bombay Nat. Hist. Soc.* 63 : 778. 2 spp. descr., notes, phenology.

GUJ 96 Shah, G.L. & Suryanarayana, B. 1968

On the occurrence of *Eriolaena stocksii* Hk. f. & Th. from Gujarat. *Indian Forester* 94 : 894-896, fig. 2. Descr. of fruits.

GUJ 97 Shah, G.L. Yadav, S.S. & Menon, A.R. (1981) 1983

Biological spectrum of the flora of Gujarat State. *Bull. Bot. Surv. India* 23 (1-2) : 25-29. Observation, discussion and bibliography.

GUJ 98 Shah, G.L. & Yogi, D.V. 1972

Nomenclatural changes in some Bombay plants-4. *Journ Bombay Nat. Hist. Soc.* 69 : 444-449. 23 spp.

GUJ 99 Shah, G.L. & Yogi, D.V. 1973

Critical notes on some interesting plants of Gujarat. *Vidya* 16 : 10-20. New rec. 7 spp.

GUJ 100 Shah, J.J. 1959

A note on a species of *Cissus*. *Journ. Bombay Nat. Hist. Soc.* 55 : 591, fig. 5. *C. edulis* Dalz.

GUJ 101 Sundara Raghavan, R. & Wachwa, B.M. 1968

On the identity of *Tephrosia jamnagarensis* Sant. and *T. axillaris* A.R. Smith from Gujarat. *Curr. Sci.* 37 : 536. Latter is a synonym of the former.

GUJ 102 Thaker, D.N. 1971

A note on the occurrence of *Mecardonia dianthera* (Sw.) Pennell (Scrophulariaceae) in Gujarat State. *Indian Forester* 97 : 71-72. distrib., notes.

GUJ 103 Thaker, D.N. & Sabins, S.D. 1972

Occurrence of *Cochlearia cochlearioides* (Roth.) Sant. & Mah. and *Campanula benthamii* Wall. ex Kitamura in Gujarat State, India. *Journ. Bombay Nat. Hist. Soc.* 69 : 227-229. (See Shah, G.L. & Patel, A.I. in *Indian Forester* 97 : 636-637, 1971).

GUJ 104 Vyas, K.J. 1974

Some interesting rare plants from south Gujarat showing new range of distribution in Gujarat State. *Biologica* 7 : 51-58.

GUJ 105 Vyas, K.J. & Shah, G.L. 1972

Some interesting plants of Gujarat State. *Journ. Bombay Nat. Hist. Soc.* 69 (3) : 684-686. New rec. 8 spp., notes.

Ahmedabad (District)

GUJ 106 Gandhi, H.P. 1958

A list of flowering plants, (Angiosperms) of Ahmedabad and its immediate vicinity. *Vidya (Journ. Gujarat Univ.)* 2 : 114-156.

GUJ 107 Sedgwick, L.J. 1914

A list of grasses from Ahmedabad and Surat. *Journ. Bombay Nat. Hist. Soc.* 53 (1) : 110-117.

GUJ 108 Shah, G.L. & Yogi, D.V. 1974

Additions to the flora of North Gujarat (Ahmedabad-Meshana--Sabarkantha Districts). *Journ. Bombay Nat. Hist. Soc.* 71 (1) : 58-63. Enum. 187 spp.

GUJ 109 Vidya, B.S. 1967

Flora of Ahmedabad. pp. iv+86. Botany Dept. University School of Science, Ahmedabad-9. Enum. 517 spp.

GUT 110 Vidya, B.S. & Vora, A.B. 1963

Some new records of angiosperms for Ahmedabad. *Vidya (Journ. Gujarat Univ.)* 7 : 195-196.

Ambaji Town

GUJ 111 Bedi, J.S. & Madala, R.K. 1981

A new variety of *Cometes surattensis* (Ullucoaceae) from N. Gujarat. *Indian Journ. Forestry* 4 (4) : 327-328, fig. 1. *C. surattensis* Burm. var. *ambajiensis* Bedi et Madala.

Baroda

GUJ 112 Chavan, A.R. 1958

Record of *Anagallis arvensis* L. from Baroda. *Sci. & Cult.* 24 : 186-187. Notes.

GUJ 113 Chavan, A.R. & Mehta, A.R. 1958

Studies on the grasses of Gujarat-2. Grasses of Baroda and its environs. *J.M.S. Univ. Baroda* 7 : 67-83, map 1. Enum. 87 spp., notes.

GUJ 114 Chavan, A.R. & Sabins, S.D. 1958

The Cyperaceae of Gujarat part-1. The sedges of Baroda and its environs *J.M.S. Univ. Baroda* 7 : 57-60, map 1, tab. 1. Enum. 32 spp., ecol., notes.

GUJ 115 Chavan, A.R. & Sabins, S.D. 1959

Record of *Cryptostegia madagascariensis* Boj. from Baroda. *Journ. Bombay Nat. Hist. Soc.* 56 (3) : 675. Notes.

GUJ 116 Chavan, A.R. & Sabins, S.D. 1961

A study of the Hydrophytes of Baroda and environs. *Journ. Indian Bot. Soc.* 40 : 121-130, map 1., tab. 1. Enum. 58 spp., discussion.

GUJ 117 Oza, G.M. (1962) 1963

Lawn weeds of Baroda. *Bull. Bot. Soc. Bengal* 16 : 30-34. Enum. 39 spp., key, notes.

GUJ 118 Patil, S.N. & Sabins, S.D. 1982

New plants from urban environment of Baroda, Gujarat. *Journ. Bombay Nat. Hist. Soc.* 79 (i) : 117-119. New records of 9 plants, pl. 1.

GUJ 119 Phatak, V.V. & Satakopan, S. 1957

Plant types of the pond of the plains around Baroda-1. Pond vegetation at Harni. *J.M.S. Univ. Baroda* 6 : 11-48.

GUJ 120 Shah, G.L. 1962

Mollugo nudicaulis Lamk. : a new record from Baroda. *Journ. Bombay Nat. Hist. Soc.* 59 (i) : 319-320. Descr., synonymy and differentiating key to *M. nudicaulis* & *M. pentaphylla* (c.f. Bedi, S.J. & Sabins, S.D. in *Indian Forester* 96 : 279, 1970).

GUJ 121 Shah, G.L. 1963

Further contribution to the vegetation of Baroda. *Indian Forester* 89 (4) : 286-290. Enum. 157 spp., discussion.

Beyt Island

GUJ 122 Rao, T.A. & Aggarwal, K.R. 1966

see under Saurashtra.

Bhavnagar

GUJ 123 Murthy, M.H.S. 1957

The vegetation of Bhavnagar and its biological spectrum. *Vidya* 1 : 42-46.

GUJ 124 Rao, T.A. & Mukherjee, A.K. (1967) 1968

Ecological studies of the Saurashtra coast and neighbouring islands-V. Jafarabad to Bhavnagar coastal area. *Bull. Bot.*

Surv. India 9 (1-4) : 79-84. Enum., ecological account of plant communities, habitat etc.

Broach

GUJ 125 Shah, G.L. 1964

Enumeration of plants from Broach, Gujarat, 300 km. N. of Bombay. Vegetation of river bed. *Journ. Bombay Nat. Hist. Soc.* 61 : 254-263.

GUJ 126 Shah, G.L. 1964

Enumeration of plants from Broach-2. *J. Gujarat Univ.* 7 : 167-180.

Bulsar (District)

GUJ 127 Inamdar, J.A. 1968

A study of hydrophytes and marsh plants of Tiskari in the Bulsar District, Gujarat State. *Vidya* 11 : 160-168.

GUJ 128 Inamdar, J.A. & Patel, R.M. 1971

A preliminary floristic survey of Bulsar-Tithal-Dungri area in Gujarat State. *Indian Forester* 97 : 322-330. Enum. 538 spp.

Chhota Udepur

GUJ 129 Shah, G.L., Yadav, S.S. & Parabha, M.H. 1978

Phytosociological studies on the vegetation of Chhotaudepur Forest Division, Eastern Gujarat. *Indian Journ. Forestry* 1 (4) : 312-318. Discuss., map. 1, tab. 2

GUJ 130 Thaker, D.N., Sabins, S.D. & Bedi, S.J. (1968) 1971

A contribution to the flora and vegetation of Chhotaudepur Range, Gujarat State, India. *J.M.S. Univ. Baroda* 17-18 (3) : 83-100.

Dangs

GUJ 131 Chavan, A.R. & Oza, G.M. 1966

Contribution to the flora of the Dangs forest in Gujarat. *Indian Forester* 92 (8) 533-535. Enum. 27 spp., notes.

GUJ 132 Chavan, A.R. & Sabins, S.D. 1967

Cyperaceae of Dangs forests, Gujarat State. *Indian Forester* 93 (3) : 190-193. Enum. 34 spp., notes.

GUJ 133 Jain, S.K. (1963) 1964

The vegetation of Dangs district in Gujarat. *Bull. Bot. Surv. India* 5 (3 & 4) : 351-363, tab. 1. List of 133 spp., veg. study by quadrates at different sites, local names.

GUJ 134 Kuruvilla, K. 1967

Ecology of Dangs forest (Gujarat)-I. Phytosociology of the forests in Ahwa Block. *Indian Forester* 93 (10) : 720-733.

GUJ 135 Santapau, H. 1954

Contributions to the botany of Dangs Forest, Bombay State. *Journ. Gujarat Res. Soc.* 16 : 285-320. 1954.

GUJ 136 Santapau, H. 1955

Contribution to the botany of Dangs Forest, Bombay State (Part II). *Journ. Gujarat Res. Soc.* 17 : 1-59.

GUJ 137 Santapau, H. 1956

Contribution to the botany of Dangs Forest (Bombay State). *Journ. Gujarat Res. Soc.* pp. 1-2, 1-95.

GUJ 138 Santapau, H. 1956

Extensive loss of water by forest trees in the Dangs forest. *Journ. Bombay Nat. Hist. Soc.* 53 (3) : 501.

GUJ 139 Santapau, H. & Panthaki, D.P. 1956

Some new plants for the Dangs Forest, Bombay State. *Journ. Bombay Nat. Hist. Soc.* 54 (1) 221-225.

GUJ 140 Santapau, H. & Shah, G.L. 1965

Further contributions to the botany of Dangs Forest, Gujarat. *Journ. Bombay Nat. Hist. Soc.* 62 : 201-210. Enum. 91 spp., notes.

GUJ 141 Shah, G.L. & Gopal, G.V. 1892

An ethnobotanical profile of the Dangies. *Journ. Econ. Tax. Bot.* 3 (2) : 355-364. Enum. 145 spp. with notes on medicinal and other uses.

GUJ 142 Shah, G.L. & Suryanarayana, B. 1967

Additions to the flora of Dangs forest, Gujarat. *Journ. Bombay Nat. Hist. Soc.* 64 (1) : 136-138, pl. 1. Enum. 20 spp., distrib., notes.

GUJ 143 Shah, G.L. & Suryanarayana, B. 1969

New plant records for Bombay collected from Dangs' forest, Gujarat. *Journ. Bombay Nat. Hist. Soc.* 66 (2) 412-414. 4 spp. descr., distrib., notes.

GUJ 144 Shah, G.L. & Yadav, S.S. 1979

A contribution to the flora of Dangs Forest in Gujarat : Floristic composition, floristic elements and biological spectrum. *Indian Journ. Forestry* 2 (1) : 13-19. Fig. 3 ; tab. 1.

GUJ 145 Yadav, S.S. & Shah, G.L. 1982

Phytosociological studies on the vegetation of Dangs forest in South Gujarat : an ordination study of fourteen localities. *Indian Journ. Forestry* 5 (4) : 281-286.

Devgadh Hills

GUJ 146 Chavan, A.R., Bedi, S J. & Sabins, S.D. 1963

On useful plants of Devgadh hills, Gujarat State. *Bull. Bot. Soc. Coll. Sci. Nagpur* 4 : 25-32.

Dharampur

GUJ 147 Inanadar, J.A. (1968) 1969

A preliminary survey of the flora of Dharampur forests in Gujarat. *Bull. Bot. Surv. India* 10(2) : 126-132. Enum. 421 spp., 340 spp., dicot. & 81 spp. monocot.

Diu Island

GUJ 148 Rao, T.A. & Aggarwal, K.R. (1964) 1965

See under Saurashtra.

Dungri

GUJ 149 Inamdar, J.A. & Patel, R.M. 1971

See Inamdar, J.A. & Patel, R.M. under Bulsar.

Dwarka

GUJ 150 Borgesen, F. 1929

Notes on the vegetation at Dwarka on the west coast of India with reference to Raunkiaer's "Life-forms" and statistical methods. *Journ. Indian Bot. Soc.* 8 : 1-18, tt. 1-3.

Gir Forest

GUJ 151 Santapau, H. 1957

Contribution to the Flora of the Gir Forest in Saurashtra. *Indian For. Rec. (N.S.) Bot.* 4(6) : 105-170, t. 1, maps 2.

GUJ 152 Santapau, H. & Raizada, M.B. 1954

Contributions to the flora of the Gir Forest in Saurashtra. *Indian Forester* 80 : 379-389. t. 4.

Jafarabad

GUJ 153 Rao, T.A. & Mukherjee, A.K. (1967) 1968

See under Bhavnagar.

Jamnagar (Dist.)

GUJ 154 Ahluwalia, K.S. 1964 & 1965

Medicinal plants of Jamnagar 1 & 2. *Nagarjun* 73-78, 461-477.

GUJ 155 Malhotra, S.K. & Wadhwa, B.M. (1973) 1974

Studies on the botany of Jamnagar District (Gujarat). *Maharashtra V.M. Patrika* 8(2) : 3-23. Enum. 784 spp., veg. study.

Jnagadh

GUJ 156 Deb, D.B. & Das Gupta, Shyamali (1975) 1976

New taxa of the genus *Dipcadi* Medik. (Liliaceae). *Journ. Bombay Nat. Hist. Soc.* 72(3) : 822-824, pl. 2. *D. ursulae* Blatt. var. *longiracemosae* Deb et Das Gupta.

GUJ 157 Kapadia, G.A. 1945

Notes on some grasses from Junagadh. *Journ. Bombay Nat. Hist. Soc.* 45(2) : 259-262.

GUJ 158 Kapadia, G.A. 1952

Strabilanthes callosus Nees, at Junagadh and Saurashtra. *Journ. Bombay Nat. Hist. Soc.* 49(2) : 321-322.

GUJ 159 Kapadia, G.A. 1951

Forest Wealth of Gir and Girnar in Junagadh District of Saurashtra. *Indian Forester* 77 : 771-774.

GUJ 160 Pandey, S.P. 1948

Report on Junagadh Forests. Junagadh.

Kaprada Forest

GUJ 161 More, P.G., Vora, H.M. & Inamdar, J.A. 1976

Flora of Kaprada forest range in south Gujarat. *Geobios* 3 : 47-53, tab. 1. Enum.

GUJ 162 Bharucha, F.R. 1952

Plant ecological research on the arid and semi-arid regions of Afghanistan, India and Pakistan. UNESCO, *Arid Zone Programme* 84 : 1-42. Floristics of Kutch, Kathiawar & Deccan.

GUJ 163 Chavan, A.R., Sabins, S.D. & Bedi, S.J. 1962

See under Kutch.

Kathiawar

GUJ 164 Santapau, H. 1950

Iter kathiawarensis being notes on a botanical tour in Nawanagar State, Oct-Nov. 1945. *Journ. Gujarat Res. Soc.* 11(4) : & 12(1) : 226-237, tt. 1-4.

GUJ 165 Thaker, J.I. 1910

Botany. A complete and comprehensive Account of the Flora of Baroda Mountain (Kathiawad), Bombay.

Kawant

GUJ 166 Thaker, D.N., Sabins, S.D. & Bedi, S.J. (1970) 1972

A contribution to the flora and vegetation of Kawant range, Gujarat State, India. *Bull. Bot. Surv. India* 12(1-4) : 113-127. Enum. 552 spp. addition of 83 spp. to Santapau and Janardhanan's "The Flora of Saurashtra-a check list (1967).

Khedbrahma

GUJ 167 Bhatt, R.P. & Sabins, S.D. 1972

Further contribution to the flora and vegetation of Khedbrahma region of North Gujarat. *J.M.S. Univ. Baroda*-21 : 7-34.

GUJ 168 Bhatt, R.P. & Sabins, S.D. 1975

The forest vegetation and phytogeography of Khedbrahma region in North Gujarat. *Botanique* 6 : 37-48, tab. 1, map 1.

GUJ 169 Bhatt, R.P., Sabins, S.D. & Bedi, S.J. (1969) 1972

A contribution to the study of the vegetation and flora of Khedbrahma region of North Gujarat. *Bull. Bot. Surv. India* 11 : 311-321. Enum. 554 spp. 2 new rec. for India ; 5 new rec. for former Bombay Presidency.

GUJ 170 Shah, G.L. & Yogi, D.V. (1971) 1974

Some more plants from Khedbrahma region, North Gujarat. *Bull. Bot. Surv. India* 13 : 282-284. Enum. 49 spp., 2 new rec., phenology, notes.

Kutch

GUJ 171 Bhandari, M.M. 1965

A note on the identification of some unrecorded desert plants from Kutch. *Journ. Bombay Nat. Hist. Soc.* 62(2) : 332-335. *Tephrosia uniflora* Gillet, new rec. for India, note on *Dactyloctenium aegyptium* L. f.

GUJ 172 Bharucha, F.R. 1952

Plant ecological research on the arid and semi-arid regions of Afghanistan, India and Pakistan. UNESCO *Arid Zone Programme* 84 : 1-42. Floristics of Kutch, Kathiawar & Deccan.

- GUJ 173 Blatter, E. 1908-1909
On the flora of Cutch. *Journ. Bombay Nat. Hist. Soc.* 18(4) : 756-777. 1908 ; 19(1) : 157-176. 1909.
- GUJ 174 Chavan, A.R., Sabins, S.D. & Bedi, S.J. 1962
On the identity of *Dalechampia indica* Wt. from Cutch and Kathiawar. *Journ. Bombay Nat. Hist. Soc.* 59 : 324-325.
- GUJ 175 Gupta, R. 1974
Wild occurring senna (*Cassia angustifolia* Vahl) from Kutch, Gujarat. *Curr. Sci.* 43 : 89. Distrib.
- GUJ 176 Gupta, R.S. 1965
Vegetation of Kutch and neighbourhood. *Trop. Ecol.* 6 : 63-71.
- GUJ 177 Gupta, R.S. 1966
A study of Hydrophytes and Marshland plants of Kutch and Environs (India). *Curr. Sci.* 7 : 153-163.
- GUJ 178 Jain, S.K. (1960) 1961
A note on *Juncus maritimus* Lamk. from India. *Bull. Bot. Surv. India* 2(3 & 4) : 307-308. fig. 1. Descr., notes.
- GUJ 179 Jain, S.K. 1968
The vegetation and succession of plant communities in Kutch, Gujarat. *Proc. Symp. Rec. Adv. Trop. Ecol. Varanasi* 2 : 426-437, fig. 10.
- GUJ 180 Jain, S.K. & Deshpande, U.R. (1960) 1961
Further contribution to the flora of Kutch in Gujarat State. *Bull. Bot. Surv. India* 2(3 & 4) : 287-292, photo 5, 23 new rec., descr., distrib. and notes.
- GUJ 181 Jain, S.K. & Kanodia, K.C. 1960
Additions to the Flora of Kutch. *Curr. Sci.* 29(9) : 361-362. 9 new rec.
- GUJ 182 Joshi, N.J. 1959
The Cutch desert immobilization scheme. *Indian Forester* 85(1) : 43-50.

- GUJ 183 Kanodia, K.C. & Nanda, P.C. 1966
On the grasses and grasslands of Kutch. *Ann. Arid Zone* 5 : 173-187. Enum., spp. Distrib., growth characteristics, ecol., phenology of grasses.
- GUJ 184 Kapadia, G.A. 1954
Statistical synopsis of the flora of Kutch. *Journ. Gujarat Res. Soc.* 16 : 90-107.
- GUJ 185 Kapadia, G.A. 1954
Notes on Kutch grasses. *Journ. Gujarat Res. Soc.* 16 : 329-340.
- GUJ 186 Palin, C.T. 1880
A list of plants of Kutch. *Bombay Gazetteer* 5.
- GUJ 187 Puri, G.S., Jain, S.K. & Deshpande, U.R. (1960) 1961
Some aspects of distribution pattern of plants of Kutch flora. *Mem. Indian Bot. Soc.* 3 : 22-25, tab. 3.
- GUJ 188 Rao, K.S.S. & Sabins, S.D. 1977
Additions to Kutch Flora. *Journ. Biol. Soc.* 20(1) : 1-6.
- GUJ 189 Rao, K.S.S. & Sabins, S.D. (1981) 1983
The flora of Kutch-floristic and phytochemistry. *Bull. Bot. Surv. India* 23(1-2) : 46-50. A short vegetation analysis.
- GUJ 190 Rao, R.S. 1970
Studies on the flora of Kutch, Gujarat State (India) and their utility in the economic development of the semi-arid regions. *Ann. Arid Zone* 9(2) : 125-142, tab. 1, map 1. Discussion, economic use, veg. types.
- GUJ 191 Rao, R.S. & Deshpande, U.R. (1968) 1969
Helichrysum cutchicum (C.B.Cl.) R.S. Rao & Desh. an interesting species from Western India. *Bull. Bot. Surv. India* 10 : 225-227, tab. 1, fig. 11.
- GUJ 192 Thaker, J.I. 1926
Plants of Cutch and their utility. Baroda.

Mahagujerat

GUJ 193 Kapadia, G.A. 1950

Plant life in Mahagujerat. *Journ. Gujarat Res. Soc.* 11-12 : 191-225, tt. 1-11.

GUJ 194 Kapadia, G.A. 1954

Timber wealth of Mahagujerat. *Journ. Gujarat Res. Soc.* 16 : 3-25.

Mahi Ravines

GUJ 195 Shah, G.L. 1969

A contribution to the flora of Mahi Ravines. *Indian Forester* 95(4) : 270-277.

GUJ 196 Verma, B. 1969

Stability and economics of grass for reclamation and stabilisation of Mahi Ravines in Gujarat. *Indian Forester* 95 : 33-44.

Mesbana

GUJ 197 Shah, G.L. & Yogi, D.V. 1974

See under Ahmedabad.

Nawanagar

GUJ 198 Santapau, H. 1950

See under Kathiawar.

Okhamandal (Jamnagar Dist.)

GUJ 199 Raizada, M.B. & Vaid, K.M. 1957

Glimpses of the vegetation of Okhamandal. *Indian Forester* 83 : 641-646. Enum. 256 spp., discussion.

GUJ 200 Rao, T.A. & Aggarwal, K.R. 1971

Ecological studies of Saurashtra coast and neighbouring islands III. Okhamandal point to Diu coastal area. *Arid Zone Problems Symposium, Jodhpur*, 31-42.

Panch Mahal (District)

GUJ 201 Bedi, S.J. & Thaker, D.N. 1973

The occurrence of *Chrysanthellum indicum* DC. in Gujarat State. *Journ. Bombay Nat. Hist. Soc.* 70(3) : 590-591, pl.1, descr., phenology, distrib.

GUJ 202 Bhatt, R.G. & Shah, G.L. 1974

A contribution to the flora of Panchmahals. *Adhyayan* 1 : 93-116.

GUJ 203 Shah, G.L. & Bhatt, R.G. 1980

Phytosociology of the forests of Panchmahals district in eastern Gujarat. *Indian Journ. Forestry* 3 (1) : 47-53, tab. 1, map 1.

GUJ 204 Shah, G.L. & Deshpande, M.B. (1969) 1972

A contribution to the flora of Tuwa in Panchmahal district, Gujarat. *Bull. Bot. Surv. India* 11 (3&4) : 277-283. Enum. 539 spp., 1 new sp., 5 new rec

Pavagadh, Pavagadh Hills (Pavagadh hills).**GUJ 205 Bedi, S.J., Sabins, S.D. & Bhatt, R.P. 1968**

Additions to the flora of Pavagadh hills, Gujarat State. *Journ. Bombay Nat. Hist. Soc.* 76(2) : 522-524. Enum. 12 spp., notes.

GUJ 206 Bedi, S.J., Sabins, S.D. & Thaker, D.N. 1972

Additions to the flora of Pavagadh hills, Gujarat State. *Indian Forester* 98 : 667-668. Enum. 22 spp., notes.

GUJ 207 Chavan, A.R., Bedi, S.J. & Sabins, S.D. (1966) 1967

A few additions to the flora of Pavagadh. *Journ. Bombay Nat. Hist. Soc.* 63(3) : 786. Enum. 9 spp.

GUJ 208 Chavan, A.R. & Mehta, A.R. 1959

Grasses of Pavagadh. *Journ. Indian Bot. Soc.* 38 : 171-185, tab. 1, map 1. Enum. 70 spp., notes.

GUJ 209 Chavan, A.R. & Oza, G.M. 1966

The Flora of Pavagadh (Gujarat State, India). pp. viii : 296, fotogr. 1, map 1. The Maharaja Sayajirao University Press, Baroda. Enum. 506 spp. 85 fam. ; key to the genera & spp., phenology, local names, use, notes ; 11 spp. additions to Cooke's Flora.

GUJ 210 Chohan, J.G. & Shah, G.L. 1969

Some more plants from Pavagadh hills, near Baroda. *Journ. Bombay Nat. Hist. Soc.* 66(2) : 405-409. Enum. 27 spp., notes.

GUJ 211 Phatak, V.G. & Oza, G.M. 1958

Some useful weeds of Baroda, its neighbourhood and Pavagadh. *Journ. Bombay Nat. Hist. Soc.* 55(3) : 532-542. Enum. 73 spp., medicinal use, local names and notes.

GUJ 212 Phatak, V.G. & Oza, G.M. 1959

Occurrence of *Curcuma inodora* Blatt. at Pavagadh (Gujarat).
Journ. Bombay Nat. Hist. Soc. 56(2) : 368-369. Notes.

GUJ 213 Santapau, H. 1955

Excursion of the Indian Botanical Society to Pavagadh Hill,
near Baroda, on January 7th 1955. *Journ. Indian Bot. Soc.*
34 : 158-189, t.1.

GUJ 214 Shah, G.L. & Inamdar, J.A. 1965

Further contribution to the flora of Pavagadh hill near
Baroda, Gujarat. *Journ. Bombay Nat. Hist. Soc.* 62(2) :
279-284. Enum. 26 spp., notes.

Piram Island

GUJ 215 Rao, T.A. 1970

A new locality record of *Corilia crenata* Del. in Piram Island
of South Saurashtra Coast. *Journ. Bombay Nat. Hist. Soc.*
67 : 128. Discussion.

GUJ 216 Rao, T.A., Aggarwal, K.R. & Mukherjee, A.K. 1966

Ecological studies of Saurashtra coast and neighbouring
Islands : IV. Piram Island. *Bull. Bot. Surv. India* 8(1) : 60-67.
Enum. 74 spp., col., notes.

Porbandar

GUJ 217 Kapadia, G.A. 1947

A note on Porbandar grasses. *Journ. Gujarat Res. Soc.* 9 :
122-130.

GUJ 218 Kapadia, G.A. 1949

Statistical synopsis of the flora of Baroda mountain in
Porbandar State, based on 'Varaspati Shashtra' by Jaikrishna
Indraji. *Journ. Indian Bot. Soc.* 28 : 245-251.

Rajkot

GUJ 219 Deshpande, U.R., Singh, N.P. & Raghavan, R.S. (1978) 1979

Rediscovery of the rare grass *Parahyparrhenia bellariensis*
(Hack.) Clayton. *Bull. Bot. Surv. India* 20(1-4) : 149-150.

GUJ 220 Pandey, S.M. & Sood, P.K. 1974

Ecological studies of Crop-weed Association of Maize Fields
at Rajkot. *Journ. Indian Bot. Soc.* 53(1 & 2) : 41-47.

Rajpipla Forest

GUJ 221 Bhatt, R.P., Bedi, S.J. & Sabins, S.D. 1971

Botanical explorations of the Gora range of the Rajpipla Forests, Gujarat State. *Indian Forester* 97(8) : 477-486. Enum. 460 spp.

GUJ 222 Shah, G.L. 1967

Preliminary contribution to the flora of Rajpipla Forests in Gujarat State. *Indian Forester* 93 : 672-676. Enum. 203 spp.

GUJ 223 Shah, G.L., Patel, A.I. & Singh, V.K. (1971) 1974

Additions to the flora of Rajpipla forest division, Gujarat. *Bull. Bot. Surv. India* 13(3 & 4) : 203-211. Enum. 202 spp. phenology, distrib.

GUJ 224 Shah, G.L. & Singh, V.K. 1970

Further contribution to the flora of Rajpipla forests, Gujarat. *Indian Forester* 96 : 120-126.

Rander

GUJ 225 Solanky, I.N., Joshi, J.V. & Patel, H.K. (Miss) 1972

Enumeration of plants from Rander area and environs in Gujarat. *Indian Forester* 98 : 57-64. Enum. 432 spp.

Ratan Mahal Hills

GUJ 226 Bedi, S.J. 1973

Studies on the flora and vegetation of Ratan Mahal hills, Gujarat State, India. *Bull. Indian Natn. Sci. Acad.* 45 : 1-9. 7 new rec.

Sabarkantha

GUJ 227 Shah, G.L. & Yogi, D.V. 1974

See under Ahmedabad.

Sabarmati

GUJ 228 Shah, C.K. 1963

The sedges of Sabarmati-I. *Vidya (Journ. Gujarat Univ.)* 6 : 179-186.

GUJ 229 Shah, C.K. 1970

A note on the toad rush, *Juncus bufonius* L. from India.
Journ. Bombay Nat. Hist. Soc. 67(3) : 608-609.

Sapura Range (Khandesh District)

GUJ 230 Mahabale, T.S. & Karnik, C.R. 1960

Distributional studies of forests in Sapura ranges in Khandesh District and factors governing them. *Journ. Univ. Bombay* 28(3) : 59-77.

Saurashtra

GUJ 231 Bole, P.V. 1964

An interesting parasite from Saurashtra : *Cistanche tubulosa* Wt. *Journ. Bombay Nat. Hist. Soc.* 61 : 472-473, photo 1. Notes.

GUJ 232 Deogun, P.N. 1950

Forest and State of Saurashtra Rajkot.

GUJ 233 Kapadia, G.A. 1952

See under Junagadh.

GUJ 234 Menon, A.R.R. & Shah, G.L. 1982

Phytosociological studies of the vegetation of Saurashtra (Gujarat). *Indian Journ. Forestry* 5(1) : 55-63. Analysis of mutual species relationship.

GUJ 235 Prain, D & Santapan, H. 1954

Contribution to the flora of the Gir forest in Saurashtra. *Indian Forester* 80 : 379-389, tt.5.

GUJ 236 Rao, R.S. & Deshpande, U.R. (1968) 1969

See under Kutch.

GUJ 237 Rao, T.A. & Aggarwal, K.R. (1964) 1965

Ecological studies of Saurashtra coast and neighbouring islands : I. DIU Island. *Bull. Bot. Surv. India* 6(2-4) : 173-183 tab. 5. Analysis of plant communities into three groups of ecosystem : Rock-strand, Strand and Island sandy plain ; Enum. 87 spp.

- GUJ 238 Rao, T.A. & Aggarwal, K.R. (1969) 1971
See under Okhamandal.
- GUJ 239 Rao, T.A. & Aggarwal, K.R. 1966
Ecological studies of Saurashtra coast and neighbouring islands-II. Beyt island. *Bull. Bot. Surv. India* 8(1) : 16-24, fig. 1, tab. 3., Enum. 113 spp., discussion, veg. types.
- GUJ 240 Rao, T.A., Aggarwal, K.R. & Mukherjee, A.K. 1966
See under Piram island
- GUJ 241 Rao, T.A. & Korlahalli, H.C. 1967
Some interesting plants from the Saurashtra Coast. *Journ. Bombay Nat. Hist. Soc.* 64(3) : 535-586. 2 spp., descr., distrib., notes.
- GUJ 242 Rao, T.A. & Mukherjee, A.K. (1967) 1968
Ecological studies of Saurashtra coast and neighbouring island-5. Jafarabad to Bhabanagar coastal area. *Bull. Bot. Surv. India* 9 : 79-87, fig. 3, tab. 2. Enum. 82 spp
- GUJ 243 Rao, T.A. & Safui, B. 1963
Distribution of some rare plants along Saurashtra coast and neighbouring islands. *Proc. Indian Acad. Sci.* 58B : 362-366. Enum. 13 spp., distrib., notes.
- GUJ 244 Rao, T.A. & Shanware, P.G. (1967) 1968
Ecological studies of Saurashtra coast and neighbouring islands-6. An approach to a classification of the Saurashtra coastland - a resume. *Bull. Bot. Surv. India* 9(1-4) : 240-248, fig. 4. Discussion on plant communities, habitats.
- GUJ 245 Santapau, H. 1952
Report of the work done under the auspices of the Saurashtra Research Society for the botanical survey of Saurashtra. *Ann. Rep. Saurashtra Res. Soc.* 1951 : 9-20.
- GUJ 246 Santapau, H. 1952
Report of the Second Field Season in the Botanical Survey of Saurashtra. Rajkot.

GUJ 247 Santapau, H. 1953.

Plants of Saurashtra. A Preliminary List. Saurashtra Res. Soc. Monogr. 1. Rajkot. pp. 1-45.

GUJ 248 Santapau, H. 1962

The Flora of Saurashtra, pt. 1. X + 270. Rajkot. 454 spp./58 fam. Key to Gen. & spp. descr., local names and uses.

GUJ 249 Santapau, H. & Janardhanan, K.P. 1966

The Flora of Saurashtra (Check list). Bull. Bot. Surv. India : Suppl. 1 : 1-58. Enum. 1193 spp./131 fam.

GUJ 250 Sedgwick, L.J. 1914

A list of grasses from Ahmedabad and Surat. Journ. Bombay Nat. Hist. Soc. 2:(1) : 110-117.

GUJ 251 Shah, G.L. & Meron, A.R. 1980

A contribution to the flora of Saurashtra : Floristic, floristic composition, floral elements and biological spectrum of Saurashtra, Gujarat. Journ. Econ. Tax. Bot. 1(1 & 2) : 1-10. Enum. 53 spp.

GUJ 252 Shah, G.L., Meron, A.R. & Gopal, G.V. 1981

An account of the ethnobotany of Saurashtra in Gujarat State (India). Journ. Econ. Tax. Bot. 2 : 173-182.

Taranga Hills**GUJ 253 Shah, C.K. 1964**

The Flora of Taranga Hills. Journ. Oriental Inst. 1 : 458-474.

Tithal**GUJ 254 Inamdar, J.A. & Patel, R.M. 1971**

See under Bulsar.

Tawa**GUJ 255 Deshpande, M.B. & Shah, G.L. (1968) 1969**

*A new species of *Fuirena* from Gujarat, India. Bull. Bot. Surv. India 10(2) : 239-240.*

Vallabh Vidyanagar

GUJ 256 Chohan, J.G. 1966

Flora of Vallabh Vidyanagar. *Vidya* 9 : 197-216.**Visnagar**

GUJ 257 Bharati, S.G. 1959

A brief account of the flora of Visnagar, N. Gujarat and its environs. *Journ. Bombay Nat. Hist. Soc.* 56 : 588-610. Enum. 215 spp. local names, notes.**Vyara Forest**

GUJ 258 Shah, G.L. & Patel, A.I. (1970) 1972

A preliminary survey of the flora of Vyara forests in South Gujarat. *Bull. Bot. Surv. India* 12(1-4) : 18-28. Enum. 470 spp., veg., notes.**GENERAL ADDITIONS**

GUJ 259 Koshy, K.C. & Shah, G.L. 1985

Eriocaulon diana var. *richardianum* Fyson in Gujarat State. *Journ. Econ. Tax. Bot.* 7 (1) : 213-214, fig. 1.

GUJ 260 Prakash, G.D., Moorthy, S. & Anand Kumar 1984

Ariopsis peltata Nimmo (Araceae) — An addition to the flora of Gujarat. *Journ. Econ. Tax. Bot.* 5 (2) : 430.

GUJ 261 Sabins, S.D. & Rao, K.S.S. 1985

Floristic composition and phytogeographical analysis of the flora of South eastern Kutch. *Journ. Econ. Tax. Bot.* 6 (2) : 341-346.

GUJ 262 Shah, G.L. & Gopal, G.V. 1985

Ethnomedical notes from the tribal inhabitants of the North Gujarat (India). *Journ. Econ. Tax. Bot.* 6 (1) : 193-201, figs. 2.

GUJ 263 Uniyal, B.P. & Pal, D.C. 1984

Ischaemum impressum Hack. (Poaceae)—a new record for Gujarat State. *Journ. Econ. Tax. Bot.* 5 (2) : 480.

HARYANA

The state Haryana (Capital Chandigarh) is divided into two natural regions (1) Sub-Himalayan terai and (2) Indo-Gangetic Plain. The average height from north to south is in between 700 and 900 feet.

The state is divided into 12 districts as follows :

- (1) **Ambala** : 3832 sq. km. ; population 1400133 ; Dist. Hq. Ambala.
- (2) **Kurukshetra** : 3740 sq. km. ; population 1123545 ; Dist. Hq. Kurukshetra.
- (3) **Karnal** : 3721 sq. km. ; population 1317823 ; Dist. Hq. Karnal.
- (4) **Jind** : 3306 sq. km. ; population 935272 ; Dist. Hq. Jind.
- (5) **Sonepat** : 2206 sq. km. ; population 843968 ; Dist. Hq. Sonepat.
- (6) **Rohtak** : 3841 sq. km. ; population 1326343 ; Dist. Hq. Rohtak.
- (7) **Faridabad** : 2150 sq. km. ; population 996814 ; Dist. Hq. Faridabad.
- (8) **Gurgaon** : 2716 sq. km. ; population 840817 ; Dist. Hq. Gurgaon.
- (9) **Mahendragarh** : 3010 sq. km. ; population 949745 ; Dist. Hq. Narnaul.
- (10) **Bhiwani** : 5099 sq. km. ; population 916744 ; Dist. Hq. Bhiwani.
- (11) **Hissar** : 6315 sq. km. ; population 1491493 ; Dist. Hq. Hissar.
- (12) **Sirsa** : 4276 sq. km. ; population 708188 ; Dist. Hq. Sirsa.

Vegetation and Important Floristic Elements

The state Haryana has no perennial river and so the south west part is dry, sandy and nearly barren. The only river which passes through the northern fringes of the state is Ghaggar. The climate is pronouncedly hot in the summer season and markedly cold in winter. Two well marked rainy seasons noted are (1) the monsoon season June to September and (2) the winter rains that occur from December to February. Due to lack of perennial river, drainage system is very poor and flora is depending solely on ground water.

Economy of the state is mainly agricultural based. The important agricultural crops being wheat, bajra, rice, maize, jawar, sugarcane, mustard and cotton. The state has got a very little area of forest which is found in the Shivaliks and in the Aravalli. Haryana occupies an important position in dairy farming and in producing the high yielding breeds of buffaloes and cows and is known as the "Milk Pail of India".

Sanctuary

Sultanpur Bird Sanctuary : Gurgaon Dist.; 1.44 sq. km. ; tropical dry deciduous wet land ; important faunal representation : blue bull, chinkara, wild boar, water birds (migratory and endemics).

General

HAR 1 Jain, S.P. 1985

Additions to the flora of North-East Haryana. *Journ. Econ. Tax. Bot.* 6(3) : 652-654.

HAR 2 Jain, S.P. & Verma, D.M. 1981

Some interesting plant records from Haryana State (India). *Journ. Econ. Tax. Bot.* 2 : 73-78. 30 new rec.

Ambala

HAR 3 Jain, S.P. 1984

Ethnobotany of Morni and Kalesar (District Ambala). *Journ. Econ. Tax. Bot.* 5 (4) : 809-813.

Kurukshetra

HAR 4 Singh, J.S. & Yadav, P.S. 1974

Seasonal variation in composition, plant biomass and net primary productivity of a tropical grassland at Kurukshetra, India. *Ecol. Monogr.* 44 : 351-376.

HAR 5 Yadav, P.S. & Singh, J.S. 1972

Sedges and grasses of Kurukshetra, Haryana. *Annals Arid Zone* 11 : 1-17. Enum.

HIMACHAL PRADESH

Himachal Pradesh (Capital Simla), an almost entirely mountainous region with an altitude range from 460-6400 meters can be divided into (1) the southern part almost as hot as the plains and (2) the northern part with a temperate summer and extreme cold winter with heavy snowfall. The important rivers of the state are Chenab, Ravi, Sutlej and Yamuna. Since they are snow-fed, all these rivers are perennial.

The state is divided into 12 districts as follows :

- (1) **Bilaspur** : 1167 sq. km. ; population 244614 ; Dist. Hq. Bilaspur.
- (2) **Chamba** : 6528 sq. km. ; population 309362 ; Dist. Hq. Chamba.
- (3) **Hamirpur** : 1118 sq. km. ; population 314942 ; Dist. Hq. Hamirpur.
- (4) **Kangra** : 5750 sq. km. ; population 965488 ; Dist. Hq. Dharmasala.
- (5) **Kinnaur** : 6401 sq. km. ; population 59154 ; Dist. Hq. Kalpa.
- (6) **Kulu** : 5503 sq. km. ; population 239123 ; Dist. Hq. Kulu.
- (7) **Lahul & Spiti** : 13688 sq. km. ; population 320063 ; Dist. Hq. Keylang.
- (8) **Mandi** : 3950 sq. km. ; population 641175 ; Dist. Hq. Mandi.
- (9) **Simla** : 5132 sq. km. ; population 507793 ; Dist. Hq. Kasumpti.
- (10) **Sirmur** : 2825 sq. km. ; population 305927 ; Dist. Hq. Nahan.
- (11) **Solan** : 1936 sq. km. ; population 301854 ; Dist. Hq. Solan.
- (12) **Una** : 1540 sq. km. ; population 315874 ; Dist. Hq. Una.

Vegetation and Important Floristic Elements

Due to deeply dissected topography and a complex geographical structure accompanied by a great variation of altitude the state is rich in alpine, temperate and subtropical floras. Most of the districts have forest and hilly soils excepting Simla and Sirmur which have alluvial soil. The annual rainfall measuring ca. 181.6 cm. with maximum amount at Dharmasala in Kangra district. Important floristic elements are *Pinus roxburghii*, *Pyrus pashia*, *Cedrus deodora*, *Pinus wallichiana*, *Quercus ilex*, *Rhododendron arboreum*, *Rhus cotinus*, *Desmodium tchaeifolium*, *Zanthoxylum alatum*, *Picea smithiana*, *Acer pictum*, *Celtis australis*, *Betula utilis*, *Abies spectabilis* and different species of *Berberis*, *Cymbopogon*, *Symplocos*, *Spiraea*, *Artemisia*, *Indigofera*, *Polygonum*, *Lonicera*, *Daphne*, *Salix*, *Saxi-*

fraga, *Primula*, *Aconitum*, *Potentilla*, *Astragalus*, *Pedicularis*, *Gentiana*, *Thalictrum*, *Anaphalis*, *Anemone*, *Taraxacum* etc.

Rare, Threatened and Endemics

Himachal Pradesh situated in the north western corner of India with varied topography and biotic factors is very rich in floral wealth. Many endemics are recorded from the area and due to various factors some interesting species are becoming rare. Some species are *Thalictrum rostellatum*, *Hedysarum astragaloides*, *Indigofera simlensis*, *Thermopsis inflata*, *Galium confertum*, *Saussurea atkinsoni*, *Primula deumondiana*, *Eulophia hormuzji*, *Gastrodia orobanchoides*, *Goodyera biflora*, *Habenaria arcuata*, *Herminium duthiei*, *Oreorchis indica*, *Cautleya petiolata*, *Iris unilesii*, *Allium auriculatum*, *Carex munroi*, *Kobresia duthiei*, *Agropyron duthiei*, *Deyeuxia simlensis*, *Elymus thomsonii*, *Poa falconeri*, *Astragalus malacophyllus*, *Caragana guaradana*, *Bupleurum dalhousieanum*, *B. madleni*, *B. thomsonii*, *Heracleum thomsonii*, *Pleurospermum stylosum*, *Euphrasia foliosa*, *E. microcarpa*, *E. multiflora*, *Scutellaria prostrata*, *Asphodelus comosus*, *Oryzopsis stewartiana*.

Economy of the state is mainly based on Agriculture and Horticulture. A wide variety of vegetables and fruits like potato, ginger, apples, stone fruits grow in the state. Important crops are wheat, maize and rice. The forest produce are timber yielding deodar, kali, ehil, spruce, silver fir, pine, sal, walnut, maple, seemal, chestnuts, poplar, shisham, oak. The state is also rich in various minerals like gypsum, limestone, dolomite, pyrites, phosphate, lead etc.

Sanctuaries, Parks and Tiger Reserves

- (1) **Bandli Wild Life Sanctuary** : Mandi Dist. ; 41.32 sq. km. ; sub-tropical pine ; important animals : snow leopard, panther, black bear, marten, goral.
- (2) **Chail Wild Life Sanctuary** : Solan Dist. ; 23.21 sq. km. ; Himalayan sub tropical pine ; important faunal representatives : goral, barking deer.
- (3) **Daranghati Wild Life Sanctuary** : Simla Dist. 167.4 sq. km. ; Himalayan moist temperate ; faunal representation : leopard, black bear, goral, serow, marten, pheasant.
- (4) **Darlaghat Wild Life Sanctuary** : Solan Dist. ; 44.32 sq. km. ; Himalayan sub-tropical pine : important fauna : snow leopard, panther, marten, civet, goral, partridges.

- (5) **Gangot Siya Behi Wild Life Sanctuary** : Chamba Dist. ; 9 sq. km. ; Himalayan dry temperate ; important faunal representation : leopard, weasel, marten, civet, tahr, brown bear, musk deer, goral, Kashmir stag, partridges.
- (6) **Gohindsagar Wild Life Sanctuary** : Bilaspur Dist. ; 100.34 sq. km. ; Himalayan subtropical pine ; important faunal representation : duck, teal, goose, crane.
- (7) **Kanswar Wild Life Sanctuary** : Kulu Dist. ; 54.27 sq. km. ; Himalayan subalpine and moist temperate ; important faunal representation : panther, civet, tahr, serow, goral, black bear, partridge.
- (8) **Kalatop & Khajjar Wild Life Sanctuary** : Chamba Dist. ; 47.28 sq. km. ; Himalayan moist temperate, important representatives : leopard, black bear, markhor, goral, bharal, marten, partridges.
- (9) **Khokhan Wild Life Sanctuary** : Kulu Dist. ; 13.36 sq. km. ; Himalayan moist temperate ; important faunal representatives : leopard, black bear, serow, goral, tahr, pheasants, partridges.
- (10) **Kias Wild Life Sanctuary** : Kulu Dist. ; 13.65 sq. km. ; Himalayan sub-alpine moist-temperate ; important faunal representatives-leopard, black bear, serow, goral, tahr, partridges, pheasants.
- (11) **Kogti Wild Life Sanctuary** : Chamba Dist. ; 118.29 sq. km. ; important faunal representatives : snow leopard, panther, brown bear, marten, musk deer, goral, serow, markhor, partridges, pheasants.
- (12) **Lippa Aarang Wild Life Sanctuary** : Kinnaur Dist. ; 109.11 sq. km. ; Himalayan dry temperate ; important faunal representatives : leopard, markhor, bharal, goral, marten, pheasants.
- (13) **Majathal & Husrang Sanctuary** : Solan Dist. ; 92.06 sq. km. ; Himalayan sub-tropical pine, moist temperate ; important faunal representatives : snow leopard, panther, black bear, goral, partridges, pheasants.
- (14) **Manali Wild Life Sanctuary** : Kulu Dist. ; 28.37 sq. km. ; Himalayan moist temperate ; important faunal representatives : leopard, black bear, tahr, serow, goral, partridge, pheasants.
- (15) **Noggu Wild Life Sanctuary** : Mandi Dist. ; 278.38 sq. km. ; Himalayan sub-tropical pine moist temperate ; important faunal

representatives : snow leopard, black bear, goral, serow, musk deer, marten, partridges, pheasants.

- (16) **Raksham and Chitkul Wild Life Sanctuary** : Kinnaur Dist. ; 138.44 sq. km. ; Himalayan sub-tropical moist-temperate forest ; important faunal representation : leopard, black bear, brown bear,, bharal, goral, partridges, pheasants.
- (17) **Renuka Wild Life Sanctuary** : Sirmur Dist. ; 13.44 sq. km. ; Himalayan sub tropical pine and mixed deciduous ; important faunal representatives : leopard, goral, sambar, barking deer, red jungle fowl, peafowl, partridges.
- (18) **Ruppi Bhawa Wild Life Sanctuary** : Kinnaur Dist. ; 124.87 sq. km. ; important animals are leopard, red fox, goral.
- (19) **Sechu Tun Nala Wild Life Sanctuary** : Chamba Dist. ; 4.50 sq. km. ; Himalayan dry temperate ; important faunal representatives : snow leopard, lynx, brown bear, black bear, tahr.
- (20) **Shikari Devi Wild Life Sanctuary** : Mandi Dist. ; 213.51 sq. km. ; Himalayan sub-tropical pine-moist-temperate : important faunal representatives : snow leopard, panther, black bear, musk deer, goral, serow, partridges, pheasants.
- (21) **Shilli Wild Life Sanctuary** : Solan Dist. ; 19.7 sq. km. ; Himalayan sub-tropical pine ; important faunal representatives : snow leopard, panther, marten, barking deer, pheasants, partridges.
- (22) **Shri Naina Devi Wild Life Sanctuary** : Bilaspur Dist. ; 163.38 sq. km. ; Himalayan sub-tropical pine ; important faunal representatives : snow leopard, panther, marten, black bear, sambar, barking deer, blue bull, red jungle fowl, partridges.
- (23) **Simbalbhara Wild Life Sanctuary** : Sirmur Dist. ; 55.37 sq. km. ; Himalayan sub-tropical pine and mixed deciduous ; important faunal representatives : leopard, goral, sambar, barking deer, redjungle fowl, partridges.
- (24) **Simla Water Catchment Area Wild Life Sanctuary** : Simla Dist. ; 10.25 sq km. ; Himalayan dry temperate ; important faunal representatives : snow leopard, leopard, marten, goral, serow.
- (25) **Talra Wild Life Sanctuary** : Simla Dist. ; 76.2 sq. km. ; Himalayan dry temperate ; important fauna : leopard, black bear, goral, musk deer, partridges, pheasants.

- (26) **Tirthan Wild Life Sanctuary** : Kulu Dist. ; 198.0 sq. km. ; Himalayan temperate coniferous, important faunal representatives : leopard, black bear, goral.
- (27) **Tundah Wild Life Sanctuary** : Chamba Dist. ; 64.22 sq. km. ; Himalayan dry temperate ; important faunal representatives : snow leopard, brown bear, black bear, tahr, musk deer, serow, markhor, partridges and pheasants.

General

HMP 1 Agrawal, S. (1982) 1983

Swertia kingii Hook. f. a new record from North-West Himalaya. *Journ. Bombay Nat. Hist. Soc.* 79(2) : 463.

HMP 2 Ali, S.I. 1958

Revision of the Genus *Indigofera* L. from W. Pakistan and N.W. Himalayas. *Bot. Not.* 3 (Fasc. 3) : 543-577, fig. 5, tab. 8. *I. simlensis* Ali spp. nov. from simla.

HMP 3 Bhattacharya (nee Mukherjee), B. 1976

Lolium remotum Schrank. var. *aristatum* (Doell) Aschers. a new record for India. *Curr. Sci.* 45 : 277.

HMP 4 Biswas, S.N. & Prasad, R. 1970

On the occurrence of *Buddleja davidii* Franch. (Loganiaceae) in India. *Journ. Bombay Nat. Hist. Soc.* 67(2) : 359-360.

HMP 5 Chowdhery, H.J. & Wadhwa, B.M. 1981

Epilobium clarkeanum Hausskn. and *E. wallichianum* Hausskn. spp. *wallichianum*-new distributional records for North-Western Himalaya. *Indian Journ. Forestry* 4(4) : 329-330.

HMP 6 Gupta, R. 1965

Introduction of Hops Cultivation in Himachal Pradesh. *Indian Pref.* 9 : 81-85.

HMP 7 Janardhanan, K.P. (1973) 1976

On the occurrence of *Micromeria biflora* (Buch.-Ham. ex D. Don) Kitamura & Murata (Lamiaceae) in Western Himalaya. *Bull. Bot. Surv. India* 15 : 128.

- HMP 8 Kedarnath, S. & Chatterji, R.N. 1966
A valuable exotic bamboo (*Phyllostachys bambusoides*) in Himachal Pradesh. *Indian Forester* 92 : 428-431, fig. 4.
- HMP 9 Mohan, N.P. 1956
The Himachal conifers-V. The succession of forest communities in Chir pine (*Pinus roxburghii*) forests of the Punjab and Himachal Pradesh. *Indian Forester* 82 : 52-91. Veg. notes.
- HMP 10 Naithani, H.B. & Bahadur, K.N. 1979
Vulpia ciliata Link. a grass new to India. *Indian Forester* 105 : 232-235.
- HMP 11 Ram, B.S. 1955
Forests and forestry in Himachal Pradesh. *Indian Forester* 81 : 7-13.
- HMP 12 Singh, N.B. & Bhattacharyya, U.C. (1983) 1985
A new variety of *Rhodiola imbricata* Edgew. (Crassulaceae) from India. *Bull. Bot. Surv. India* 25(1-4) : 246-248, fig. 1. Key *R. imbricata* var. *lobulata*.
- HMP 13 Singh, R.P., Sharma, K.C. & Gupta, M.K. 1981
Rumex hastatus: suitable shrub for erosion control in Himachal Pradesh. *Indian Journ. Forestry* 4(4) : 310-317.
- Bashar**
- HMP 14 Gorrie, R.M. 1929
A short description of Upper Bashahr Forest Division. *Indian Forester* 55 : 534-539.
- HMP 15 Mohan, N.P. & Puri, G.S. 1955
The Himalayan Conifers III. The succession of forest communities in Oak-Conifer forests of Bashahr Himalayas. *Indian Forester* 81 : 465-487, 549-562, 646-652, 701-711.
- HMP 16 Mohan, N.P., Puri G.S. & Gupta, A.C. 1957
The Himalayan Conifers-IV. A study of some soil profile in Oak-Conifer forests of Bashahr Himalayas. *Indian Forester* 83 : 112-117.

HMP 17 Nair, N.C. 1977

Flora of Bashahr Himalayas. Hissar Bioscience Publishers.
1-360 pp.

HMP 18 Nayar, M.P. & Malick, K.C. (1969) 1972

A new variety of *Galium confertum* Royle ex Hook. f. from N.W. Himalaya. *Bull. Bot. Surv. India* 11(3 & 4) : 429, fig. 1.
G. confertum var. *laceanum* Nayar et Malick.

Chamba

HMP 19 Aswal, B.S. & Mehrotra, B.N. 1982

Delphinium uncinatum Hook. f. et Thoms. (Ranunculaceae) and *Lilium wallichianum* Schultes f. (Liliaceae) two rare finds from North West Himalaya. *Journ. Econ. Tax. Bot.* 3(3) : 773-775.

HMP 20 Gammie, G.A. 1898

A botanical tour in Chamba and Kangra. *Journ. Bombay Nat. Hist. Soc.* 1(10) : 183-214.

HMP 21 Gupta, R. 1964

Survey record of Medicinal and Aromatic plants of Chamba forest division, Himachal Pradesh. *Indian Forester* 90(7) : 454-468.

HMP 22 Gupta, R. 1967

Cultivation of *Digitalis lanata* Ehrh. in Chamba Hills, Himachal Pradesh. *Indian Forester* 93 : 33-40.

HMP 23 Purohit, K.M. & Panigrahi, G. (1983) 1985

A new species of *Spiraea* L. (Rosaceae) from Himachal Pradesh, India. *Evol. Bot. Surv. India* 25(1-4) : 230-231, fig. 1, descr. *S. chambaensis*.

HMP 24 Shabuam, S.R. 1964

Medicinal plants of Chamba. *Indian Forester* 90(1) : 50-63.

HMP 25 Watt, G. 1881

Notes on the vegetation of Chamba State and British Lahul with description of new species. *Journ. Proc. Linn. Soc.* 18 : 368-382, tt. 9-14.

Chamoli

HMP 26 Bhattacharyya, U.C. & Jain, S.K. (1983) 1985

Three new taxa and four new names in the tribe Agrostideae (Poaceae) from India. *Bull. Bot. Surv. India* 25(1-4) : 204-210, figs. 3, descr.

Churah Forest Division (Chamba Dist.)

HMP 27 Gupta, R. 1971

Medicinal and Aromatic plants of Bhandal Range, Churah Forest Division, Chamba District, Himachal Pradesh. *Journ. Bombay Nat. Hist. Soc.* 68(3) : 791-803. Discussion, notes.

Dharamshala-Palampur

HMP 28 Kapur, S.K. & Sarin, Y.K. 1985

Further contribution to the flora of Kangra Valley : Dharamshala-Palampur Tract. *Journ. Econ. Tax. Bot.* 6 (3) : 563-572.

Jubbal Forest Division

HMP 29 Vart, S. 1954

Forest types in Jubbal forest division of Himachal Pradesh. *Indian Forester* 80 : 582-587.

Kangra

HMP 30 Gamble, G.A. 1898

See under Chamba.

HMP 31 Kapoor, S.K. & Sarin, Y. (1978) 1979

Contribution to the flora of Kangra Valley part I : Dharamshala-palampur tract. *Bull. Bot. Surv. India* 20(1-4) : 1-19. Enum. 399 spp.

HMP 32 Mohan, N.P. 1933

Ecology of *Pinus longifolia* in Kangra and Hoshiarpur Forest Division. *Indian Forester* 59 : 812-816.

HMP 33 Uniyal, M.R. & Chauhan, N.S. 1971

Medicinal plants of Uhal valley in Kangra Forest. *Journ. Res. Ind. Med.* 6(3) : 289.

Kinnaur (District)

HMP 34 Janardhanan, K.P. 1973

On the occurrence of *Cuscuta santapavi* Banerjee & Das in Western Himalaya. *Journ. Bombay Nat. Hist. Soc.* 70(1) : 230-231.

Kulu

HMP 35 Fawcett, W.E. 1930

A short account of the Kulu Forest Division. *Indian Forester* 56 : 335-339.

HMP 36 Mathur, R.K. & Uniyal, B.P. 1985

Bidens comosa (Gray) Wiegand (Asteraceae)—An addition to Indian flora. *Journ. Econ. Tax. Bot.* 6 (2) 405-406.

HMP 37 Snell, R. 1974

A visit to the Kulu Valley. *North Gard.* 28(2) : 39-42, 47.

HMP 38 Vaid, K.M. 1981

Ranunculus lingua L. The 'Great Spearwort' naturalising in Kulu valley. *Indian Journ. Forestry* 4(2) : 152-153.

Lahul

HMP 39 Aitchison, J.E.T. 1868

Lahul, its flora and vegetable products. *Journ. Linn. Soc. Bot.* 10 : 69-101.

HMP 40 Aswal, B.S. & Mehrotra, B.N. 1980

Contribution to the flora of Lahul Valley (North-West Himalaya) I. Some new plant records. *Indian Journ. Forestry* 3(2) : 154-155. 20 new rec.

HMP 41 Aswal, B.S. & Mehrotra, B.N. 1981

Contribution to the flora of Lahul valley (North-West Himalaya) ; III. A note on the nomenclature of some plants. *Journ. Econ. Tax. Bot.* 2 : 236.

HMP 42 Bhattacharya, U.C. & Majumdar, N.C. (1976) 1979

Lepidium divaricatum Sol. a new record for India. *Bull. Bot. Surv. India* 18(1-4) : 214.

- HMP 43** Joshi, A.C. 1952
Aquatic vegetation of Lahul. *Palaeobot.* 1 : 277-280
- HMP 44** Nair, N.C. (1963) 1964
A new variety of *Vernonia biloba* Linn. from Lahul. *Bull. Bot. Surv. India* 5(3 & 4) : 327. *V. biloba* var. *minima* Nair.
- HMP 45** Nair, N.C. (1964) 1965
Some plant records for Lahul and Spiti. *Bull. Bot. Surv. India* 6(2-4) : 151-153. 13 new rec.
- HMP 46** Nair, N.C. (1964) 1965
On a botanical tour to Lahul and Spiti (Punjab Himalayas). *Bull. Bot. Surv. India* 6(2-4) : 219-235. Veg. notes covering the area from Rohtang Pass to Shitkar.
- HMP 47** Naithani, H.B. & Uniyal, B.P. 1982
A new variety of *Chorispora sabulosa* Camb. (Brassicaceae) from India. *Indian Journ. Forestry* 5 : 246. *C. sabulosa* var. *eglandulosa* Narayanaswamy ex Naithani & Uniyal.
- HMP 48** Rau, M.A. 1960
On a collection of plants from Lahul. *Bull. Bot. Surv. India* 2(1 & 2) : 45-56. Plant list.
- HMP 49** Rau, M.A. 1961
A recent survey of medicinal plant resources of Lahul valley (Punjab, India). *Pakistan Journ. Sci. & Indust. Res.* 4 : 202-206.
- HMP 50** Sarin, Y.K. 1967
A survey of vegetable raw material resources of Lahul. *Indian Forester* 93(7) : 489-499.
- HMP 51** Trivedi, B.S., Aswal, B.S. & Mehrotra, B.N. 1981
New records of plants from Himachal Pradesh. *India-II. Indian Journ. Forestry* 4(1) : 324-325.
- HMP 52** Watt, G. 1881
See under Chamba.

Moralkanda

HMP 53 Kapoor, S.L., Sharma, P.C., Badola, D.P. & Kapoor, L.D. (1979) 1977

A botanical trip to Moralkanda (Himachal Pradesh). *Journ. Bombay Nat. Hist. Soc.* 73(2): 339-347. (num. 219 spp.

Narkanda

HMP 54 Brandis, D. 1879

Vegetation and country from Narkanda to Pangi, Simla.

Pangi

HMP 55 Bhattacharyya, U.C. & Uniyal, B.P. 1983

A botanical tour to Pangi and Triloknath in the Upper Chenab *Journ. Bombay Nat. Hist. Soc.* 73(1): 57-78. An account of the exploration in the remote N.W. Himalaya Valley with a list of 235 spp. 62 reported from Lahul Valley.

Sholtu

HMP 56 Uniyal, B.P. & Malhotra, C.L. (1979) 1981

Festuca arundinacea Schreb. in India. *Bull. Bot. Surv. India* 21(1-4): 182.

Simla

HMP 57 Bruce, Lady E. 1897

Simla Flowers: an annotated list of flowers collected in the neighbourhood of Simla and Musabara, Simla. (2nd ed. under the name of Lady E. Smith and H.B. Smith, 1899).

HMP 58 Buek, E.C. 1885

Twenty trees of the Simla Neighbourhood. *Journ. Simla Nat. Soc.* 1: 27-43.

HMP 59 Burkill, I.H. 1908

The spring flora in the Simla Hills. *Journ. & Proc. Asiat. Soc. Bengal* 4 : 97-231, tt. 1-16.

HMP 60 Collett, H. 1886

Some Simla Grasses. *Journ. Simla Nat. Soc.* 2 : 55-58

HMP 61 Collett, H. 1902

Flora Simlensis. A handbook of the flowering plants of Simla and the neighbourhood by the later Col. Sir Henry Collett with an introduction by W. Botting Hemsley, 201 illustr., map. Calcutta and Simla

HMP 62 Maheshwari, J.K. 1972

Togetes minuta Linn. in Simla Hills. *Journ. Bombay Nat. Hist. Soc.* 69(2) : 451

HMP 63 Parker, R.N. 1938

Collett's *Flora Simlensis*. *Indian Forester* 64 : 3-7. Additions to Collett's *Flora Simlensis*.

Spiral

HMP 64 Nair, N.C. (1964) 1965

See under Lahul.

HMP 65 Baeu, Debjani 1984

Moneses uniflora (Pyrulaceae)—A new record for Himachal Pradesh. *Journ. Econ. Tax. Bot.* 5 (4) : 969-971, fig 1., photo 1.

GENERAL ADDITIONS

HMP 66 Chowdhery, H.J., & Wadhwa, B.M. 1964

Flora of Himachal Pradesh Analysis. *Flora of India* : Series 2. Botanical Survey of India, Howrah. In two volumes. Vol. 1 : i-vi+1-340, map 1. Vol. 2 : 341-677.

HMP 67 Murti, S.K. & Uniyal, B.P. 1984

Some overlooked plant species of Himachal Pradesh. *Journ. Econ. Tax. Bot.* 6 (3) : 705-707.

JAMMU & KASHMIR

Jammu and Kashmir (Capital Srinagar), situated in extreme north-western tip of India is almost entirely mountainous broken by numerous valleys and is ranging upto 7000m, highest peak being Nanga Parbat 8728 m. The area presents a varied topography, climate, soil and vegetation. Geographically the region can be broadly divided into (i) the tracts in the north consisting the districts of Ladakh and Gilgit, the extreme arid region lies to the north of the Great Himalayan range, (ii) the middle region i.e. the valley of Kashmir drained by Jhelum and numerous fast moving snow fed streams from surrounding mountains, (iii) the plain areas of Jammu are in the south.

The region is divided into 14 districts as follows :

A. Kashmir Province :

1. Anantnag : Population 6.54 lakhs ; Dist. Hq. Anantnag.
2. Pulwama : Population 4.04 lakhs ; Dist. Hq. Pulwama.
3. Srinagar : Population 7.21 lakhs ; Dist. Hq. Srinagar.
4. Badgam : Population 3.52 lakhs ; Dist. Hq. Badgam.
5. Baramulla : Population 6.69 lakhs ; Dist. Hq. Baramulla.
6. Kupwara : Population 3.27 lakhs ; Dist. Hq. Kupwara.
7. Kargil : Population 0.64 lakhs ; Dist. Hq. Kargil.
8. Leh : Population 0.67 lakhs ; Dist. Hq. Ladakh.

B. Jammu Province :

9. Doda : Population 4.24 lakhs ; Dist. Hq. Doda.
10. Udhampur : Population 4.52 lakhs ; Dist. Hq. Udhampur.
11. Kathua : Population 3.65 lakhs ; Dist. Hq. Kathua.

12. **Jammu** : Population 9.28 lakhs ; Dist. Hq. Jammu.
13. **Rajouri** : Population 2.99 lakhs ; Dist. Hq. Rajouri.
14. **Poonch** : Population 2.22 lakhs ; Dist. Hq. Poonch.

Vegetation and Important Floristic Elements

For its varied topography, climate and soil the region presents an extremely rich and varied type of vegetation. The different vegetation types that are found in Himalayas may be summed up (Seth and Champion 1968) into 7 heads : tropical thorn, tropical dry deciduous, tropical moist deciduous, the subtropical pine, the moist temperate, the dry temperate and the alpine type. Many of the above mentioned types may be noted in the region. Cold and dry condition prevail to the Ladakh region with practically no tree and the prevailing characters of the vegetation comprises plants which are adapted to withstand the cold dry winds. Some representative elements are *Sambucus ebulus*, *Viburnum nervosum*, *Mentha arvensis*, *Pinus wallichiana*, *Cedrus deodora*, *Acer caesium*, *Aesculus indica*, *Platanus orientalis*, *Abies pindrow*, *Picea smithiana*, *Juniperus recurva*, *Betula utilis*, species of *Rhododendron*, *Salix*, *Juglans*. The important herbs are *Myrica germanica*, species of *Impatiens*, *Epilobium*, *Delphinium*, *Primula*, *Polygonum*, *Potentilla*, *Oxyria*, *Thalictrum foliolosum*, *Capsella bursa-pastoris*, *Malva sylvestris*, *Trifolium repens*, *Mentha sylvestris*, *Verbascum thapsus*, *Hypericum perforatum*, *Convolvulus arvensis*, *Anemone obtusifolia*, *Artemisia maritima*, *Corydalis govaniana*, *Paeonia emodi*, *Lonicera* sp., *Rosa webbiana*, *Saussurea lappa*, *Chenopodium album*, *Andropogon annulatus*, *Taraxacum officinale*, *Swertia* spp.

Rare, Threatened and Endemics

Since the terrain is suitable for the growth of a varied type of vegetation Jammu & Kashmir is very rich in its plant wealth. The region has a large number of endemic species some of which are becoming rare due to various factors. Some endemic or rare elements are - *Aconitum chasmonitum*, *A. kashmiricum*, *Astragalus anomalus*, *A. gilgitensis*, *A. kashmirensis*, *A. maddenianus*, *Alysicarpus meeboldii*, *Berberis kashmiriana*, *Meconopsis latifolia*, *Papaver himalaicum*, *Arabis tenuicastris*, *Draba dasyantha*, *Erophila tenerima*, *Draba lucidowiana*, *Mathiola tenera*, *Microsymbrium bracteatum*, *Thlaspi andersonii*, *Mituartia kashmirica*, *Dianthus minimus*, *Geranium rectum*, *Impatiens meeboldii*, *I. pahalgamensis*, *Alysicarpus meeboldii*, *Hedysarum cachemirianum*, *H. kumaonense*, *Vicia benthamiana*, *Cotoneaster cashmirensis*, *C. schubertii*, *Potentilla kashmirica*, *Epilobium glaciale*, *Artemisia dolichocephala*, *Saussurea atkinsonii*, *S. bracteata*, *S. clarkii*, *Androsace atzoon*, *A. mucronifolia*, *Primula clarkii*, *Nepeta paucifolia*, *Allium auriculatum*, *A. loratum*, *A. roylei*, *Carex annulata*, *C. borii*, *C. kashmirensis*, *Cal-*

magrostis decora, *C. stoliczkae*, *Catabrosa aquatica* var. *angusta*, *Catabrosella himalaica*, *Cymbopogon ramnagarensis*, *Deyeuxia kashmiriana*, *Elymus stewartii*, *Festuca Ivingei*, *F. lucida*, *Puccinellia thomsonii*, *Schizachyrium impressum*, *Stipa chitralensis*, *Scaligeria indica*, *Euphrasia kashmiriana*, *E. laxa*, *Pedicularis multiflora*; *Veronica cashemirica*, *Nepeta leucoleana*, *N. nervosa*.

The economy of the state is agriculture and horticulture based. The important agricultural crops are rice, wheat and maize. Other crops like barley, bajra and jawar are also cultivated in some parts. Among the horticultural crops most important is the apple. A great variety of timber yielding tree are spruce, pine, fir, birch, wild oak, maple, beech etc. The quality birch grow in Lidder valley and nearby areas whereas best quality of pine and deodar grow in the dense forest like Kishtwar and Lolab valley. Among important faunistic representatives are musk deer, red bear, black bear. Various minerals that are produced in the state are bauxite, manganese, gypsum, nickel, copper ore, and lignite. Among these, lignite is the chief mineral of the state.

Sanctuaries, Parks and Tiger Reserves

1. **Chumnai Basin Wild Life Sanctuary** : Anantnag Dist. ; Himalayan moist temperate-mixed deciduous, important faunal representatives : leopard, brown bear, black bear, musk deer.
2. **Dachigam National Park** : Srinagar Dist. ; 144.00 sq. km. ; Himalayan temperate-coniferous ; important faunal representatives : leopard, brown bear, black bear, serow, deer, hangul.
3. **Rajparian Wild Life Sanctuary** : Anantnag Dist. ; 48 sq. km. ; Himalayan moist temperate-mixed ; important faunal representatives : brown bear, black bear, serow, musk deer, hangul, partridges.
4. **Ramnagar Rakh Wild Life Sanctuary** : Jammu Dist. ; 12.20 sq. km. ; important animals : black bear, goral.
5. **Nandini Game Wild Life Sanctuary** : Jammu Dist. ; 33.34 sq. km. Important animal : jungle cat, black bear.
6. **Overa Wild Life Sanctuary** : Srinagar Dist. ; 60.00 sq. km. ; important animal : red fox, black bear.
7. **Shankarachary Wild Life Sanctuary** : Srinagar Dist. ; Himalayan temperate coniferous ; important faunal representatives : Chakor, tragopan.
8. **Surlisar & Mansar Patwar Wild Life Sanctuary** : Jammu Dist. , 39.13, sq.km. important faunistic elements are jungle cat, goral, black bear.

Botanical Gardens

1. **Shalimar gardens** : Srinagar Dist. ; 12 ha.
2. **Nishat bagh** : Srinagar Dist. ; 18.4 ha.
3. **Chashm e-shahi garden** : Srinagar Dist. ; 0.4 ha.

Jammu & Kashmir General

- JKM 1 Fuller, G.L.C. 1913**

List of Trees and Shrubs and Useful Herbs of the Jammu and Kashmir Forests Prepared from Working Plans and other Sources. Allahabad.

- JKM 2 Gupta, R.K, 1966**

Botanical explorations of Victor Jacquemont (1801-1832): *Indian Journ. Hist. Soc.* 12 : 150-157.

- JKM 3 Kapoor, S.L. 1968**

Materials for a flora of the Doda district of Jammu and Kashmir State. *Bull. Bot. Surv. India* 10 (1) : 28-49, tab. 1. Name list.

- JKM 4 Kapoor, S.L., Chopra, R.N. & Chopra, I.C. 1951**

Survey of economic Vegetable Products of Jammu and Kashmir. I. Sindh Forest Division. *Journ. Bombay Nat. Hist. Soc.* 50 (1) : 101-127.

- JKM 5 Kaul, V. & Sarin, Y.K. 1974**

Studies on the vegetation of the Bhadarwah hills (Jammu & Kashmir). *Bot. Not.* 127 : 500-507.

- JKM 6 Koul, A.K. & Karihaloo, J.L. (1973) 1976**

Two new records of the genus *Oxalis* for Jammu and Kashmir State. *Bull. Bot. Surv. India* 15 (1 & 2) : 137-138. *O. latifolia* H.B.K. & *O. martiana* Zucc.

- JKM 7 Lambert, W.J. 1933**

List of Trees and Shrubs for the Kashmir and Jammu Forests Circles, Jammu and Kashmir State. Calcutta. For. Bull. No. 80, Bot. Ser.

- JKM 8** Rao, T.A. (1960) 1961
Further contribution to the flora of Jammu and Kashmir State *Bull. Bot. Surv. India* 2 (3 & 4) : 387-423.
- JKM 9** Sarin, Y.K. & Kapoor, L.D. 1963
Vegetable tannin resources of Jammu and Kashmir. *Regional Res. Lab. Bull.* 1 : 136-141.
- JKM 10** Singh, T., Madan Mohan, Handa, K.L. & Sobti, S.N. 1958
Some vegetable tannin materials of Jammu and Kashmir State. *Indian Forester* 84 : 571-575.

Jammu Region

- JKM 11** Khosla, S.N. & Sobti, S.N. 1979
Control of the weed *Parthenium hysterophorus* L. in the Jammu region. *Indian Journ. Forestry* 2 (4) : 294-297.

Kashmir Region

General

- JKM 12** Adams, A.L. 1867
Wanderings of a Naturalist in India, the West Himalayas and Kashmir. Edinburgh.
- JKM 13** Ali, S.I. 1958
See under Himachal Pradesh General. *Indigofera himalayensis* Ali from Kashmir & E. Punjab.
- JKM 14** Azad, A.R. & Javeid, G.N. 1978
Carduus tenuiflorus Curtis (Asteraceae) : An addition to the flora of India. *Journ. Bombay Nat. Hist. Soc.* 75 (1) : 249-251. Rec. from Kashmir.
- JKM 15** Bhat, E. 1927-1929
Beautiful flowers of Kashmir. illustrated by Mrs. G.A. Warthen and Halder Joo Walli, Staples & Staples Ltd. Westminster. Vol. I & II. (Second edition 1954).
- JKM 16** Chopra, R.N. & Kapoor, L.D. 1952
Some botanical aspects of Kashmir. *Palaeobot.* 1 : 115-120.

- JKM 17 Coventry, B.O. 1923-1930
Wild Flowers of Kashmir. Vol. 1-3. London.
- JKM 18 Duthie, J.F. 1893
 Report on a botanical tour in Kashmir, 1892. *Rec. Bot. Surv. India* 1 (1) : 1-18.
- JKM 19 Duthie, J.F. 1894
 A botanical tour in Kashmir. *Journ. Bombay Nat. Hist. Soc.* 9 (1) : 69-84.
- JKM 20 Duthie, J.F. 1894
 A botanical tour in Kashmir 1894 (From *Rec. Bot. Surv. India*). *Journ. Bombay Nat. Hist. Soc.* 9 (1) : 102-105.
- JKM 21 Duthie, J.F. 1894
 Report on a botanical tour in Kashmir, 1893. *Rec. Bot. Surv. India* 1 (2) : 25-47, maps.
- JKM 22 Fotidar, A.N. 1961
 Exotics in Kashmir. 10th Silvicultural Conference 2 : 684-690.
- JKM 23 Ivans, J.H.A. 1912
 Notes on the flora of the vale of Kashmir. *Journ. Bombay Nat. Hist. Soc.* 21 (2) : 701-705.
- JKM 24 Jacquemont, V. 1834
Letters from India : describing a journey in the British Dominions of India, Tibet, Lahore and Cashmere during the years 1828, 1829, 1830, 1831. London. 2 vols.
- JKM 25 Javeid, G.N. 1972
 Salicaceae of the Kashmir valley. *Indian Forester* 98 : 649-654.
 Key to 16 spp. *Salix* & 3 spp. *Populus*.
- JKM 26 Javeid, G.N. 1973
 A new *Dianthus* from Kashmir, *Dianthus minimus* sp. nov. (Caryophyllaceae). *Curr. Sci.* 42 : 692-693.
- JKM 27 Javeid, G.N. 1977
 Some new records of tropical plants from the temperate Kashmir Valley. *Journ. Bombay Nat. Hist. Soc.* 74 (3) : 569-570.

- JKM 28 Javeid, G.N. 1979
Forest Flora of Kashmir : A checklist II. *Indian Forester* 105 : 148-170. Gymnosperms to Liliaceae.
- JKM 29 Kachroo, P. 1978
A Reflection on Flora of Kashmir. *Biovigyanam* 4 : 13-28.
- JKM 30 Kaul, M.K. 1972
The new plants records for India from Kashmir. *Journ. Bombay Nat. Hist. Soc.* 69 (1) : 229-230. *Phacelia tanacetifolia* Benth. & *Sideritis montana* Linn.
- JKM 31 Kaul, M.K. (1972) 1975
Senecio vulgaris Linn. —a fast spreading exotic weed of crop fields and orchards in Kashmir. *Bull. Bot. Surv. India* 14 (1-4) : 161-163.
- JKM 32 Kaul, M.K. 1975
New plant records for India from Kashmir II. *Journ. Bombay Nat. Hist. Soc.* 72 (2) : 609-612. 2 new rec.
- JKM 33 Kaul, M.K. (1975) 1976
Contributions to the umbellifers of Kashmir. *Journ. Bombay Nat. Hist. Soc.* 72(3) : 692-715. Key to 25 gen. and spp., local names, distrib., notes.
- JKM 34 Kaul, M.K. (1976) 1979
The genus *Crupina* —an addition to Indian Compositae. *Bull. Bot. Surv. India* 18 (1-4) 224. *C. vulgaris* Cass.
- JKM 35 Kohli, P.N. 1939
Occurrence of two plants in Kashmir. *Journ. Bombay Nat. Hist. Soc.* 40 (4) : 777.
- JKM 36 Koul, S.C. 1941
Some wild flowers of Kashmir and indigenous use. *Journ. Bombay Nat. Hist. Soc.* 42 (2) : 452-454.
- JKM 37 Krisa, B. 1967
Two new species of *Pyrola* from the Himalayan region of Asia. *Bot. not.* 120 : 423-432, fig. 3.

BOTANICAL SURVEY OF INDIA

- JKM 38 Koul, A.K. & Karibattoo, J.L. 1974
 Shepherd's purse—an edible plant of Kashmir. *Journ. Bombay Nat. Hist. Soc.* 71 (3) : 628.
- JKM 39 Lawrence, W.R. 1895
Valley of Kashmir. London.
- JKM 40 Ludlow, F. 1951
 The Primulas of Kashmir. *Illustr. Journ. Royl. Hist. Soc.* 76 (6) : 191-206.
- JKM 41 Majeed, A., Bakaya (Kachroo), U. & Javeid, G.N. 1978
Wolffia populifera Thomps. and *W. columbiana* Karsten, two new plant records for India (Lemnaceae) *Indian Forester* 104 : 282-215.
- JKM 42 Majeed, A. & Javeid, G.N. 1977
Gallium palustre L. and *Elaeocharis acicularis* (L.) Roem et Schult. —Two new plant records for India. *Journ. Bombay Nat. Hist. Soc.* 74 (1) : 208-210.
- JKM 43 Meebold, A. 1909
 Eine botanische Reise Kashmir. *Engl. Bot. Jahrb.* 43 : Bieb. 99 : 63-90.
- JKM 44 Munshi, A.H. 1981
Polygonum urenistrum Boreau an addition to Indian flora. *Journ. Econ. Tax. Bot.* 2 : 240.
- JKM 45 Munshi, A.H. & Javeid, G.N. (1973) 1976
 A new plant record for India. *Bull. Bot. Surv. India* 15 (3&4) : 278-279. *Rumex conglomeratus* Murray.
- JKM 46 Munshi, A.H. & Javeid, G.N. 1976
Rumex palustris Sm.—a new record for India. *Geobios* 3 (2) : 72, fig. 1.
- JKM 47 Munshi, A.M. (1977) 1978
 An addition to Indian Polygonums from Northern Himalayas. *Journ. Bombay Nat. Hist. Soc.* 74 : 388. *P. pacificum* V. Petr.

- JKM 48 Muthoo, M.K. & Wali, M.K. 1963
Deodar belt of Kashmir. *Indian Forester* 89 : 716-726.
- JKM 49 Muthoo, M.K. & Wali, M.K. 1965
Deodar belt of Kashmir, its occurrence and ecology. *Indian Forester* 91 : 443-453, phot. 1-17, fig. 1-5.
- JKM 50 Naqshi, A.R. 1981
Alternanthera caracasana Kunth (Amaranthaceae) from Indian subcontinent. *Journ. Econ. Tax. Bot.* 2 : 249-250.
- JKM 51 Naqshi, A.R. & Javeid, G.N. (1977) 1978
Two new plant records for India. *Journ. Bombay Nat. Hist. Soc.* 74 : 393-394.
- JKM 52 Persoon, C. 1938
A list of flowering plants from East Turkestan and Kashmir. *Bot. Not.* 1938 : 267-317.
- JKM 53 Puri, G.S. 1948
The flora of Karewa series of Kashmir and its phytogeographical affinities with chapters on the method of identification. *Indian Forester* 74 : 105, 152, 210 & 240.
- JKM 54 Rao, T.A. 1961
A botanical tour in Kashmir State. *Rec. Bot. Surv. India* 18(2) : 1-67, map, photo. 14. Enum.
- JKM 55 Rau, M.A. & Rao, T.A. (1960) 1961
Some plant records : III. *Bull. Bot. Surv. India* 2(3 & 4) : 425-426.
- JKM 56 Royle, J.F. 1833-1840
Illustrations of the Botany and Other Branches of the Natural History of the Himalayan Mountains and of the Flora of Kashmir. London.
- JKM 57 Royle, J.F. 1842
Observations on the vegetation and products of Afghanistan, Kashmir and Tibet. In : G.T. Vigne's *Travel in Kashmir, Ladakh, Iskardo* 2 : 440-462. London.

- JKM 58 Singh, G. (1970) 1972
Three new plant records for Kashmir. *Bull. Bot. Surv. India* 12(1-4) : 268-269. *Arenaria festucoides* Benth., *Trifolium dubium* Sibth. & *Senecio vulgaris* Linn.
- JKM 59 Srinivasan, K.S. 1961
Some aspects of medicinal plant resources of Indian union and Kashmir. *Pakistan Journ. Sci. & Ind. Res.* 4 : 79-199.
- JKM 60 Srinivasan, K.S. (1972) 1975
New records of Flowering plants for Kashmir. *Pakistan Journ. Sci. & Ind. Res.* 14(1-4) : 151-152. 8 new rec.
- JKM 61 Srinivasan, K.S. 1972
Two new plant record for Kashmir valley. *Journ. Bombay Nat. Hist. Soc.* 69(3) : 680-681.
- JKM 62 Singh, S. 1929
Effect of climate on the conifers of Kashmir. *Indian Forester* 55 : 189-203.
- JKM 63 Srinivasan, K.S. & Subba Rao, G.V. 1961
Some sidelights on medicinal plant resources of Indian Union & Kashmir. *Pakistan Journ. Sci. & Ind. Res.* 4 : 179-201.
- JKM 64 Stewart, R.R. (1967) 1968
Grasses of Kashmir. *Bull. Bot. Surv. India* 9(1-4) : 114-133. Enum., notes.
- JKM 65 Stewart, R.R. (1967) 1968
Cyperaceae of Kashmir a check list. *Bull. Bot. Surv. India* 9(1-4) : 152-162. List of spp.
- JKM 66 Stewart, R.R. 1972
An annotated catalogue of vascular plants of West Pakistan and Kashmir. In : Nasir & Ali, *Flora of West Pakistan* 1028 pp. Karachi.
- JKM 67 Thakur, H. & Javid, G.N. (1980) 1981
Arthraxon neeholdii Stapf. a grass new to Kashmir. *Journ. Bombay Nat. Hist. Soc.* 77(2) : 363-364.

- JKM 68 Thakur, H. & Javeid, G.N. (1980) 1981
Pennisetum pedicellatum Trin. a new fodder grass addition.
Journ. Bombay Nat. Hist. Soc. 77(3) : 536-537.
- JKM 69 Vishnu-Mittre & Sharma, B.D. 1966
 Studies of post glacial vegetational history from the Kashmir valley I. Haigam Lake. *Palaeobotanist* 15(1 & 2) : 185-212.
- JKM 70 Viswanathan, M.V. & Mankad, N.R. 1984
 Medicinal plants of Ladakh (J. & K.). *Journ. Econ. Tax. Bot.* 4 (2) : 401-407.
- JKM 71 Wafai, B.A. & Singh, G. 1972
Balanophora involucreata Hook. f. & Thoms. : The first record of Balanophoraceae for Kashmir Valley. *Indian Forester* 98(2) : 130
- JKM 72 Wiltshire, E.P. 1953
 Narrative of a trek and of Natural History observation in Kashmir in May-June, 1942. *Journ. Bombay Nat. Hist. Soc.* 51(4) : 825-838.
- JKM 73 Wright, H.L. 1931
 The Forests of Kashmir. *Empire For. Journ.* 10 : 182-289.

Doda (District)

- JKM 74 Singh, G. & Wafai, B.A. 1971
 Some additions to the list of plants of Doba district of Jammu & Kashmir. *Bull. Bot. Surv. India* 13(3 & 4) : 290-291. List of 56 spp.

Karewa

- JKM 75 Cunningham, J.D. (1844)
 See under Ladakh.
- JKM 76 Furi, G.S. 1948
 The flora of Karewa series of Kashmir and its phytogeographical affinities with chapters on the method of identification. *Indian Forester* 74 : 105, 152, 210 & 240.

Ladakh

- JKM 77 Cunningham, J.D. (1844)
Notes on Moorcroft's travel in Ladakh and on Gerard's account of Kanwar including a general description of the latter district. *Journ. Asiat. Soc. Bengal* 13 : 172-253.
- JKM 78 Durrani, P.K., Singh, G. & Kachroo, P. 1975
Phytosociological studies on vegetation of Ladakh desert. *Ann. Arid Zone* 14 : 75-86.
- JKM 79 Gupta, B.K. 1970
Studies in the genus *Cymbopogon* Spreng IV. a new species from Ladakh. *Proc. Indian Acad. Sci.* 71B : 9-12. *C. ladakhensis* B.K. Gupta.
- JKM 80 Kachroo, P., Sapru, B.L. & Dhar, U. 1977
Flora of Ladakh. Dishesn Singh Mahendra Pal Singh. Dehra Dun, India. pp. X+172.
- JKM 81 Kashyap, S.R. 1921
See under Kashmir.
- JKM 82 Sapru, B.L. & Kachroo, P. 1977
Bio-spectral analysis of Ladakh vegetation. *Journ. Bombay Nat. Hist. Soc.* 74(Suppl.) : 621-639. Discussion on veg. and plant list.
- JKM 83 Singh, G. & Gohil, R.N. 1976
Some new records of the flora of Ladakh. *Journ. Bombay Nat. Hist. Soc.* 73(3) : 487-490. 45 new rec.
- JKM 84 Srivastava, T.N., Shah, N.C., Badola, D.P. & Gupta, O.P. 1981
New records of flowering plants for Ladakh-I. *Indian Journ. Forestry* 4(2) : 138-141. 33 new rec.
- JKM 85 Stewart, J.L. 1869
Notes on a botanical tour in Ladakh and Western Tibet. *Trans. Bot. Soc. Edinburgh* 10 : 207-239.

JKM 86 Stewart, R.R. 1916

The flora of Ladakh, Western Tibet I. Discussion of the flora. *Bull. Torrey Bot. Cl.* 43 : 571-590, fig. 2 ; *ibid.* II. List of Ladakh plants. *Bull. Torrey Bot. Cl.* 43 : 625-650. A history of the exploration of the region, its floristics and plant list.

JKM 87 Wadhwa, B.M. & Uniyal, B.P. 1980

Bromus danthoniae Trin. an interesting plant from Ladakh (J. & K. State). *Indian Journ. Forestry* 3 (1) : 29-30.

Lolab Valley

JKM 88 Wali, M.K. 1966

Life forms and biological spectrum of Lolab Valley, Kashmir, in relation to climate. *Journ. Bombay Nat. Hist. Soc.* 63(1) : 115-122.

JKM 89 Wali, M.K. & Tiku, S.N. (1964) 1965

Contribution to the flora of Kashmir-Lolab Valley. *Bull. Bot. Surv. India* 6(2-4) : 141-149, fig. 6. List of 246 spp.

Mahadev Range

JKM 90 Munshi, A.K. 1977

An addition to Indian Polygonums from Northern Himalayas. *Journ. Bombay Nat. Hist. Soc.* 74(2) : 388-389. *P. pacificum* V. Petr.

Nilag Forest

JKM 91 Koul, A. & Kachroo, P. 1980

Life form and biological spectrum of Nilag forest (Kashmir Himalaya). *Pro. 67th Indian Sci. Congr.* 3 : 91

Ramnagar

JKM 92 Gupta, B.K. 1970

Studies in the genus *Cymbopogon* Spreng. V A. new species of *Cymbopogon* from Ramnagar. *Proc. Indian Acad. Soc.* 71B : 86-89. *C. ramnagarensis* B.K. Gupta.

Seojdhar

JKM 93 Sarin, Y.K. & Gupta, S. (1967) 1968

A note on the occurrence of *Aconitum deinorrhizum* Stapf. in north west Himalaya. *Bull. Bot. Surv. India* 9(1-4) : 282-283.

Shankaracharya Hills (Srinagar)

JKM 94 Kaul, M.K. 1971

Flowering plants of Shankaracharya Hills, Srinagar, Kashmir. *Bull. Bot. Surv. India* 13 : 236-243. Enum. 204 spp.

Sindh Forest Division

JKM 95 Kapoor, L.D., Chopra, K.N. & Chopra, I.C. 1951

Survey of Economic Vegetable products of Jammu and Kashmir I. Sindh Forest Division. *Journ. Bombay Nat. Hist. Soc.* 50 : 101-127.

Srinagar

JKM 96 Bhattacharya, Sunanda (1978) 1979

Polypogon hissaricus (Roshev.) Bor first record for India. *Bull. Bot. Surv. India* 20(1-4) : 183-185.

JKM 97 Dutta, A.K., Sarin, Y.K. & Kapoor, L.D. 1964

Vegetation of Srinagar (Kashmir Valley) with special reference to ecological habitat. *Proc. Nat. Inst. Sci. India* 30B : 150-160.

JKM 98 Javeid, G.N. 1968

Flora of Srinagar : Part II. Ranunculaceae to Ceratophyllaceae. *Kash. Sci.* 5(1-2) : 59-77.

JKM 99 Kaul, M.K. 1971

See under Shankaracharya Hills.

JKM 100 Kaul, V. & Zutshi, D.P. 1967

Study of aquatic and marshland vegetation of Srinagar. *Proc. Nat. Inst. Sci. India* 33B : 111-127.

- JKM 101 Meher-Homji, V.M. 1971
The Climate of Srinagar and its variability. *Geogr. Res. India* 33(1) : 1-14.
- JKM 102 Oza, G.M. & Singh, G. 1973
Valerianella locusta (Linn.) Laterrade—a new record for India. *Journ. Bombay Nat. Hist. Soc.* 70(3) : 593-594.
- JKM 103 Singh, G. & Kachroo, P. 1976
Forest Flora of Srinagar and plants of neighbourhood. Bishen Singh Mahendra Pal Singh, Dehra Dun. pp.X + 210. illustr., maps.

GENERAL ADDITIONS

- JKM 104 Bhattacharyya, U.C. & Uniyal, B.P. 1985
Kengla nutica (Keng) Packer (Poaceae) —A new record for India. *Journ. Econ. Tax. Bot.* 7 (1) : 235-236, photo 1.
- JKM 105 Dar, G.H. *et al.* 1984
Ethnobotany of Kashmir—1. Sind Valley. *Journ. Econ. Tax. Bot.* 5 (3) : 668-675. Enum. 57 spp./34 fam., notes.
- JKM 106 Farooq, S., Koul, K.K. & Chrungoo, N.K. 1985
Composition of the corms and foliage of saffron Crocus (*Crocus sativus* L.) with particular reference to starch quality and content in corms. *Journ. Econ. Tax. Bot.* 6 (2) : 485-489.
- JKM 107 Ghildyal, N. 1984
On the occurrence of *Carex brownii* (Cyperaceae) in India. *Journ. Econ. Tax. Bot.* 5 (2) : 487-488.
- JKM 108 Ghosh, R.B. 1984
A taxonomic survey and systematic census of the Primula—flora in Kashmir. *Journ. Econ. Tax. Bot.* 5 (2) : 329-333. Enum. 22 spp.
- JKM 109 Gupta, V.C. & Kachroo, P. 1985
Forest flora of Pir Panjal (Western Himalaya) : *Journ. Econ. Tax. Bot.* 6 (2) : 365-396. Discussion, list of plants.

- JKM 110 Huxley, A. 1977
Mountain flowers of Kashmir. *Garden* (London) 102 (11) : 447-454.
- JKM 111 Kak, A.M. 1984
Aquatic and waterland flora of the north western Himalaya—XXII. Aquatic Cyperaceae of North Western Himalaya. *Journ. Econ. Tax. Bot.* 5 (3) : 687-703. Enum. 45 spp.
- JKM 112 Kak, A.M. & Javeid, G.N. 1975
A new plant record for India. *Bidens minima* Huds. *Curr. Sci.* 44 (17) : 644.
- JKM 113 Kapoor, S.K. & Sarin, Y.K. 1984
Studies on the Oak vegetation of Trikuta hills (J. & K. State). *Journ. Econ. Tax. Bot.* 5 (5) : 1105-1112.
- JKM 114 Kapoor, S.K. & Sarin, Y.K. 1984
Plant resources exploitation and their utilization in Trikuta hills of Jammu Province (J. & K. State). *Journ. Econ. Tax. Bot.* 5 (5) : 1143-1158. Discussion, list of plants in tabular form.
- JKM 115 Kapoor, S.K. & Sarin, Y.K. 1985
Studies of life from classification and biological spectrum of the flora of Trikuta hills. *Journ. Econ. Tax. Bot.* 6 (3) : 515-522. list of 522 vascular plants.
- JKM 116 Kapoor, S.K. & Sarin, Y.K. 1985
Factors affecting distribution of vegetation in Jammu Himalayas. *Journ. Econ. Tax. Bot.* 6 (3) : 679-690. Discussion, tab. 4, figs. 4.
- JKM 117 Kaul, M.K., Bhatia, A.K. & Atal, C.K. 1985
Ethnobotanic studies in north-west and trans-Himalaya-contribution to the wild food plants of Ladakh. *Journ. Econ. Tax. Bot.* 6 (3) : 523-527.
- JKM 118 Kirn, H.S. & Naithani, H.B. 1984
Trifolium campestre Schreb. (Fabaceae)—a taxon new to Indian subcontinent. *Journ. Econ. Tax. Bot.* 5 (5) : 1169-1170.
- JKM 119 Naqshi, A.R. & Javeid, G.N. 1984
Drabopsis brevisiliqua (Cruciferae)—a new species from Kashmir. *Journ. Econ. Tax. Bot.* 5 (4) : 963-966, fig. 1.

JKM 120 Naqshi, A.R. *et al.* 1984

Plants of Gulmarg (Kashmir). *Journ. Econ. Tax. Bot.* 5 (3) : 709-741, figs. 2. List of plants.

JKM 121 Rau, M.A. & Rao, T.A. [1959-1961]

Some plant records I. *Bull. Bot. Surv. India* 1 : 142-143, 1959; Some plant records II & III. *Bull. Bot. Surv. India* 2 : 43-44, 425-426, 1960; Some plant records IV. *Bull. Bot. Surv. India* 3 : 29-30, 1961.

JKM 122 Sharma, B.M. & Kachroo, P. 1981

Flora of Jammu and plants of neighbourhood. Bishen Singh Mahendra Pal Singh, Dehra Dun, 1 : i+vi+1-413, figs. 4.

JKM 123 Vir, Jee *et al.* 1984

Taxo-ethnobotanical studies of the rural areas in district Rajouri (Jammu). *Journ. Econ. Tax. Bot.* 5 (4) : 831-838. Notes on medicinal, food, fodder, fuel use etc.

KARNATAKA

Karnataka (Capital Bangalore) can be physiographically divided into four distinct regions : 1) the Coastal region consisting of the western part of North Kanara and South Kanara, 2) the Mainland lying east of the Western Ghats consisting of hill ranges of an average height of 900 m of hot and wet climate, 3) the Northern plains and 4) the Southern plains. Two important rivers of the State, Krishna and Kavery with its tributaries flowing eastwards. Other smaller rivers flowing westwards are Kalindi, Netraveli, Sharavti.

The State is divided into 19 districts as follows :

- (1) Bangalore : 8005 sq. km. ; population 4921828 ; Dist. Hq. Bangalore.
- (2) Belgaum : 13415 sq. km. ; population 2974861 ; Dist. Hq. Belgaum.
- (3) Bellary : 9885 sq. km. ; population 1487062 ; Dist. Hq. Bellary.
- (4) Bijapur : 17069 sq. km. ; population 2399124 ; Dist. Hq. Bijapur.
- (5) Bidar : 5448 sq. km. ; population 994106 ; Dist. Hq. Bidar.
- (6) Chickmagalur : 7201 sq. km. ; population 908626 ; Dist. Hq. Chickmagalur.

- (7) **Chitradurga** : 10852 sq. km. ; population 1774717 ; Dist. Hq. Chitradurga.
- (8) **Coorg** : 4102 sq. km. ; population 460164 ; Dist. Hq. Mercara.
- (9) **Dharwar** : 13738 sq. km. ; population 2939988 ; Dist. Hq. Dharwar.
- (10) **Gulbarga** : 16224 sq. km. ; population 2075368 ; Dist. Hq. Gulbarga.
- (11) **Hassan** : 6814 sq. km. ; population 1351923 ; Dist. Hq. Hassan.
- (12) **Kolar** : 8223 sq. km. ; population 1898984 ; Dist. Hq. Kolar.
- (13) **Mandya** : 4961 sq. km. ; population 1414383 ; Dist. Hq. Mandya.
- (14) **Mysore** : 11954 sq. km. ; population 2584878 ; Dist. Hq. Mysore.
- (15) **North Kanara** : 10291 sq. km. ; population 1071243 ; Dist. Hq. Karwar.
- (16) **Raichur** : 14017 sq. km. ; population 1779942 ; Dist. Hq. Raichur.
- (17) **Shimoga** : 10553 sq. km. ; population 1657564 ; Dist. Hq. Shimoga.
- (18) **South Kanara** : 8441 sq. km. ; population 2373359 ; Dist. Hq. Mangalore.
- (19) **Tumkur** : 10598 sq. km. ; population 1975331 ; Dist. Hq. Tumkur.

Vegetation and Important Floristic Elements

The vegetation of the state can be broadly divided into three parallel categories namely (1) evergreen that is seen at an altitude ranging from 600-1000 m, (2) wet deciduous and 3) dry deciduous that ranges between 1000-1800 m or more. These three major types are accompanied by grassy meadows and shola type vegetation those are found in sheltered valleys. Important floristic elements are as follows :

- (1) **Evergreen belt** : *Calophyllum apetalum*, *Hopea wightiana*, *Holigarna grahamii*, *Olea dioica*, *Lophopetalum wightianum*, *Polyalthia coffeoides*, *Dysoxylum malabaricum*, *Mesua nagassarum*, *Artocarpus hirsutus*, *Kingiodendron pinnatum*, *Lagerstroemia microcarpa*,

Terminalia paniculata, *Mallotus philippinensis*, *Valeria indica*, *Persea macrantha*, *Palaquium ellipticum* etc.

(2) **Deciduous belt** : *Dillenia pentagyna*, *Terminalia belerica*, *T. alata*, *T. paniculata*, *Dalbergia cordifolia*, *Kydia calycina*, *Lagerstroemia microcarpa*, *Bombax ceiba*, *Tectona grandis*, *Pterocarpus marsupium*, *Xylia xylocarpa* etc.

(3) **Dry deciduous belt** : *Sterculia urens*, *Acacia chundra*, *Bombax ceiba*, *Hardwickia binata*, *Anogeissus latifolia*, *Tectona grandis*, *Chloroxylon swietenia*, *Madhuca longifolia*, *Pterocarpus marsupium*, *Strychnos potatorum*, *Aegle marmelos*, *Flacourtia indica*, *Santalum album*, *Buchanania lanzan*, *Cissia fistula*, *Capparis divaricata*, *Canthium parviflorum*, *Euphorbia antiquorum*, *Dodonaea viscosa*, *Cassia auriculata*, *Wrightia tinctoria* etc.

Rare, Threatened and Endemics

The different topography, soil, climate and other factors in one hand support varied types of vegetation in this state, also include a number of endemic flora on the other. Some plants getting vulnerable or are becoming restricted to smaller and smaller areas.

Abutilon ramosum, *Aglaia canarensis*, *Asparagus asiaticus*, *Aspidopterys canarensis*, *Beilschmedia bourdillonii*, *Blachia reflexa*, *Bulbophyllum mysorensis*, *Capparis rotundifolia*, *Centratherum mavurii*, *C. tenue*, *Cephalostigma flexuosum*, *Ceropegia barnevi*, *Cinnamomum riparium*, *Crotalaria filipes*, *C. lutescens*, *C. sandooensis*, *Cryptocoryne congesta*, *Curcuma montana*, *Decaschistia triloba*, *Euonymus angulata*, *Eriocaulon dalzellii*, *E. margaretae*, *Garcinia talbotii*, *Hopea jacobii*, *Hedyotis stocksii*, *Ixora lawsonii*, *Hygrophila pinnatifida*, *Hydrobryopsis sessilis*, *Isachne gracilis*, *Impatiens barberi*, *I. dendricola*, *I. nataliae*, *I. stocksii*, *Justicia salsoloides*, *Litsaea mysorensis*, *Lagerstroemia thomsonii*, *Momordica subangulata*, *Murdannia versicolor*, *Myristica malabarica*, *Neanotis carnosus*, *N. montholonii*, *Nilgiritanthus campanulatus*, *Pancreatium parvum*, *Paracarvum coelastinum*, *Phlebophyllum canaricum*, *Rapanea striata*, *Rungia linifolia*, *Rhynchosstylis latifolia*, *Schultzia benthami*, *Senecio dalzellii*, *S. mavurii*, *Stenostaphoneum setosum*, *Tephrosia pentaphylla*, *Wendlandia lawii*, *Zingiber cernuum*.

By far the most important source of economy is agriculture based. Important food crops are ragi, jawar, millets and maize and the non food crops are coffee, cardamom, arecanut, safflower, cotton and groundnut. Forests are found mostly in the hilly regions of western districts. These

forests produce a variety of timbers like teak, rosewood, sandalwood various soft wood and bamboos. The sandalwood oil extracted from sandalwood play a significant role in the economy. The most important mineral that strengthen the economy of the state are iron ore, gold and silver. Other important minerals are mangaanese, magnesite, asbestos, bauxite, corundrum. Leading industries in the state are forest as well as mineral based.

Sanctuaries, National Parks and Tiger Reserves

- (1) **Arabithitu Game Reserve** : Mysore Dist. ; 13.50 sq. km. ; tropical mixed deciduous ; important faunal representatives are spotted deer, wild boar, porcupine, hare, jackal, fox, partridge, peafowl.
- (2) **Bandipur National Park** : Mysore Dist. ; 874.20 sq. km. ; vegetation is tropical mixed deciduous and semi-evergreen type. Elements of mixed deciduous type are *Emblia officinalis*, *Mitragyna parvifolia*, *Hymenodictyon excelsum*, *Terminalia belerica*, *Crotalaria verrucosa*, *Clerodendrum serratum*, *Melochia corchorifolia*, *Cryptolepis buchanani*. The semi-evergreen type is characterised by *Ligustrum walkeri*, *Ficus glomerata*, *Syzygium cumini*, *S. malabaricum*, *Pogostemon pubescens*, *Xenacanthus pulneyensis*, *Artemisia nilagirica*, *Dendrocalamus strictus* etc. with various epiphytes like *Coelogyne breviscapa*, *Dendrobium aqueum*, *Liparis viridiflora*, *Cirrhopetalum fimbriatum*.

Important faunal representatives are tiger, leopard, elephant gaur, sambar, spotted deer, barking deer, sloth bear.
- (3) **Bannerghatta National Park** : Bangalore Dist. ; 104.60 sq. km. ; tropical mixed deciduous ; important faunal representatives are elephant, sambar, spotted deer, peafowl.
- (4) **Bhadra Wild Life Sanctuary** : Shimoga and Chickmagalur Dists. ; 506.00 sq. km. ; tropical moist deciduous forest, important faunal representatives : leopard, elephant.
- (5) **Biligiri Rangaswamy Wild Life Sanctuary** : Mysore Dist. ; 324.40 sq. km. ; tropical mixed deciduous ; faunal representatives : leopard, elephant.
- (6) **Brahmagiri Wild Life Sanctuary** : Coorg Dist. ; 181.79 sq. km. ; tropical moist deciduous type ; faunal representatives : tiger panther, flying squirrel.
- (7) **Dandeli Game Sanctuary** : Dharwar Dist. ; 572.90 sq. km. tropical wet and semi-evergreen ; important faunal representatives are tiger, leopard, gaur, elephant.

- (8) **Ghataprabha Bird Sanctuary** : Belgaum Dist. ; 29.78 Sq. Km ; tropical wet mixed-deciduous-waterland ; faunal representatives : water birds.
- (9) **Melkote Temple Wild Life Sanctuary** : Mandya Dist. ; 49.82 sq. km. ; tropical mixed deciduous ; important faunal representatives are leopard, wolf, sloth bear.
- (10) **Mokambika Wild Life Sanctuary** : Shimoga Dist. ; 254.09 sq. km. ; tropical moist deciduous ; important faunal representatives : leopard, elephant, sambar.
- (11) **Nagarhole National Park** : Mysore-Coorg Dists. ; 571.55 sq. km. ; tropical moist deciduous ; important faunal representatives : tiger, leopard, sambar, barking deer, elephant.
- (12) **Naga Wild Life Sanctuary** : Mysore Dist. ; 30.32 sq. km. ; tropical mixed deciduous ; faunal representatives are tiger, elephant.
- (13) **Ranebennur Black Buck Sanctuary** : Dharwar Dist. ; 119.00 sq. km. ; tropical dry deciduous grasslands ; important faunal representatives are black buck, great Indian bustard.
- (14) **Ranganthitoo Bird Sanctuary** : Mysore Dist. ; 26.67 sq. km. ; tropical mixed deciduous-waterland ; important faunal representatives : water birds, duck, teal, pelicans, migratory waders.
- (15) **Sharavathy Valley Wild Life Sanctuary** : Shimoga Dist. ; 442.67 sq. km. ; tropical mixed deciduous ; important faunal representation : tiger, leopard, elephant, four-horned antelope.
- (16) **Shettihalli Wild Life Sanctuary** : Shimoga Dist. ; 405.86 sq. km. ; tropical mixed deciduous ; important faunal representatives : leopard, elephant.
- (17) **Someshwara Wild Life Sanctuary** : Shimoga Dist. ; 90.86 sq. km. ; tropical moist deciduous ; important faunal representatives are tiger, leopard, gaur, sambar, spotted deer.
- (18) **Tungabhadra Wild Life Sanctuary** ; Shimoga Dist. ; 224.22 sq. km. ; tropical dry deciduous ; important faunal representatives are leopard, four-horned antelope, chinkara.

General

- KAR 1 Ansari, M.Y., Sundara Raghavan, R. & Hemadri, K. 1970
Chlorophytum bharuchae Ansari, Raghavan et Hemadri—a new species of Liliaceae from Western Ghats. *Indian Forester* 96 : 304-306, fig. 10. Descr., compared with *C. allenuratum*.
- KAR 2 Ansari, M.Y. & Rao, R.S. (1978) 1979
 Two new species of the grasses *Iphigenia* Kunth. (Liliaceae) from Western Ghats (India). *Bull. Bot. Surv. India* 20(1-4) : 162-164. *I. sahyadrica* Ansari et Rolla Rao from Karnataka.
- KAR 3 Bahadur, K.N. & Naithani, H B. 1973
 New distributional records of *Richardia scabra* Linn. in India. *Indian Forester* 99 : 449-453, photo 2, fig. 6. Synonymy, descr., distrib., ecol., uses from Karnataka.
- KAR 4 Bharati, S.G. & Shivalingaradhya, M.V. 1966
 Flora of Karnataka University Campus and its immediate environs. *Journ. Karnataka Univ.* 11 : 183-206.
- KAR 5 Bhaskar, V. & Raji, B.A. (1982) 1983
 Two more new species of *Impatiens* L. from South India. *Journ. Bombay Nat. Hist. Soc.* 79(2) : 382-384. *I. agumbeana* & *I. raziana*. Descr. Pl. 1.
- KAR 6 Bhat, K.G., Dinesh, M.S. & Nagendran, C.S. 1985
Euphorbia tortilis Rottl. ex Wight A new record for Karnataka. *Journ. Bombay Nat. Hist. Soc.* 8(3) : 733-734.
- KAR 7 Deshpande, U.R. & Singh, N.P. 1976
Lepturus radicans (Steud) A. Camus. new record for India. *Curr. Sci.* 45 : 873. Rec. from Karnataka.
- KAR 8 De Souza, Leo 1956
 Check list of the Herbarium. *Coll. Agr. Tech. Bull.* No. 2. ii + 45. Bangalore.
- KAR 9 Fischer, C.E.C. 1939
 New or little known plants from Southern India. XI. *Bull. Misc. Inf. Kew.* 1939 : 659-662.

KAR 10 Gamble, J.S. 1884

A short account of the forests of the Northern Forest Circle, Madras Presidency. *Indian Forester* 10 : 543-553.

KAR 11 Govindappa, D.A. & Nagendran, C.R. 1974

Additional notes on *Farmeria indica* Willis. *Proc. Ind. Acad. Sci.* 80B : 226-228.

KAR 12 Govindappa, D.A. & Ramakrishnan, T.M. 1978

Twin pollinia in *Ceropegia* Linn. (Asclepiadaceae). *Curr. Sci.* 47 : 636-638.

KAR 13 Govindappa, D.A. & Shivamurthy, G.R. 1975

Balanophora abbreviata Blume in Karnataka. *Curr. Sci.* 44 : 96-97.

KAR 14 Govindarajalu, E. 1973

Studies in Cyperaceae-9. Novelties in *Fimbristylis* (L.) Vahl. *Proc. Indian Acad. Sci.* 79B : 45-58, fig. 4. *F. semidisticha* from Tamil Nadu & Karnataka.

KAR 15 Govindarajalu, E. 1974

Studies in Cyperaceae-11. Novelties in *Fimbristylis* (L.) Vahl. *Proc. Indian Acad. Sci.* 79B : 160-172, fig. 4. *F. monospicula* from Tamil Nadu & Karnataka.

KAR 16 Govindarajalu, E. 1975

Studies in Cyperaceae-13. Novelties in Cyperaceae (L.) Vahl subgen. *Pycneus* (Beauv.) C.B. Clarke. *Proc. Indian Acad. Sci.* 81B : 187-196, fig. 4. *C. atroglumosa* & *C. plurinodosa* from Karnataka.

KAR 17 Govindu, H.C. 1951

Study of weeds on our farm lands. *Mysore Agric. Journ.* 26 : 54-56.

KAR 18 Hosamani, H.M. 1978

Striga (a noxious root parasite). i-ii | 1-165. U.S.A. Publication, Bangalore.

KAR 19 Jain, S.K. 1969

Disappearance of wild life species, a suggestion for inhibiting changes of their extinction. *Myforest* 6(1) : 1-8.

- KAR 20 Jain, S.K. 1975
On the control of *Loranthus* species by chemical therapy. *Lal-Bagh* 20(2 & 3) : 23-29.
- KAR 21 Jain, S.K. & Sundara Raghavan, R. (1967) 1968
Scleria africana Benth. (Cyperaceae) new record for India. *Bull. Bot. Surv. India* 9 : 301, fig. 4., descr., notes.
- KAR 22 Kadambi, K. 1942
The evergreen ghat rain forest of Tunga and Bhadra. *Indian Forester* 68 : 233-240.
- KAR 23 Kadambi, K. 1942
The evergreen ghat rain forest of the Tunga and Bhadra sources II. *Indian Forester* 68 : 305-312.
- KAR 24 Kallapur, S.K. 1959
Bee flora of Karnataka and Kerala. *Indian Bee. Journ.* 21 : 90-92.
- KAR 25 Karthikeyan, S. (1980) 1982
A synopsis of the unawned grasses of former Madras Presidency. *Bull. Bot. Surv. India* 22(1-4) : 91-95. Key to 65 genera of unawned grasses.
- KAR 26 Khader Hussain, M. 1974
Flora and Fauna of Karnataka. Part I. General and types of forests. Evergreen. *Myforest* 10(3) : 11-19.
- KAR 27 Khader Hussain, M. 1975a
Flora and Fauna of Karnataka. Part. II. Fauna and evergreen forests. *Myforest* 10(4) : 3-16.
- KAR 28 Khader Hussain, M. 1975b
Flora and Fauna of Karnataka. Part III. Mixed deciduous forests and fauna. *Myforest* 11(1) : 3-14.
- KAR 29 Khader Hussain, M. 1975c
Flora and Fauna of Karnataka. Part IV. Dry deciduous forests and fauna. *Myforest* 11(2) : 55-66.

KAR 30 Khader Hussain, 1975d

Flora and Fauna of Karnataka. Part V. Dry deciduous forests, fauna, conclusions. Bibliography. *Myforest* 11(3): 105-108.

KAR 31 Ladwa, H.R. 1962

Ecological observations on the orchids of North Karnataka. *Journ. Bombay Nat. Hist. Soc.* 59(1): 327-329. Discussion.

KAR 32 Ladwa, H.R. & Patil, R.M. 1959

A new plant record for India *Erigeron floribundus* (H.B.K.) Sch. Bip. *Journ. Bombay Nat. Hist. Soc.* 56: 673-675, fig. 1., tab. 1., descr.

KAR 33 Maheshwari, J.K. 1973

Noogoora burr (*Xanthium pungens*) in India. *Curr. Sci.* 42: 327-328. From A.P., Gujarat & Karnataka, descr., distrib., synonymy, notes.

KAR 34 Malhotra, S.K. & Moorthy, S. 1981

A note on the occurrence of *Crotalaria acicularis* Buch. Ham. in Karnataka and Maharashtra. *Journ. Bombay Nat. Hist. Soc.* 78(3): 637-639.

KAR 35 Naik, V.N. 1973

Arundinella ciliata (Roxb) Nees ex Miq. a new record for erstwhile Bombay State. *Bull. Bot. Surv. India* 15: 131-132.

KAR 36 Nair, V.J. & Nair, N.C. (1981) 1983

Studies on the grass flora of Erstwhile Madras Presidency a review. *Bull. Bot. Surv. India* 25(1 & 2): 79-81.

KAR 37 Nanjunadaiah, G.S. 1951

A brief account of the development of gardens of Karnataka University Campus. *Lal Bagh* 6(4): 15-18.

KAR 38 Narayana, M.R., Manjunath, T.R. & Range Gowda, D. 1966

Aromatic plants an ecological study of forest. *Myforest* 3(4): 19-22.

- KAR 39 Raghavan, R.S. 1964
Borreria verticillata (L.) G.F.W. Meyer a new record for India. *Curr. Sci.* 33 : 379-380.
- KAR 40 Raghavan, R.S., Deshpande, U.R., & Kulkarni, B.G. 1980
 New and interesting records of Poaceae from Karnataka. *Indian Forester* 106 : 645-648.
- KAR 41 Raghavan, R.S. & Kulkarni, B.G. 1980
 A new species of *Dalechampia* L. (Euphorbiaceae) from Peninsular India. *Kew Bull.* 35 : 323-325.
- KAR 42 Raghavan, R.S. & Rao, R.S. 1965
 Critical notes on three species of *Capparis* L. from Peninsular India. *Journ. Bombay Nat. Hist. Soc.* 62 : 412-424.
- KAR 43 Raghavan, R.S., Singh, N.P., Deshpande, U.R. & Kulkarni, B.G. 1978
 Additions to Poaceae of Karnataka State. *Journ. Bombay Nat. Hist. Soc.* 75(3) : 935-937. 12 new rec.
- KAR 44 Rai, S.N. 1978
Nursery and planting of some tropical evergreen and semi-evergreen species. Govt. Karnataka, India. 55 pp. Discussion on 22 spp. for silviculture purposes.
- KAR 45 Rakshit, S.C. & Kundu, B.C. 1961
 New species and varieties of *Hibiscus*. *Sci. & Cult.* 27 : 192-194, fig. 3. *H. beddomei* sp. nov. from South India. *H. hirtus* var. *talbotii* Rakshit var. nov. from Karnataka and Maharashtra.
- KAR 46 Ramaswamy, S.N. 1969
Karnatakada Aranya Krikshagalu. 224+16. Inst. Kar. Studies, Mysore.
- KAR 47 Ramaswamy, S.N. 1973
Huvina Maragalu. Nat. B.K. Trust. New Delhi. Karnada Translation of flowering trees.
- KAR 48 Rao, A.S. 1963
Nerifia crispata (Bl.) Schltr. an interesting ground orchid. *Bull. Bot. Surv. India* 5(1) : 63-65.

- KAR 49 Rao, R.R. & Razi, B.A. 1975
Oxybaphus himalaicus Edgew. a new record. *Geobios* 2 : 196-197.
- KAR 50 Rao, R.S. & Sundara Raghavan, R. 1964
Capparis cleghornii Dunn a species from Southern India (Capparaceae). *Blumea* 12(2) : 313-316.
- KAR 51 Rathakrishnan, N.C. (1971) 1973
Notes on the distribution, taxonomy and nomenclature of some South Indian orchids. *Bull. Bot. Surv. India* 13(1-2) : 1-6. 13 new rec., nomenclatural notes.
- KAR 52 Rathakrishnan, N.C. 1972
Nomenclatural notes in Orchidaceae. *Indian Forester* 98 : 30-31.
- KAR 53 Rathakrishnan, N.C. (1977) 1979
Floristic studies in Karnataka Past, present and future. *Bull. Bot. Surv. India* 19(1-4) : 112-121.
- KAR 54 Rathakrishnan, N.C. & Subramanyam, K. 1978
A contribution towards the collection and conservation of medicinal plants in Karnataka state. *Ind. Drug. Pharm. Ind.* 13(3) : 23-32.
- KAR 55 Rice, L. 1877
Mysore and Coorg. A Gazetteer compiled for the Government of India, Bangalore. (pp. 46-144 on the flora).
- KAR 56 Saldanha, C.J. 1963
The genus *Striga* L. in Western India. *Bull. Bot. Surv. India* 5 : 67-70.
- KAR 57 Saldanha, C.J. 1974
Smithsonia a new genus from Western India. *Journ. Bombay Nat. Hist. Soc.* 71 : 72-75, pl. 2.
- KAR 58 Saldanha, C.J. 1974
Three new orchids from southern India. *Indian Forester* 100 : 566-572, fig. 3. *Eulophia emilioneae*, *Oberonia josephi* & *Phalaenopsis mysorensis*.

KAR 59 Singh, N.P. 1978

A note on grasses new to the flora of Karnataka State. *Ann. Arid Zone*. 17(2) : 255-257.

KAR 60 Singh, N.P. (1979) 1981

On a recollection of a few rare plants from Karnataka. Conservation Suppl. *Bull. Bot. Surv. India* 21(1-4) : 231-234. Recollection of 3 spp.

KAR 61 Singh, N.P. 1982

Additions to the grasses of Karnataka State. *Indian Journ. Forestry* 5(4) : 328-329. Report of 3 spp.

KAR 62 Singh, N.P. 1983

New records for Karnataka State. *Journ. Econ. Tax. Bot.* 4(1) : 177-180. Recds. 8 spp.

KAR 63 Singh, N.P., Deshpande, U.R. & Raghavan, R.S. (1976) 1979

Poaceae of Karnataka State. *Bull. Bot. Surv. India* 18(1-4) : 109-143. Enum. 364 spp. key, 1 new rec. for India, 26 new rec. for Karnataka.

KAR 64 Subramanian, K.N. (1961) 1962

A note on *Centrosema virginianum* (L.) Benth. *Bull. Bot. Surv. India* 3 : 201-203, fig 10. From Kerala & Karnataka, garden escape, descr., *Contra Fl. Mules. Bull.* 4 : 1089. 1963 "the identification is wrong ; it is *C. pubescens* Benth.

KAR 65 Tasneem Fatima, Boraigh, G. & Govindu, H.C. 1974

A check list of plants from the Hebbal Campus and Gandhi Krishi Vignana Kendra. *U.S.A. Tech. Ser. no. 2* : 2-24.

KAR 66 Thirumalachar, M.J., Khan, K.B.A. & Swamy, B.G.L. 1943

A note on the epiphytism in *Heptapleurum venulosum* Seem. *Journ. Bombay Nat. Hist. Soc.* 43 : 276-277.

KAR 67 Venkata Krishnayya, R.S. 1926

Mollika Vaidya Prakashika I-III. Kalanidhi Press, Bangalore.

KAR 68 Venkata Rao, A. & Iyenger, H. Sessa 1940

Osadhi Kosam. Madras Univ. Kannada Ser No. 7.

- KAR 69 Yoganarasimham, S.N. & Nayar, R.C. 1978
Gaultheria fragrantissima Wall. a new record for Karnataka State. *Journ. Res. Ind. Med. Yoga. Homeo.* 13(3) : 84-86.
- KAR 70 Yoganarasimham, S.N. & Nayar, R.C. 1978
Oldenlandia nudicaulis (W. & A.) Roth (Rubiaceae) - a new record for Karnataka State. *Journ. Res. Ind. Med. Yoga. Homeo.* 13(3) : 87-88.
- KAR 71 Yoganarasimham, S.N. & Subramanyam, K. 1975
 On the occurrence of *Blumea hieracifolia* (D. Don.) DC var. *flexuosa* (Cl.) Randeria (Asteraceae) in India. *Curr. Sci.* 44 : 174.
- KAR 72 Yoganarasimham, S.N. & Subramanyam, K. 1976
 New species of *Marsdenia* R. Br. (Asclepiadaceae) from South India. *Pro. Indian Acad. Sci.* 83B : 147-149, fig. 10. *M. raziana* sp. nov.
- KAR 73 Yoganarasimham, S.N. ; Subramanyam, K. & Razi, B.A. 1976
Sonerila pedunculosa Thw. (Melastomataceae) a new record for India. *Curr. Sci.* 45 : 527, fig 1. Descri.
- Agumbe (Shimoga Dist.)**
- KAR 74 Almeida, M.R. (1975) 1976
 A new species of Poaceae (Gramineae) from Karnataka *Journ. Bombay Nat. Hist. Soc.* 72(3) : 813-814, pl. 1. *Capillipedium magdalenae* Almeida. The specific epithet is dedicated to Magdalen, mother of the author.
- KAR 75 Kadambi, K. 1941
 The evergreen Ghat rain forest : Agumbe-Kilandu Zone. *Indian Forester* 65 : 182-203. Pl. 3.
- KAR 76 Krishnaswami, K. 1941
 The evergreen Ghat rain forest : Agumbe Kilandur Zone. *Indian Forester* 67 : 184-203, map 1, photo. 4. Discussion on tropical rain forest.
- KAR 77 Raghavan, R.S. (1981) 1983
 Notes on vegetation and flora of Agumbe. *Bull. Bot. Surv. India* 23(1-2) : 82-89. Vegetational discussion in three major

heads, i) Tropical Rain Forests on the Evergreen Ghat Forest, ii) Moist Deciduous Forests, iii) Aquatic and Semi-Aquatic Flora.

KAR 78 Raghavan, R.S. & Rao, R.S. 1961

Fodder resources of Agumbe Range (Mysore State). *Proc. Second. Annual Sess. Acad. Agric. Sci. Coimbatore* 101-105.

Bababudin Hills (Bababudan hills)

KAR 79 Naithani, H.B. & Raizada, M.B. 1977

New records of some Cyperaceae taxa in India. *India Forester* 103 (6) : 411-424.

Bandipur Reserve Forest

KAR 80 Naithani, B.D. (1966) 1967

Studies on the flora of Bandipur reserve forests, Mysore State. *Bull. Bot. Surv. India* 8 : 252-263.

Bangalore

KAR 81 Black, A.A. 1864

Report on the Mysore Government Gardens at Bangalore for 1863-1864, with a list of plants grown therein. Bangalore.

KAR 82 Cameron, J. 1880

Catalogue of plants in the Botanical Garden, Bangalore and its vicinity. Bangalore (2nd ed. 1891).

KAR 83 Cameron, J. 1887-1889

List of Canarese and technical names of plants growing in Bangalore district. *Ann. Rep. Govt. Gard. Bangalore* : 13-27. 1887-88 ; *Ibid* 25-27. 1888-89.

KAR 84 Govindu, H.C. 1847-48

Some Compositae of Bangalore and their economic importance. *Journ. Mysore Univ.* 8B : 19-32.

KAR 85 Govindu, H.C. 1849

Additions to the flowering plants of Bangalore. *Journ. Mysore Univ.* 10 : 1-8.

- KAR 86 Govindu, H.C. & Venkatesh, C.S. 1946
Enumeration of the flowering plants round about Bangalore.
Journ. Mysore Univ. 7B(3) : 21-38.
- KAR 87 Gowda, M.H.M. 1949
Early History of the Botanical Garden, Bangalore. *Sci. & Cult.* 15 : 181-183.
- KAR 88 Gupta, R. & Banerji, R. 1967
Studies in the taxonomy and ecology of *Burseta delpechiana* Boiss. ex Engl. in India. *Journ. Bombay Nat. Hist. Soc.* 64 : 49-54, tab. 1. Cult. in Bangalore, native of Mexico.
- KAR 89 Raghavan, R.S. & Kulkarni, B.G. 1984
A note on *Terminalia travancorensis* Wt. & Arn. (Combretaceae). *Journ. Econ. Tax. Bot.* 5(1) : 219-220.
- KAR 90 Ramaswamy, S.V., Rao, R.R. & Bhaskar, U. 1972-73
Contributions from the herbarium, Manasa Gangotri, Mysore-6. Notes on some adventive plants of the Bangalore and Mysore districts. *Journ. Mysore Univ.* 25B : 40-44, pl. 1.
- KAR 91 Rao, R.R. & Razi, B.A. (1966) 1967
The genus *Euphorbia* in Bangalore. *Journ. Mysore Univ.* 20B : 17-25.
- KAR 92 Rao, R.R. & Razi, B.A. 1969-70
Genus *Crotalaria* Linn. in Bangalore. *Journ. Mysore Univ.* 23B : 96-104.
- KAR 93 Rao, R.R. & Razi, B.A. 1973
Flora of Bangalore District. pp. L+740, fig. 2, map 1, tab. 2. Director, Prasaraanga, University of Mysore, Manasa Gangotri, Mysore. Key to fam., Gen. & spp., descr., phenology. local names of 979 spp./133 fam.
- KAR 94 Rathakrishnan, N.C. & Chitra, V. 1984
Distribution of endemic orchids in Karnataka, Kerala & Tamilnadu. *Journ. Econ. Tax. Bot.* 5(5) 1001-1006.

KAR 95 Razi, B.A., Raju, M.V.S. & Govindu, H.C. 1954

A scheme of classification of some of the families of flowering plants in Bangalore. *Central Coll. bot. Soc. Silv. Jub. Vol.* : 27-33.

KAR 96 Venkatesh, C.S. 1948

Key to the Compositae of Bangalore. *Journ. Mysore Univ.* 8B : 1-8.

KAR 97 Venkatesh, C.S. & Govindu, H.C. 1948

Enumeration of the flowering plants round about Bangalore. *Journ. Mysore Univ.* 7B(3) : 21-38.

KAR 98 William, N. 1961

Catalogue of Public Gardens, Bangalore. In : Cleghorn, Forest and Gardens of South India. pp. 344-358.

Barkana**KAR 99 Uniyal, B.P. & Pal, D.C. 1983**

Additional locality for *Chandrasekharanta keralensis*. *Journ. Econ. Tax. Bot.* 4(3) : 950.

Belgaum**KAR 100 Ahuja, B.S. 1962**

Deciduous forests of Belgaum, Western Ghats. *Proc. Nat Acad. Sci. India* 32B : 203-208, tab. 4, fig. 1. Veg. types, succession of forests.

Bellary (District)**KAR 101 Chinnamani, S. 1968**

Grasslands on Bellary black cotton soil. *Indian Forester* 94 : 225-229, tab. 3. Veg., ecol. of grasslands.

KAR 102 Satyanarayan, Y. & Shankarnarayan, K.A. 1963

Vegetation of Bellary District, Mysore State. *Ann. Arid Zone* 2 : 123-149, tab. 3, fig. 2. Enum. 294 spp. phenology, discussion, notes.

KAR 103 Satyanarayan, Y. & Shankaranarayan, K.A. 1964
Vegetation of Bellary District, Mysore State-2. Vegetation types. *Ann. Arid Zone* 3 : 54-62.

KAR 104 Shankaranarayana, K.A. 1963
Parallelism between grassland forest types of Bellary district. *Ann. Arid Zone* 1 : 132-141.

Bijapur (District)

KAR 105 Singh, N.P. (1979) 1981
Cassia sericea Sw. a new record for India. *Bull. Bot. Surv. India* 21(1-4) : 203-205.

Billigirangan

KAR 106 Barnes, E. 1944
Notes on the flowering plants of Billigirangan Hills. *Journ. Bombay Nat. Hist. Soc.* 44(3) : 436-459. Discussion, plant list, notes.

KAR 107 Kammathy, R.V., Rao, A.S. & Rao, R.S. (1967) 1968
A contribution towards the Flora of Billigitirangan hills, Mysore State. *Bull. Bot. Surv. India* 9(1-4) : 206-234. Enum. 825 spp.

Bisle Region

KAR 108 Krishnaswamy, K. 1939
The montane evergreen forests, Bisle region. *Indian Forester* 65 : 189-201, fig. 7. Discussion on veg. & floristic types.

Castle Rock

KAR 109 Jain, S.K. & Hemadri, K. (1968) 1969
Manisuris mysorensis Jain et Hemadri-a new grass from india *Bull. Bot. Surv. India* 10 : 280-282, fig. 3.

Chamundi Hills

KAR 110 Krishnaswamy, A. 1965
Afforestation work of Chamundi hills. *Myforest* 2(4) : 41-48.

KAR 111 Rao, R.R. 1978

Some phytogeographical observations on the flora of Billigirirangan Hills in Karnataka and its affinities with the flora of Khasi Hills in Meghalaya. *Botanique* 7 : 163-170.

KAR 112 Rao, R.R. & Razi, B.A. 1973-74

Contributions from the herbarium, Manasa Gangotri, Mysore-13. Notes on the flowering plants of Chamundi Hills (Mysore District, Karnataka). *Journ. Mysore Univ.* 26B : 70-117. Enum. 459. spp., notes, phenology.

Chickmagalur (District)**KAR 113 Raizada, M.B., Arora, R.K. & Wadhwa, B.M. 1979**

A contribution to the botany of Chickmagalur district, Karnataka State. *Indian Journ. Forestry* 2 (4) : 336-349. Enum. 332 spp., new rec., fig. 2.

KAR 114 Subramanyam, K., Yoganarasimham, S.N. & Razi, B.A. 1978

Studies on the flora of Chickmagalur District - some observations on the vegetation. *Botanique* 8 : 145-154.

KAR 115 Yoganarasimham, S.N., Subramanyam, K. & Razi, B.A. 1977

Studies on the flowering plants of Chickmagalur district - enumeration of taxa. *Vignana Bharati* 3 (1) : 36-69, map 1.

Coorg**KAR 116 Arora, R.K. 1960**

The Botany of Coorg forests-1. *General. Proc. Natn. Acad. Sci. India* 30B : 289-305, photo. 9, fig. 3. Discussion on veg. plant list.

KAR 117 Arora, R.K. 1964

The Botany of Coorg forests-2. *Proc. Natn. Acad. Sci. India* 34B : 100-112. Enum. 532 spp. Discussion on veg. types, ecol., phytogeogr., notes.

KAR 118 Arora, R.K. 1965

Ecological notes on the vegetation of Coorg District, Western Ghats. *Indian Forester* 91 : 722-742, fig. 4, tab. 7, photo. 4. Veg. types, interrelationship, notes.

KAR 119 Cameron, J. 1894

Forest Trees of Mysore and Coorg VIII+334 & XXXVI.
Govt. Press Bangalore (3rd ed.).

KAR 120 Diwan, V.V. & Rao, V.V. 1971

Altitudinal variation in the forage of Western Coorg. *Indian Bee Journ.* 33 : 39-50.

KAR 121 Fernandez, R.R. & Dey, A.C. 1970

A new species of *Calamus* from Western Ghats. *Indian Forester* 96 : 223-225, pl. 1. *C. nagbetta*.

KAR 122 Kelanjar, A.K. 1976-77

Preliminary survey of the orchids of Coorg District. *Journ. Mysore Univ.* 27B : 189-198.

KAR 123 Lakshmana, A.C. & Subramanian, C.K. 1976-1977

Grassy patches in the Western Ghats of Karnataka with particular reference to Coorg-I-II. *Myforest* 12 (4) : 178-181. 1976; *Myforest* 13 (2) : 125-139. 1977.

KAR 124 Rice, L. 1877

See under Karnataka general.

KAR 125 Suryanarayan, M.C. 1966

Studies on the flora of Coorg with emphasis on bee forage plants. *Indian Bee Journ.* 28 (2) : 59-75.

KAR 126 Trimurti, N. 1955

The Forests of Coorg State. *Indian Forester* 81 : 3-6, tt. 1-4.

Devrayadurga

KAR 127 Rao, R.S. & Sastry, A.R. (1964) 1965

Deciduous forests of Devarayadurga, Mysore State. *Bull. Bot. Surv. India* 6 : 159-167, map 1. Enum. 203 spp.

Dharwar

KAR 128 Bharati, S.G. & Hosmani, S.P. 1973

Hydrobiological studies in ponds and lakes of Dharwar (Yemmekeri pond) pt. 1. *Karnatak Univ. Sci.* 18 : 246-254, pl. 5.

KAR 129 Dasappa, G. & Rao, C.M. 1972

A survey of vegetation of Dharwar Agricultural College campus and its precincts. *Myforest* 8 (4) : 15-23.

KAR 130 Desai, M.C. & Murthi, S.N. 1950

Some grasses of Dharwar Agricultural College estate. Dharwar Agricultural College. *Dharwar Agric. Coll. Mag.* 4 : 27-28.

KAR 131 Ladwa, R. & Patil, R.M. 1961

Compositae of Dharwar and its vicinity. *Journ. Bombay Nat. Hist. Soc.* 58 : 68-80. key to gen., enum. 45 spp., discussion.

Halekote (Hassan Dist.)

KAR 132 Maheshwarappa, Y.S. 1976-77

Studies on the flowering plants of Halekote, Hassan district-II. Synoptical key to the Archichlamydeae. *Journ. Mysore Univ.* 27B : 266-284.

KAR 133 Maheshwarappa, Y.S. & Razi, B.A. 1976-77

Studies on the flowering plants of Halekote, Hassan District-I. Observations on the Archichlamydeae. *Journ. Mysore Univ.* 27B : 256-265.

KAR 134 Thimmanna, U.H. 1976-77

Studies on the flowering plants of Halekote, Hassan District-IV. A list of the Sympetalae. *Journ. Mysore Univ.* 27B : 227-243.

KAR 135 Thimmanna, U. H. & Razi, B.A. 1976-77

Studies on the flowering plants of Halekote, Hassan district-III. Observations on the Sympetalae. *Journ. Mysore Univ.* 27B : 94-103.

Hassan (District)

KAR 136 Jain, S.K. 1944-45

The Ghat rain forests of Hassan District, Mysore State. *Quatr. Journ. Mysore For. Dept.* 26 : 1-32.

KAR 137 Krishnaswamy, K. 1945

The Ghat rain forests of Hassan District, Mysore State. *Quatr. Journ. Mysore For. Dept.* 26 : 61-85.

KAR 138 Krishnaswamy, K. 1950

Evergreen montane forests of the Western Ghats of Hassan District, Mysore State. *Indian Forester* 76 : 18-30, 69-82, 121-132.

KAR 139 Kostermans, A.J.G.H. (1977) 1978

A new species of *Diospyros* (Ebenaceae) from Western India. *Journ. Bombay Nat. Hist. Soc.* 74 (2) : 326. *D. saldanhae* sp. nov.

KAR 140 Saldanha, C.J. & Nicolson, D.H. (Eds.) 1976

Flora of Hassan District, Karnataka, India. pp. viii+915, fig. 132, pl. 20, map 1. Amerind Publishing Co. Pvt., New Delhi-1. ca. 1621 spp./158 fam. of Pteridophytes, Gymnosperms & Angiosperms, key to the fam., gen. & notes, 93 additions to Gamble's *Fl. Pres. Madras*, 21 comb. nov. ; 6 nom. nov. (For review see Raju, D.C.S. *Science Reporter* 14 : 272, 1977).

Hulikal

KAR 141 Raghavan, R.S. (1981) 1983

See under Agumbe (Karnataka).

Kadur (District)

KAR 142 Krishnaswamy, K. 1942

The evergreen Ghat rain forest of Tunga and Bhadra river sources, Kadur District-I. *Indian Forester* 68 : 233-240, pl. 3.

KAR 143 Krishnaswamy, K. 1942

The evergreen Ghat rain forest of Tunga and Bhadra river sources-II. *Indian Forester* 68 : 305-312.

Kanara

KAR 144 Mathuda, G.S. 1952

The tree species of the tropical evergreen Ghat forests of Kanara (Bombay) and their rate of growth. *Indian Forester* 79 (1) : 208-233. (also in *Indian. For. Bull. N. S. Silv.* No. 169 : 1-25, 1952).

KAR 145 Mirchandani, T. K. 1941

Kanara Forests. *Indian Forester* 47 (2) : 62-67. Discussion.

KAR 146 Niceville, L. De 1900

The food-plants of the butterflies of the Kanara District of the Bombay Presidency, with a revision of the species of butterflies there occurring. *Journ. Asiat. Soc. Bengal N. S. II*, 69 : 187-278.

Kolar:(District)**KAR 147 Arekal, G.D. & Ramakrishna, T.M. 1981**

A new species of *Brachystelma* (Asclepiadaceae) from India. *Curr. Sci.* 50 (3) : 145-146.

Kollegal Forrst Division**KAR 148 Jacob, K.C. 1938**

Grass flora of Kollegal forest division, with short notes and vernacular names wherever available. *Indian Forester* 64 : 419-439.

Lalbagh**KAR 149 Cameron, J. 1907**

List of Botanical drawings in water colour in the collections of the State Botanical Garden, Lal Bagh, Bangalore.

KAR 150 Krumbilgel, G. H. 1948

List of economic plants imported in Lal Bagh Botanic Garden, Bangalore.

Manjarabad Forest Range**KAR 151 Eners, D. V. 1907**

The evergreen forests of the Manjarabad Forest Range, Mysore State. *Indian Forester* 33 : 324-328.

Mysore (District)**KAR 152 Anderson, G. 1888**

Forest Trees in the Coffee Lands of South Mysore. Bangalore.

KAR 153 Arekal, G. D. & Shivamurthy, G. R. 1975

Balanophora abbreviata Blume in Karnataka (Balanop'h). *Curr. Sci.* 44 : 96-97.

- KAR 154** Arekal, G. D. & Swamy, S.N.R. 1972
A new species of *Iphigenia* Kunth (Liliaceae) from Mysore.
Bot. Not. 125 : 220-222, fig. 5. *I. mysorensis*.
- KAR 155** Bhaskar, V. & Razi, B. A. 1973-74
List of nocturnal blooming angiosperms of Mysore and the neighbouring regions (S. India). *Journ. Mysore. Univ.* 26B : 34-41, pl. 3.
- KAR 156** Bhaskar, V. & Razi, B. A. 1974
Hydrophytes and marsh plants of Mysore city and neighbouring areas. viii + 102. Prasaranga, Mysore.
- KAR 157** Bhaskar, V. & Razi, B. A. 1974
Additions to the Hydrophytes of Mysore District, South India-I. *Geobios* 1 : 109-110.
- KAR 158** Bhat, K. G. & Razi, B. A. 1971-72
The Cyperaceae of Mysore city and surrounding areas. *Journ. Mysore. Univ.* 24B : 81-105.
- KAR 159** Bhattacharjee, A. C. & Das, A. K. 1969
Phytochemical survey of few Mysore plants. *Econ. Bot.* 23 : 274-275.
- KAR 160** Buchanan, F. 1807
A Journey from Madras through the countries of Mysore, Canara and Malabar. London. 2 vols.
- KAR 161** Budhadas, M. 1975
Nurseries and Orchards of Mysore particularly of Bangalore.
Lal Bagh 2 (2 & 3) : 45-49.
- KAR 162** Cameron, J. 1894
See under Coorg.
- KAR 163** Cameron, J. 1921
Mysore Seemeyalli Kaithotagala Vyavasaya 1-115. Govt. Press, Bangalore.

- KAR 164 Deodikar, G. B. 1963
Potentialities for bee keeping in Mysore. *Khadi Gramudyog* 9 : 786-789.
- KAR 165 Eners, D. V. 1905
The Muthodi Teak plantation of 1903-1904, Mysore. *Indian Forester* 31 : 181-194.
- KAR 166 Garasundersing, B. & Razi, B. A. 1973-74
Polygalaceae of Mysore city. *Journ. Mysore. Univ.* 26B : 172-186, pl. 8.
- KAR 167 Govindu, H. C. & Thirumalachar, M. J. 1949
Popular and vernacular names of some grasses in Mysore. *Journ. Mysore. Univ.* 10B : 17-24.
- KAR 168 Govindu, H. C. & Thirumalachar, M. J. 1952
Grass flora of Mysore. *Coll. Agric. Tech. Bull.* 1 : 1-33.
- KAR 169 Govindu, H. C. & Thirumalachar, M. J. 1960
The Cyperaceae of Mysore. *Information Tech. Bull.* 1 : 1-15.
- KAR 170 Gupta, R. K. 1971
Ecology of Chillakere Taluk, Chitradurga District of Mysore with reference to development and conservation of natural resources. *Myforest* 8 (2) : 13-28.
- KAR 171 Iyenger, K. G. & Narasimbachar, S. G. 1945
Wild fodder plants of Mysore. *Mysore Agric. Journ.* 23 (4) : 149-158.
- KAR 172 Jain, S. K. 1960
Short notes on the evergreen forests of Mysore State. *Trop. Evergr. For. Symp., Dehra Dun.*
- KAR 173 Jain, S. K. & Hemadri, K. (1968) 1969
Mastuhia mysorensis, a new grass from India. *Bull. Bot. Surv. India* 10 : 280-282.
- KAR 174 Jain, S. K. & Raghavan, R. S. (1967) 1968
Scleria africana Berth. (Cyperaceae)—a new record from India. *Bull. Bot. Surv. India* 9 (1-4) : 301.

- KAR 175 Jayachandra, A. 1971
Parthenium weed in Mysore State and its control. *Curr. Sci.* 40 : 568-569. fig. 2, Distrib. rec.
- KAR 176 Kadambi, K. 1960
 Short notes on the evergreen forests of Mysore State - *Tropical moist evergreen forests symposium, Dehra Dun*, : 1-15, March-April, 1960.
- KAR 177 Mahmud Khan 1958
 The forgotten gardens of Mysore. *Lal Bagh* 3 (3 & 4) : 5-18.
- KAR 178 Meebold, A. 1909
 Die Vegetationsverhältnisse von Maisor. *Jahr. Schl. Gess. Vaterl. Kulturl.* 87 : 35-46.
- KAR 179 Naidu, G. K. 1917
Commercial guide to the Forest Economic Products of Mysore. Govt. Press, Bangalore.
- KAR 180 Narasimhachar, S. G. 1949
Latin and Kannda names of Indigenous and medicinal plants of Mysore. 4 + ii + 40, Bangalore.
- KAR 181 Narasimhachar, S. G. 1952
Latin and Kannda names of indigenous plants of Mysore. *Mysore State Dep. Agri. Bot. Bul.* 1 : 1-80.
- KAR 182 Pramila, S. M. & Razi, B. A. 1970
 The Caesalpiniaceae of Mysore City. *Journ. Mysore Univ.* 23B : 67-88.
- KAR 183 Raghavan, R.S. 1971
 A new species of *Isachne* R. Br. (Poaceae) from Mysore. *Indian Forester* 97 (6) : 304-307, pl. 2. tab. 1. *I. mysorensis*, descr.
- KAR 184 Ramakrishna, T. M. 1976-77
 Studies on some species of *Solanum* L. from Mysore. *Journ. Mysore Univ.* 27B : 45-60.

- KAR 185 Ramakrishna, T. M. & Razi, B. A. 1976-77
Observations on some species of *Solanum* L. from Mysore. *Journ. Mysore Univ.* 27B : 5-20.
- KAR 186 Ramaswamy, M. N. 1945
Minor Forest Products in Mysore—a survey. i+64. Government Press, Bangalore.
- KAR 187 Ramaswamy, S. V. & Razi, B. A. 1968
An artificial key to the flowering plants of Mysore. *Journ. Mysore Univ.* 22B : 26-38.
- KAR 188 Rao, R. R. 1971-72
Contributions from the Herbarium, Manasagangothri, Mysore V. Annotated list of flowering around 'Aloka' Yelwal (Mysore District). *Journ. Mysore Univ.* 24B : 62-80.
- KAR 189 Rao, R. R. 1977
Medicobotany of some Mysore plants. *Journ. Res. Ind. Med. Yoga Homeo.* 12 : 53-58.
- KAR 190 Rao, R. R. & Rao, M. K. V. 1976
On the identity of *Crassocephalum crepidioides* and *Galinsoga ciliata* from Mysore. *Geobios* 3 : 163-164.
- KAR 191 Rao, R. R. & Razi, B. A. 1970
The Euphorbiaceae of Mysore city and surrounding areas. *Journ. Mysore Univ.* 23B : 35-66.
- KAR 192 Rao, R. R. & Razi, B. A. 1981
A synoptic Flora of Mysore District. Today and Tomorrow's Printers and Publishers, New Delhi 110005. pp. 674, spp. 1601
- KAR 193 Rao, R. R. & Razi, B. A. 1972
Contribution from the herbarium, Manasagangothri, Mysore-7. name changes in common Mysore plants. *Bios. Davangere* 1 : 7-20. 257 spp.
- KAR 194 Rao, R. R. & Razi, B. A. 1973
Notes on Euphorbiaceae of Mysore. *Bios. Davangere* 2 : 50-54.

- KAR 195 Rao, R. R. & Razi, H. A. 1973-74
Vegetation of Mysore District, Karnataka. *Journ. Mysore Univ.* 26B : 191-200.
- KAR 196 Rao, R. R. & Razi, B. A. 1974
Flowering plants of the Mysore University Campus. vi+78.
Prasaranga, Mysore.
- KAR 197 Rao, R. R. & Razi, B. A. 1974
Occurrence of *Solanum elaeagnifolium* Cav. in Mysore city, Karnataka. *Curr. Sci.* 43 : 734. Key to *S. elaeagnifolium* & *S. wightii*, descr., phenology, notes.
- KAR 198 Rao, R. R. & Razi, B. A. 1975
Oxybaphus himalaicus Edgew. — a new record. *Geobios* 2 : 196.
New rec. for S. India from Mysore.
- KAR 199 Rao, R. R. & Razi, B. A. 1977
An artificial key to the Asteraceae of Mysore. *Myforest* 14 : 27-41.
- KAR 200 Rao, R. R. & Razi, B. A. 1978
An artificial key to the deciduous trees of Mysore District. *Myforest* 15 : 223-230.
- KAR 201 Rao, R. R. & Razi, B. A. 1979
Contribution from the herbarium, Manasagangotri, Mysore-XIII. Contribution towards a grass flora of Mysore District, Karnataka. *Indian Forester* 105 : 598-603. List of records.
- KAR 202 Rao, R. R. & Suryanarayana, K. 1977
Introduced weeds in the vegetation of Mysore District. *Journ. Bombay Nat. Hist. Soc.* 74 (Suppl.) : 688-697. List of weed spp.
- KAR 203 Razi, H. A. 1946
A list of Mysore plants. *Journ. Mysore Univ.* 7B (4) 39-51.
List of plants.
- KAR 204 Razi, B. A. 1950
An account of the forests of Mysore. *Mysore Univ. Journ.* 10B (6) : 47-58.

KAR 205 Razi, B. A. 1950

A bibliographical account of systematic botany in Mysore. *Proc. Rajasthan Acad. Sci.* 10 : 59-66.

KAR 206 Razi, B. A. 1950

An index to collections of flowering plants of Mysore as represented in herbaria. *Proc. Rajasthan Acad. Sci.* 11 : 1-55.

KAR 207 Razi, B. A. 1950

An index to collections of flowering plants of Mysore as represented in herbaria I & II. *Journ. Mysore Univ.* 11 (1) : 1-20, 21-55.

KAR 208 Razi, B. A. 1950

A contribution towards the study of dispersal mechanism in flowering plants of Mysore, S. India. *Ecology* 31 : 282-286.

KAR 209 Razi, B. A. 1953

Recent names of some south Indian plants with particular reference to those of Mysore. *Journ. Mysore Univ.* 14B (1) : 1-12.

KAR 210 Razi, B. A. 1955

An account of the vegetation of semi-arid tracts of Mysore State and Karnataka. *Journ. Mysore Univ.* 15B : 1-6.

KAR 211 Razi, B. A. 1955

Additions to the bibliographic account of systematic botany in Mysore. *Journ. Mysore Univ.* 14B : 57-61.

KAR 212 Razi, B. A. 1955-56

Phytogeography of Mysore hilltops. *Journ. Mysore Univ.* 15B : 87-144.

KAR 213 Razi, B. A. 1969

Vegetation and floristic composition of the Deccan trap areas of Mysore State. *Bull. Ind. Natn. Sci. Acad.* 45B : 168-177.

KAR 214 Razi, B. A. & Ramaswamy, S. V. 1968-69

Artificial key to the families of flowering plants of Mysore. *Journ. Mysore Univ.* 22B : 26-38.

- KAR 215 Rice, L. 1897
Mysore, a Gazetteer compiled for Government (Revised edition, pp. 68-100 on flora).
- KAR 216 Singh, B.G.S. & Razi, B.A. 1973-74
The Polygalaceae of Mysore city. *Journ. Mysore Univ.* 26B : 172-186.
- KAR 217 Talbot, W.A. 1897
New species of Western Peninsular plants from North Kanara and Mysore. *Journ. Bombay Nat. Hist. Soc.* 11 : 234-238, tt. 1-10.
- KAR 218 Vajravelu, E. & Ramchandran, V.S. 1975
Notes on some rare plants from South India. III. *Journ. Econ. Tax. Bot.* 6(2) : 415-416. 3 rare spp.
- KAR 219 Venkatgowda, K.V. 1957
Mysore parks and gardens. *Lal Bagh* 2(2 & 3) : 105-109.
- KAR 220 Vijaya, B.A. & Bhat, K.G. 1976-77
Studies on the weed flora of mulberry gardens of Mysore III. A synoptical key to the weeds. *Journ. Mysore Univ.* 27B : 156-171.
- KAR 221 Vijaya, B.A. & Razi, B.A. 1975
Studies on the weed flora of mulberry gardens of Mysore I. Biology and life Cycles : II. Enumeration of the weeds. *Indian Journ. Seric.* 14 : 29-48.
- Nandi Hills**
- KAR 222 Boraih, G. & Khaled Tasneem Fathima, 1970
Some aspect of vegetation at Nandi Hills. *Univ. Agric. Sci. Res. Ser.* 7 : 1-19. Bangalore.
- KAR 223 Thirumalachar, M.J., Khan, K.B.A. & Swamy, B.G.L. 1942
Some common flowering plants of Nandi Hills. *Journ. Mysore Univ.* 3B : 73-88.

KAR 224 Thirumalachar, M.J., Razi, B.A. & Swamy, B.G.L. 1949

Contributions to the flora of Nandi Hills Part II. Additions to the common flowering plants of Nandi hills. *Journ. Mysore Univ.* 9B(5) : 73-81.

North Kanara (District)

KAR 225 Arora, R.K. 1960

The Flora of North Kanara (Statistico-Biological notes). *Indian Forester* 86 : 609-616, tab. 3. Plant list, analysis of veg.

KAR 226 Arora, R.K. 1960

Successional trends in North Kanara Forests. *Bull. Inst. Soc. Trop. Ecol.* 1 : 35-37. Veg. types.

KAR 227 Arora, R.K. 1960

New plant records from North Kanara. *Bull. Bot. Surv. India* 2 : 169-170. Enum. 3 spp. 2 new rec. for peninsular India, 1 new rec. for Bombay Presidency, distrib.

KAR 228 Arora, R.K. 1961

The forests of North Kanara District-1, Scrub. *Journ. Indian Bot. Soc.* 40 : 187-200, tab. 6, fig. 2. Veg. types, community study.

KAR 229 Arora, R.K. 1963

The forests of North Kanara District-3. Evergreen type. *Journ. Indian Bot. Soc.* 42 : 38-60. tab. 2. Distrib., Classification, veg. types, study on successional trend of forest communities.

KAR 230 Arora, R.K. 1963

The forests of North Kanara District-4. Successional trends and synthesis of vegetation. *Journ. Indian Bot. Soc.* 42 : 629-636, tab. 1, Classification of veg. & forest types.

KAR 231 Arora, R.K. 1964

The forests of North Kanara District-2. Deciduous type. *Journ. Indian Bot. Soc.* 43 : 75-86, fig. 1, tab. 2. Distrib., successional trends.

KAR 232 Arora, R.K. 1964

Vegetation in relation to climate and soil a correlation of factors for North Kanara forests. *Proc. Nation. Acad. Sci.* 34B : 361-368, tab. 3. fig, 1. Veg. and soil types.

KAR 233 Arora, R.K. 1966

On the biological spectrum of North Kanara flora. *Indian Forester* 92 : 85-88, fig. 1. Percentage composition of life form of N. Kanara district compared to Raunkiaer's system.

KAR 234 Jain, S.K. 1971

Arthraxon deccanensis sp. nov.-a new grass from India. *Journ. Bombay Nat. Hist. Soc.* 68 : 297-299, pl. 1. Descr.

KAR 235 Karthikeyan, S., Sharma, B.D. & Mudaliar, S.K. (Miss) (1980) 1982

Extended distribution of an endemic species of *Sida* L. *Bull. Bot. Surv. India : Cons. Suppl.* 22(1-4) : 235-236.

KAR 236 Karthikeyan, S., Sharma, B.D. & Mudaliar, S.K. (Miss) 1982

New distributional records of plants for N. Kanara, S.M. country and Goa. *Journ. Econ. Tax. Bot.* 3(2) : 609-615. Rec. 34 spp.

KAR 237 McCann, C. 1941

Two naturalists visit Karwar, North Kanara. *Journ. Bombay Nat. Hist. Soc.* 42 : 602-610.

KAR 238 Mukherjee, N. 1972

Six new taxa of Flacourtiaceae from India and Burma. *Journ. Bombay Nat. Hist. Soc.* 69 : 390-394. *Casearia rubescens* Dalz. var. *gamblei* Mukh. from Kerala & N. Kanara.

KAR 239 Naik, V.N. (1973) 1976

Arundinella ciliata (Roxb.) Nees ex Miq. a new record for erstwhile Bombay State. *Bull. Bot. Surv. India* 15(1 & 2) : 131-132.

KAR 240 Ramesh, S.R. & Raji, B.A. 1984

Occurrence of *Cassia betunifolia* L. in Karnataka. *Journ. Econ. Tax. Bot.* 5 (4) : 999-1000.

KAR 241 Santapau, H. 1955

A botanical excursion to North Kanara, Bombay State, in May 1954. *Journ. Bombay Nat. Hist. Soc.* 53(1) : 10-28.

KAR 242 Talbot, W.A. 1897

See under Mysore.

KAR 243 Talbot, W.A. 1898

Species of Western Peninsular trees, shrubs etc. from North Kanara, Bombay. *Journ. Bombay Nat. Hist. Soc.* 11(4) : 690-693, tt. 11-14.

Ramagiri

KAR 244 Ramaswamy, S.V. (1964) 1965

Some aspects of vegetation of Ramagiri and its immediate neighbourhood. *Bull. Bot. Surv. India* 6 : 7-18, map. 1. Enum. 340 spp., discussion.

Savandurga

KAR 245 Ramaswamy, S.V. & Razi, B.A. 1967

The study of vegetation of Savandurga. *Bull. Bot. Soc. Bengal* 21(2) : 87-98. Discussion on veg. types, enum. 332 spp., notes.

KAR 246 Razi, B.A. & Govindu, H.C. 1952

Some plant associations of Savandurga. *Journ. Mysore Univ.* 12B : 103-108.

Shimoga (District)

KAR 247 Lavery, E.P. 1888

Catalogue of forest trees growing in Shimoga District. X+50. Bangalore.

KAR 248 Mallikarjunappa, R.S. & Razi, B.A. 1976-77

Studies on the weeds of arecanut gardens of Mysore and Shimoga District-I & II. *Journ. Mysore Univ.* 27B : 212-226, 245-258.

KAR 249 Raghavan, R.S. (1968) 1969

A new species of *Tarenna* (Rubiaceae) from Shimoga District, Mysore State. *Bull. Bot. Surv. India* 10 : 341-343.

South Kanara (District)

KAR 250 Arora, R.K. 1965

The vegetation of South Kanara District, Western Ghats, India-1. General features and floristic composition of Bio-edaphic types. *Journ. Indian Bot. Soc.* 44 : 453-467, fig. 2, tab. 3. Veg. types, composition, successional trends.

KAR 251 Arora, R.K. 1966

The vegetation of South Kanara District, Western Ghats, India-2. *Xylia*-mixed type. *Journ. Indian Bot. Soc.* 45 : 127-137, tab. 2 veg. types, composition.

KAR 252 Arora, R.K. 1966

The vegetation of South Kanara District, Western Ghats, India-3. Evergreen type. *Journ. Indian Bot. Soc.* 45 : 304-316, tab. 1. Distrib. & diagnostic characters of the types.

KAR 253 Arora, R.K. 1967

Vegetation of South Kanara District, Western Ghats, India-4. Succession in plant communities. *Journ. Indian Bot. Soc.* 46 : 15-24, tab. 2, fig. 2, veg. in relation to climate & soil, successional trend.

KAR 254 Arora, R.K. & Aggarwal, K.R. 1965

Observations on the vegetation of Malpe Coast and neighbouring Islands. *Journ. Indian Bot. Soc.* 44 : 314-325, tab. 3. Veg. types of various islands in S. Kanara District, Enum. 75 spp.

KAR 255 Smith, R.M. 1977

A new genus of Zingiberaceae from South India. *Notes Roy. Bot. Gard. Edinb.* 35(3) : 365-368. A new monotypic genus of Zingiberaceae—Hedycheaceae, *Paracaulleya*, closely related to *Caulleya* and *Roscoea*.

Sreenagapatna

KAR 256 Govindu, H.C. & Razi, B.A. 1949

Some aspects of the flora of Sreenagapatna, South India. *Journ. Indian Bot. Soc.* 28 : 221-227.

Tumkur

KAR 257 Yoganarasimham, S.N., Togunathi, V.S., Keshavamurthy, K.R. & Govindaiah 1982

Medico-botany of Tumkur district, Karnataka. *Journ. Econ. Tax. Bot* 3(2) : 391-406. Enum. 143 spp with notes on econ. & medicinal importance.

Yellapur

KAR 258 Patil, R.P. 1956

Observations on the flora of Yellapur in North Kanara. *Proc. Indian Acad. Sci.* 43B : 237-257.

Yelwala

KAR 259 Rao, R.R. & Razi, B.A. 1973-74

An annotated list of flowering plants of Yelwala, Mysore District. *Journ. Mysore Univ* 26B : 62-80.

General Addition

KAR 260 Sharma, B.D., Singh, N.P., Raghavan, R.S. & Deshpande, U. 1984

Flora of Karnataka-Analysis. Flora of India : Series 2. Botanical Survey of India, Howrah. 1-253, map 1.

KERALA

Kerala (Capital Trivandrum) situated in the south western corner of India can be divided into three distinct geographical regions as (i) High lands—slope down from the Western Ghats with an average height of about 1000m with several peaks over 2000m, (ii) the Midlands between the mountains and lowlands with the undulating hills and valleys and (iii) the Lowlands or the western part made up of river deltas, backwaters and shores of the Arabian sea. As many as forty-four rivers traverse through the state with a great number of branches but mostly are monsoon fed and practically turn into rivulets in summer. The backwaters include a number of irregular ocean inlets like Vembanad lake, Katinamukulam, Edava, Nadiyara, Kayamkulam, Chetuva etc. Due to varied topography ranging from extremely mountainous to lowlands a varying climatic condition prevail the

state. The South-West monsoon contribute the major part of the annual rainfall that usually starts in the beginning of June followed by the hottest season. After a short pause the North East monsoon sets in. A varied type of soil is noted in the state : alluvial deposits on the river banks, crystalline sand in the coastal tracts ; loam, sandy loam, clayey, laterite, hilly and forest humus type.

The State is divided into the following districts :

- (1) Cannanore : 4958 sq. km. ; population 2800055 ; Dist. Hq. Cannanore.
- (2) Wynnad : 2126 sq. km. ; population 555348 ; Dist. Hq. Kottappadi.
- (3) Kozhikode : 2314 sq. km. ; population 2243004 ; Dist. Hq. Kozhikode.
- (4) Malappuram : 3674 sq. km. ; population 2401229 ; Dist. Hq. Malappuram.
- (5) Palghat : 4392 sq. km. ; population 2041912 ; Dist. Hq. Palghat.
- (6) Trichur : 3031 sq. km. ; population 2435975 ; Dist. Hq. Trichur.
- (7) Ernakulam : 2408 sq. km. ; population 2533265 ; Dist. Hq. Ernakulam.
- (8) Idukki : 5061 sq. km. ; population 971193 ; Dist. Hq. Painave.
- (9) Kottayam : 2204 sq. km. ; population 1681104 ; Dist. Hq. Kottayam.
- (10) Alleppey : 1883 sq. km. ; population 2342852 ; Dist. Hq. Alleppey.
- (11) Quilon : 4620 sq. km. ; population 2807223 ; Dist. Hq. Quilon.
- (12) Trivandrum : 2192 sq. km. ; population 2591057 ; Dist. Hq. Trivandrum.

Recently new district Pathanamthitta has been formed.

Vegetation and Important Floristic Elements

The State possesses a rich vegetational wealth for its varied topography with hills, valleys, rivers, streams and estuaries. However, the vegetation can be grouped into three major heads :

- (1) **Coastal vegetation** : It consists of strand and estuarine vegetation. Some important elements are : *Ipomaea pes-caprae*, *Portulacca oleracea*, *Hopea wightiana*, *Calotropis gigantea*, *Polycarpha corymbosa*, *Thespesia populnea*, *Erythroxylum monogynum*, *Acanthus ilirifolius*, *Gloriosa superba*, *Avicennia officinalis*, *Rhizophora mucronata*, *Barringtonia racemosa*, *Brugulera gymnorhiza*, *Hydrilla verticillata*, *Ceratopteris siliquosa*, *Pandanus fascicularis*.
- (2) **Vegetation of Mid-Lands** : This region is under extensive cultivation of different economic plants. The tropical tree species are *Anacardium occidentale*, *Artocarpus heterophylla*, *A. hirsuta*. Important herbaceous and aquatic species are : *Utricularia australis*, *Aeschynomene indica*, *Limnophila heterophylla*, *Ammania baccifera*, *Achyranthes aspera*, *Ageratum conyzoides*, *Synedrella nodiflora*, *Drosera burmanii*, *Monocharis vaginalis* etc.
- (3) **Vegetation of the High-Lands** : The vegetation of highlands are of tropical evergreen, tropical semi-evergreen and mixed deciduous types. Some important elements are *Polvaithia fragrans*, *Dysoxylum malabaricum*, *Artocarpus hirsuta*, *Toona ciliata*, *Lophopetalum wightianum*, *Mesua ferrea*, *Hopea parvifolia*, *Melastoma malabathricum*, *Terminalia paniculata*, *Bridella retusa*, *Xanthophyllum flavescens*, *Terminalia bellerica*, *Trema orientalis*, *Emblica officinalis*, *Grewia tiliaefolia*, *Careya arborea*, *Dillenia pentagyna*, *Mallotus philippinensis*, *Dipterocarpus indicus*, *Diospyros bourdillonii*, *Cyathia gigantea*, *Myristica dactyloides*, *Dalbergia latifolia*, *Kydia calycina*, *Adina cordifolia*, *Anogeissus latifolia*, *Gmelina arborea*.

Rare, Threatened and Endemics

The great altitudinal variations coupled with the climatic conditions and heavy rainfall, Kerala represents a rich vegetation. Due to its natural barriers and other factors, it also includes a number of tree endemics, many of which are decreasing in number and getting rare or threatened for various reasons. Some endemics, rare threatened elements are : *Antistrophe scrotaifolia*, *Artocarpus gomezianus*, *Clematis bourdillonii*, *Buchanania lanceolata*, *Dryptes travancorica*, *Osbeckia travancorica*, *Cynometra travancorica*, *Gymnema montana*, *Ioga cynometroides*, *Palasippon bourdillonii*, *Ampelocissus ornottiana*, *Senecarpus auriculata*, *Ceropegia fimbriifera*, *Prunna glaberrima*, *Dysoxylum filiforme*, *Polyalthia rufescens*, *Xylocopa parvifolia*, *Asteristigma macrocarpa*, *Garcinia imbricifolia*, *Pterospermum reticulatum*, *Impatiens anabradica*, *I. coelotropis*, *I. jhoni*, *I. macrocarpa*, *I. munnarensis*, *I. pandata*, *I. platyadena*, *I. verucunda*, *Aglaia mizae*,

Loeseneriella bourdillonii, *Salacia malabarica*, *Buchanania barberi*, *Sesbania paludosa*, *Smilax venkabarowii*, *Cynometra beddomei*, *Humboldtia bourdillonii*, *H. laurifolia*, *Eugenia discifera*, *Jambosa bourdillonii*, *Syzygium chavrua*, *S. palghatense*, *S. travancoricum*, *Memecylon wightiana*, *Osbeckia aspera*, *Sonerila nemakadensis*, *Rotala occidiflora*, *Luffa umbellata*, *Begonia aliciae*, *B. subpeltata*, *Schefflera bourdillonii*, *Hedyotis beddomei*, *Lasianthus obovatus*, *Ophiorrhiza barnesii*, *Pavetta nemoralis*, *Anaphalis barnesii*, *A. beddomei*, *Vernonia beddomei*, *V. heynei*, *Isonandra montana*, *Ceropegium beddomei*, *Pogostemon travancoricus*, *Haploclisia exan data*, *Nerilla biflora*, *Vanilla wightiana*, *Kaempferia rotunda*, *Cyanotis burmanniana*, *Arisaema psittacus*, *Fimbristylis arnotiana*, *Arundinaria densiflora*, *Isachne fischeri*.

Sanctuaries, National Parks and Tiger Reserves

(1) Eravikulam Rajmally National Park : Idukki Dist. ; 97 sq. km. ; tropical moist deciduous ; faunal representatives : tiger, leopard, civet, elephant, gaur, sambar, barking deer, nilgai, langur, lion-tailed macaque, nilgiri tahr, malabar squirrel, imperial pigeon, grey jungle fowl.

(2) Idukki Wild Life Sanctuary : Idukki Dist. ; 70 sq. km. tropical moist deciduous ; important faunal representatives : elephant, sambar, bear, sloth-bear, gaur.

(3) Neyyar Wild Life Sanctuary : Trivandrum Dist. ; 128 sq. km. ; tropical evergreen and moist deciduous type, important floral elements are—*Terminalia alata*, *T. belerica*, *Artocarpus hirsuta*, *Careya arborea*, *Dillenia pentagyna*, *Lophopetalum wightianum*, *Ixora brachiata*, *Melastoma malabaricum*, *Prunna glaberrima*, *Adenosma bilabiatum*, *Melochia corchorifolia*, *Torenia travancoricum*, *Cyathia gigantea*, *Lindsaea ensifolia*, *Albizia odoratissima*, *Logerstroemia speciosa*, *Mitragyna tubulosa*, *Pterocarpus marsupium*, *Ficus arnotiana*, *Psychotria macrocarpa*, *Memecylon gracile*, *M. heyneanum*, *Dendrophoe falcata*, *Coccologyne nervosa*, *Habenaria crinifera*, *Saccolabium jerdonianum* etc.

Important faunal representatives are tiger, leopard, bear, elephant, sambar, spotted deer, nilgai.

(4) Parambikulam Wild Life Sanctuary : Palghat Dist. ; 270 sq. km. ; tropical moist deciduous ; important faunal representation : tiger, leopard, sloth bear, elephant, gaur, nilgai, spotted deer, sambar, crocodile.

- (5) **Periyar National Park** : Idukki Dist. ; 350 sq. km. ; tropical wet evergreen and moist deciduous type, important floral elements : *Artocarpus hirsuta*, *Calophyllum elatum*, *Ficus travancorica*, *Cullenia exarillata*, *Hopea parviflora*, *Antiaris toxicaria*, *Careya arborea*, *Dillenia pentagyna*, *Elaeocarpus tuberculatus*, *Cinnamomum riparium*, *Sizygium occidentale*, *Melogyne ramorowii*, *Polyalthia coffeoides*, *Atina travancorica*, *Kunstleria keralensis* and various exotics like *Lantana camara*, *Mikania cordata*, *Xanthium strumarium*, *Eupatorium* sp. are found in forest cleared areas.

Important faunal representation : tiger, leopard, elephant, sloth-bear, nilgai, sambar, barking deer.

- (6) **Poochi-Vazhani Wild Life Sanctuary** : Trichur Dist. ; 125 sq. km. ; tropical moist deciduous type ; important faunal representation : elephant, spotted deer.

- (7) **Silent Valley National Park** : Palghat Dist. ; 344 sq. km. ; evergreen and moist deciduous type.

- (8) **Wynaad Wild Life Sanctuary** : Cannanore and Kozhikode Dists. ; 344 sq. km. ; tropical moist deciduous type ; important faunal representation : elephant, gaur, spotted deer, barking deer, sambar, wild boar.

Botanic Garden

- (1) **Calicut University Botanic Garden** : Calicut 19.2 ha. ; a rich collection of ca. 10,000 trees and shrubs belonging to the families—Apocynaceae, Asclepiadaceae, Araceae, Zingiberaceae, Bromeliaceae etc.
- (2) **Tropical Botanic Garden & Research Institute, Trivandrum** : The site of the garden is at Palode, 40 km. away from Trivandrum. There are about 1600 plants belonging to 550 species. The Arboretum has 1000 saplings.

General

KER 1 Airy Shaw, H. K. 1963

Notes on Malaysian and other Asiatic Euphorbiaceae. *Kew Bull* 16: 341-372. *Ostocleis integrifolia* sp. nov. from Nilgiris & Kerala.

- KER 2 Bhaskaran Nair, V. K. 1967
Mikania cordata B. L. Robia. an aken new to South India. *Rubb. Bd. Bull.* 9 : 28-29, pl. 2.
- KER 3 Bhaskaran Nair, V. K. 1968
 A note on the occurrence of *Mikania cordata* (Burm. f.) B.L. Robinson in South India. *Sci. & Cult.* 34 : 254-255, fig. 5. Descr., distrib.
- KER 4 Bruggen, H. W. E. Van 1968
 Revision of the genus *Aponogeton* (Aponogetonaceae) 2. A new species of *Aponogeton* from India. *Blumea* 16 : 264-265, fig. 1. *A. appendiculatus* Van Bruggen sp. nov. Descr., distrib., notes.
- KER 5 Chandrasekharan, C. 1962
 A general note on the vegetation of Kerala State. *Indian Forester* 88 : 440-441. Discussion.
- KER 6 Chandrasekharan, C. 1962
 Ecological study of the forests of Kerala State. *Indian Forester* 88 : 473-480. Habitat factors, climax & sec. types, sec. succession in the trop evergr. forests; grasslands and grassland ecol.
- KER 7 Chandrasekharan, C. 1962
 Forest types of Kerala State-I-III. *Indian Forester* 88 : 660-674, pl. 2 ; 731-747, pl. 4 & 837-847, pl. 1. Descr., various-types of forests.
- KER 8 Ellis, J. L. & Chandrasekharan, V. (1970) 1972
 A new variety of *Nothopegia beddomei* Gamble (Anacardiaceae) from Kerala, South India. *Bull. Bot. Surv. India* 12 : 257-258, fig. 6, tab. 1. *N. beddomei* var. *wynaadica*, Descr.
- KER 9 Govindarajalu, E. 1972
 Studies in Cyperaceae-8. Novelties in *Fimbristylis* (L.) Vahl. *Proc. Indian Acad. Sci.* 76B : 181-183, fig. 4. *F. dauciformis*.

- KER 10 Henry, A. N., Vivekananthan, K. & Nair, N. C. 1978
Rare and Threatened Plants of South India. *Journ. Bombay Nat. Hist. Soc.* 75 (3) : 684-697.
- KER 11 Iyppu, A. I. 1960
The silviculture and management of evergreen forest of Kerala State. *Trop. Moist. Evergr. For. Symp. Dehra Dun.* pp. 12.
- KER 12 Joseph, J. & Chandrasekharan, V. 1978
Janakia arayatpathra— a new genus and species of Periplocaceae from Kerala, South India. *Journ. Indian Bot. Soc.* 57 (4) : 308-312.
- KER 13 Joseph, J. & Vajravelu, E. 1978
A note on the orchids of Kerala. *Kerala Forest Research Institute Souvenir*. Peechi.
- KER 14 Kammathy, R. V. & Subramanyam, K. 1967
Limnorcharis H. B. K.— a genus new to India. *Journ. Bombay Nat. Hist. Soc.* 64 : 389-390. *L. flava* (L.) Buchanan. Key to *L. flava* & *Lymnophyton obtusifolium*, distrib., notes.
- KFR 15 Karthikeyan, S. (1971) 1974
A contribution to the family Gramineae of the "Flora of the Presidency of Madras" *Bull. Bot. Surv. India* 13 : 175-179. Enum. 78 spp. 7 new rec. for the area.
- KER 16 Karthikeyan, S. (1972) 1975
A synopsis of the awned grasses of former Madras Presidency. *Bull. Bot. Surv. India* 14 : 83-91. Key to 13 genera.
- KER 17 Kern, J. H. 1963
Florae Malesianae Praecursores-32. Some new Cyperaceae-*Blumea* 12 : 27-28. *Fimbristylis aestivalis* (Retz.) Vahl var. *trichopoda* var. nov. from Malabar & Concan.
- KER 18 Krishnamoorthy, K. 1960
The evergreen forests of Kerala. *Proc. Trop. Moist Evergr. For. Dehra Dun.* pp. 4. Floristics.

- KER 19 Krishnaswamy, N. & Chandrasekharan, P. 1958
A new species of *Oryza* L. *Madrus Agric. Journ.* 45 : 471-472.
- KFR 20 Kulkarni, B. G. & Singh, N. P. 1973
On the distribution of *Polygala Jacobii* Chandr. *Curr. Sci.* 42 : 359, fig. 1. From Kerala & Maharashtra.
- KER 21 Manilal, K. S. & Sivarajan, V. V. 1975
Two little known plants from India. *Sci. & Cult.* 41 : 436-438. *Meineckia parvifolia* (Wt.) Webster & *Suregada angustifolia* (Muell-Arg.) Airy Shaw --rec. from Kerala, descr., notes.
- KER 22 Manilal, K. S. & Sivarajan, V. V. 1976
Hedyotis erecta Manilal & Sivarajan (Rubiaceae) --a new species from S. India. *Bot. Not.* 129 : 191-192, fig. 1. From Kerala.
- KER 23 Manilal, K. S. & Sivarajan, V. V. (1975) 1973
A contribution to the study of Hydrophytic flora of Kerala. *Proc. Natn. Acad. Sci. India*, 45B : 225-251. Enum. 122 spp.
- KER 24 Manilal, K. S. & Sivarajan, V. V. 1982
Flora of Calicut. Bishen Singh Mahendra Pal Singh, Dehra Dun. i-ii+1-387.
- KER 25 Mudaliar, C. R. & Kunth, H. S. 1954
Backwater flora of the West Coast of South India. *Journ. Bombay Nat. Hist. Soc.* 52 (1) : 69-82.
- KER 26 Mukherjee, N. 1972
See under N. Kanara (Karnataka)
- KER 27 Nair, M. R., Nayar, N. M. & Sahadevan, P. C. 1964
On the occurrence of *Oryza* species in South Western India and its significance. *Curr. Sci.* 33 : 515-517, fig. 3 *O. perennis*, ssp. *balunga* --record from Kerala, descr., notes.
- KER 28 Nair, N. C. 1962
Physalis longifolia Nutt., a new record for Kerala State. *Journ. Bombay Nat. Hist. Soc.* 59 (1) : 323-324. Notes.

KER 29 Nair, N. C. 1964

Mimosa invisa Mart.— a new record for India. *Journ. Bombay Nat. Hist. Soc.* 61 (2) : 469-471, fig. 7. Rec. from Kerala ; descr., key to 7 spp. of *Mimosa* in India.

KER 30 Nair, N. C. 1966

A note on the nomenclature of *Amaranthus polygamus* of Hooker's "Flora of British India". *Bull. Bot. Surv. India* 8 : 88-89. Key to *A. polygamus* auct. plur. non L., & Roxb. & *A. tricolor* L.

KER 31 Nair, N. C. (1972) 1973

Amaranthus polygonoides Linn.— a new record for South India. *Journ. Bombay Nat. Hist. Soc.* 69 (3) : 687.

KER 32 Nair, N. C. 1976

Identity of *Amaranthus polygonus* of Hooker's *Flora of British India* and related taxa. *Journ. Bombay Nat. Hist. Soc.* 73 : 59-62. *A. Roxburghianus* Nevski = *A. polygonoides* Roxb. non Linn. (c. f. Nair, N. C. 1966, supra.) ; discussion.

KER 33 Nair, N. C. & Mohanan, C. N. 1981

On the rediscovery of four threatened species from the sacred groves of Kerala State. *Journ. Econ. Tax. Bot.* 2 : 233-235.

KER 34 Nair, N. C. & Nair, V. J. 1964

Boerhavia punarnava Saha et Krishnan : a new record for Kerala State. *Journ. Bombay Nat. Hist. Soc.* 61 (1) : 216-217. Notes.

KER 35 Nair, N. C., Sreekumar, P. V. & Nair, V. J. 1981

Some rare and interesting plants from Kerala State. *Journ. Econ. Tax. Bot.* 2 : 223-225. Report of 8 rare and interesting taxa.

KER 36 Nair, R. V. 1964

New record for *Hydrolythum wallichii* Hook. f. in South India. *Journ. Bombay Nat. Hist. Soc.* 61 (3) : 718-719.

- KER 37 Nair, R. V. 1965
New record of *Utricularia minutissima* Vahl in South India. *Journ. Bombay Nat. Hist. Soc.* 62 (1) : 180-182.
- KER 38 Nair, R. V. & Ramachandran, V. S. (1980) 1982
Five plant records for Kerala. *Bull. Bot. Surv. India* 22 (1-4) : 193-194.
- KER 39 Nair, R. V., Sreekumar, P. V. & Nair, N. C. 1982
Notes on the distribution of some rare grasses in Kerala State. *Journ. Econ. Tax. Bot.* 3 : 270-379.
- KER 40 Nayar, M. P. 1966
Contribution to the knowledge of Indo-Malaysian and other Asiatic Melastomataceae. *Kew Bull.* 20 : 155-161. *Clidemia hirta* (L.) D. Don. new rec. for India from Kerala, notes.
- KER 41 Nayar, M. P. 1969
A new species of *Sonerila* Roxb. (Melastomataceae) from South India. *Proc. Indian Acad. Sci.* 69B : 256-258, fig. 1. *S. sadashivanii*, descr. ; from Kerala and Tamil Nadu.
- KER 42 Nayar, M. P. (1969) 1970
New species and notes on the genus *Sonerila* Roxb. (Melastomataceae). *Journ. Indian Bot. Soc.* 48 : 321-325, fig. 2. *S. wynaadensis* from Kerala, descr., notes on 3 spp.
- KER 43 Nayar, M. P. (1974) 1976
A new species of *Sonerila* (Melastomataceae) from Kerala, S. India. *Journ. Bombay Nat. Hist. Soc.* 71 : 632-633, pl. 1. *S. devicolumensis*, descr.
- KER 44 Patil, R. P. & D'cruz, R. (1973) 1974
A new species of *Ischaemum* Linn. from India. *Journ. Bombay Nat. Hist. Soc.* 70 (21) : 324-325, pl. 1. *I. venbanadense* from Kerala, descr.
- KER 45 Puri, G. S., Vasadava, J.A. & Ansari, M.Y. 1959
Botanical explorations of Kerala. *Proc. Natn. Acad. Sci. India* 29B : 272-276, pl. 2. Floristics.

- KFR 46 Paiyada, M. B. & Chatterji, R. N. 1963
A new bamboo from South India. *Indian Forester* 89 : 362-364, fig. 2. *Ochlandra ebracteata* sp. nov., descr.
- KER 47 Ramanurthy, K. & Joseph, J. (1964) 1965
A new species of *Dicraea* from South India. *Bull. Bot. Surv. India* 6 : 333-334, fig. 6. *D. filifolia* sp. nov., descr.
- KFR 48 Rao, R. S. 1964
New plant records from India. *Curr. Sci.* 33 : 120-121. *Lep-raspis urceolata* (Roxb.) R. Br.
- KER 49 Rao, R. S. & Ahuja, K. K. (1968) 1969
New and noteworthy plant records from India. *Bull. Bot. Surv. India* 10 : 360-366, fig. 16. *Tropidia curcaligoides* Lindl., new rec., from Kerala, notes.
- KER 50 Rao, T. A. & Das, G. C. 1974
Limnocharis flava (L.) Buch. An aquatic plant on the move in Kerala State. *Journ. Bombay Nat. Hist. Soc.* 70 (3) : 577. Notes on spreading of the sp.
- KER 51 Rathakrishnan, N. C. 1971
Notes on the distribution, taxonomy and nomenclature of some south Indian Orchids. *Bull. Bot. Surv. India* 13 (1 & 2) : 1-6. New distrib. of 13 spp. taxonomy & nomenclature of 43 taxa.
- KER 52 Ravi, N. (1969) 1970
A new species of *Zornia* Gmel. from S. India. *Journ. Bombay Nat. Hist. Soc.* 66 (3) : 489-490, fig. 8. *Z. quilonensis* sp. nov. descr.
- KER 53 Ravi, N. (1969) 1970
A new species of *Borreria* May, from S. India. *Journ. Bombay Nat. Hist. Soc.* 66 (3) : 539-541.
- KER 54 Ravi, N. (1970) 1971
Lindernia angustifolia (Benth.) Wettst.--a new record for South India. *Journ. Bombay Nat. Hist. Soc.* 67 : 611-613, fig. 5. Descr., from Kerala.

- KER 55 Ravi, N. 1976
Indigofera benthamiana Hance (Papilionaceae) —a new record from India. *Journ. Bombay Nat. Hist. Soc.* 73 : 242-243, pl. 1. Descr., from Kerala.
- KER 56 Sebastine, K. M. & Ramamurthy, K. 1966
 Some addition to the flora of the Presidency of Madras II. *Bull. Bot. Surv. India* 8 (1) : 80-81.
- KER 57 Sharma, B. D. & Rathakrishnan, N. C. 1978
 New orchid records from Kerala State. *Journ. Bombay Nat. Hist. Soc.* 75 (2) : 524-525. 3 new rec.
- KER 58 Sharma, B. D., Vivekananthan, K. & Rathakrishnan, N. C. 1974
Cassta intermedia (Caesalpiniaceae) —a new species from South India. *Proc. Indian Acad. Sci.* 80 : 301-306, fig. 16. From Kerala & Tamil Nadu.
- KER 59 Shetty, B. V., Karthikeyan, S. & Vivekananthan, K. (1973) 1976
 Notes on some interesting grasses from Southern India. *Bull. Bot. Surv. India* 15 : 276-278. *Eulalia thwaitesii* (Hack.) O. Ktze. —new record for India from Kerala. Key to 4 spp. of *Eulalia*; *Andropogon polyptychus* var. *deccanensis* Bor, merged with the species proper; notes on *Garnotia exaristata* P. W. Gould.
- KER 60 Sivarajan, V. V. 1975
Ipomoea micrantha Roem. & Schult. in Malabar, a new record. *Geobias* 2 : 122-123.
- KER 61 Sivarajan, V. V. & Manilal, R. S. (1970) 1972
 Notes on the occurrence of *Evolvulus nummularius* Linn. in Kerala State. *Bull. Bot. Surv. India* 12 : 279. Descr., distrib.
- KER 62 Sivarajan, V. V. & Manilal, K. S. 1972
Anisomeles indica var. *albiflora* (Hassk.) Backer —a new record for India. *Proc. Natn. Acad. Sci. India* 42B : 225-226, fig. 6. From Kerala. descr.

- KER 63 Sivarajan, V. V. & Manilal, K. S. 1973
A little known *Cereus* (Cactaceae) from India. *Proc. Natn. Acad. Sci. India* 43B : 128 pl. 1. Descr., distrib., phenology of *C. forbesii* Hort. Berol. ex Foerst, exotic, naturalised in Kerala.
- KER 64 Sivarajan, V. V. & Manilal, K. S. 1977
A new species of *Phyllanthus* from Kerala. *Journ. Indian Bot. Soc.* 56 : 165-168, fig. 6. *P. kozhikodianus*.
- KER 65 Sreekumar, P. V., Nair, V. J. & Nair, N. C. 1981
Dimeria copeana, a new grass from Kerala, India. *Journ. Bombay Nat. Hist. Soc.* 78 (3) : 577-579.
- KER 66 Subramanian, K. N. (1961) 1962
A note on *Centrosema virginianum* (L.) Benth. *Bull. Bot. Surv. India* 3 : 201-203, fig. 10. From Kerala & Karnataka, garden escape, descr. Contra F. Males. *Bull.* 4 : 1089.1963. "the identification is wrong, it is *C. pubescens* Benth."
- KER 67 Subramanian, K. N. 1970
Some plant records for Kerala State. *Indian Forester* 96 : 527-529. Enum. 23 spp., notes. loc., 3 new for S. India, 5 exotics & garden escape.
- KER 68 Thomas, K. J. 1963
A contribution to our knowledge of *Dalechampia tannifolia* Lam. *Journ. Bombay Nat. Hist. Soc.* 60 : 475-478, pl. 1. New rec. for S. India from Kerala, descr., compared with *D. velutiana* Wt.
- KER 69 Thoopathri, K. & Prasad, R. 1970
On *Centrosema virginianum* (Linn.) Benth. in India. *Curr. Sci.* 29 : 353. From W. Bengal, Kerala & Karnataka.
- KER 70 Vasudevan Nair, R. (1964) 1965
New record for *Hydrothrum wallichii* Hook. f in South India. *Journ. Bombay Nat. Hist. Soc.* 61 : 718-719, fig. 17. Descr., notes.

- KER 71 Vasudevan Nair, R. 1965
New record of *Utricularia minutissima* Vahl in South India. *Journ. Bombay Nat. Hist. Soc.* 62 : 180-182, fig. 20. Descr., notes from Kerala.
- KER 72 Vasudevan Nair, R. (1966) 1967
Struchtm sparganophorum (L.) O. Kuntze-- a new record for India. *Bull. Bot. Surv. India* 8 : 202-203, fig. 18. From Kerala, descr., notes.
- KER 73 Vasudevan Nair, R. 1968
A new species of *Nymphoides* (Menyanthaceae) from South India. *Kew Bull.* 22 : 101-106, fig. 3. *N. macrospermum* from Kerala.
- KER 74 Vasudevan Nair, R. (1968) 1969
A new record for *Ammania auriculata* Wild. (*A. senegalensis* Lamk.) from South India. *Bull. Bot. Surv. India* 10 : 238-239, fig. 17. Descr., from Kerala.
- KER 75 Vasudevan Nair, R. & Nair, K. K. 1967
Myrtophyllum tuberculatum Roxb. : a new record from Kerala State, South India. *Journ. Bombay Nat. Hist. Soc.* 64 (2) : 391-394, pl. 1. Descr., notes.
- KER 76 Vasudevan Nair, R. & Nambiar, V. P. K. (1966) 1967
A new record for *Ammania pygmaea* Kurz from South India. *Journ. Bombay Nat. Hist. Soc.* 63 (3) : 784-785, fig. 18. Descr., notes, distrib.

Agastiya Hills (In part)

- KER 77 Joseph, J. (1974) 1977
Pharus luridus Thw.--a new record for India, from Agastiya Hills, South India. *Bull. Bot. Surv. India* 16 (1-4) : 147-149, fig. 9. descr.

Agastiyamalai

- KER 78 Henry, A. N. (1964) 1965
A new species of *Euphorbia* from Agastiyamalai Hills, Madras State. *Bull. Bot. Surv. India* 6 : 329-330.

- KER 79 Henry, A. N. (1964) 1965
A new variety of *Elatostema lineolatum* Wt. from Agastya-
malai Hills, Madras State. *Bull. Bot. Surv. India* 6 : 317-318.
- KER 80 Henry, A. N. 1965
Anotis nummularia (Arn.) Hk. f.—A new record for India.
Sci. & Cult. 31 : 376-377.
- KER 81 Henry, A. N. (1965) 1966
A new species of *Laurembergia* Berg. (Haloragaceae) from
Madras State. *Journ. Bombay Nat. Hist. Soc.* 62 : 603-605.
- KER 82 Henry, A. N. 1966
Antidesma walkeri—A new record for India. *Curr. Sci.* 35 :
106.
- KER 83 Henry, A. N. (1966) 1967
A hitherto unlocalised *Rostellularia* Reichb. (Acanthaceae).
Bull. Bot. Surv. India 8 : 361-362.
- KER 84 Henry, A. N. 1967
A new *Tylophora* R. Br. (Asclepiadaceae) from South India.
Proc. Indian Acad. Sci. 65B : 161-164.
- KER 85 Henry, A. N. & Subramanyam, K. (1970) 1972
A new *Ophiorrhiza* Linn. (Rubiaceae) from South India. *Bull.*
Bot. Surv. India 12 : 277-278.
- KER 86 Henry, A. N. & Subramanyam, K. 1972
New or rare *Heilyotis* Linn. (Rubiaceae) from South India.
Proc. Indian Acad. Sci. 76B : 26-30.
- KER 87 Henry, A. N. & Subramanyam, K. (1971) 1973
Memeylon hookeri Thw. (Melastomataceae)—A new record
for India. *Bull. Bot. Surv. India* 13 : 165.
- KER 88 Henry, A. N. & Subramanyam, K. 1976
A new *Marsdenia* R. Br. (Asclepiadaceae) from South India.
Journ. Bombay Nat. Hist. Soc. 73 : 186-187.

- KER 89 Henry, A. N. & Chandrabose, M. (1973) 1976
Two new flowering plants from South India. *Bull. Bot. Surv. India* 15 : 142-145.
- KER 90 Henry, A. N. & Chandrabose, M. (1975) 1978
A new variety of *Neanotis monosperma* (Wt. & Arn.) Lewis (Rubiaceae) from South India. *Bull. Bot. Surv. India* 17 : 188-189.
- KER 91 Henry, A. N. (1981) 1983
Studies on the flora of Agastiyamalai and Surrounding regions in Tirunelveli Dist., Tamil Nadu. *Bull. Bot. Surv. India* 23 (1-4) : 42-45
- KER 92 Joseph, J. & Chandrasekaran, V. (1973) 1976
Eria muscicola (Lindl.) Lindl. var. *brevilinguis*, a new variety of orchid from Agastiyamalai, S. India. *Bull. Bot. Surv. India* 15 : 267-269, fig. 6., descr.

Aliyar

- KER 93 Sebastine, K. M. & Ramamurthy, K. (1966) 1967
Studies on the flora of Parambikulam and Aliyar submergible areas. *Bull. Bot. Surv. India* 8 (2) : 169-182. Enum. 292 spp., frequency, phenology, notes.

Anaimudi (Idukki Dist.)

- KER 94 Shetty, B. V. & Vivekananthan, K. (1968) 1969
New and little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala-I. A new variety of *Leucas vestita* Benth. *Bull. Bot. Surv. India* 10 (2) : 236-237, fig. 12. *L. vestita* var. *devicolamensis*, descr.
- KER 95 Shetty, B.V. & Vivekananthan, K. (1969) 1972
New or little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala II. A new species of *Hedyotis* Linn. *Bull. Bot. Surv. India*. 11 : 447-449.
- KER 96 Shetty, B. V. & Vivekananthan, K. (1970) 1972
New and little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala III : A new species of *Vernonia* Schreb. *Bull. Bot. Surv. India* 12 : 266-268.

KER 97 Shetty, B. V. & Vivekananthan, K. (1971) 1973

Studies on the vascular flora of Anaimudi and the surrounding regions, Kottayam District, Kerala. *Bull. Bot. Surv. India* 13 (1-2) : 16-42, tab. 6. Account of the veg., enum. 317 spp., notes on endemic taxa.

KER 98 Shetty, B. V. & Vivekananthan, K. (1972) 1975

New and little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala-4. Notes on some rare species. *Bull. Bot. Surv. India* 14 (1-4) : 19-23. Notes on 7 rare spp. & new rec. of *Juncus effusus* Linn.

KER 99 Shetty, B. V. & Vivekananthan, K. (1973) 1976

New and little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala : 5 ; a new variety of *Pogostemon travancoricus* Redd. *Bull. Bot. Surv. India* 15 (1 & 2) : 155-157. *P. travancoricus* var. *devicolamensis*, descr.

KER 100 Shetty, B. V. & Vivekananthan, K. (1975) 1978

New and little known taxa from Anaimudi and surrounding regions, Devicolam, Kerala-6 : An undescribed species of *Oberonia* Lindl. *Bull. Bot. Surv. India* 17 : 157-159.

Calicut**KER 101** Manilal, K. S. & Sivarajan, V. V. 1982

See under general

KER 102 Sivarajan, V. V. 1976

A new species of *Lindernia* (Scrophulariaceae) from India. *Kew Bull.* 31 : 151-153, fig. 10, t. 11. *L. manilalensis* sp. nov., descr.

KER 103 Sivarajan, V. V. & Manilal, K. S. 1975

A new record of *Mitrochloa parvifolia* (Vight) Webster from India. *Journ. Bombay Nat. Hist. Soc.* 72 (1) : 237. From Calicut cf. *Fl. Mal. Bull.* 29 : 2718, 1976. "Erroneously said to be a new plant for India c. f. Webster, *Act. Bot. Neerl.* 14 : 342-343. 1965".

Cannanore (Dist.)

KER 104 Nair, V. J. & Ramachandran, V. S. (1980) 1982

Five plant records for Kerala. *Journ. Bombay Nat. Hist. Soc.* 23 (1-4) : 193-194.

KER 105 Ramachandran, V. S. & Nair, V. J. 1981

Ethnobotanical studies in Cannanore district, Kerala State (India). *Journ. Econ. Tax. Bot.* 2 : 65-72. Discussion on 90 spp. with their ethnobotanical value.

Devicolan (Kottayam Dist.)

KER 106 Sebastine, K. M. & Vivekananthan, K. (1967) 1968

A contribution to the flora of Devicolan, Kottayam district, Kerala. *Journ. Bombay Nat. Hist. Soc.* 9 (1-4) : 163-185. Floristic account, enum. 538 spp., new rec. *Argostemma rostratum* for Peninsular India ; phenology, discussion.

Idukki (Dist.)

KER 107 Vivekananthan, K. (1981) 1983

Floristic studies in Idukki District, Kerala. *Bull. Bot. Surv. India* 23 (1-4) : 103-104. Floristic analysis.

Kariavattom

KER 108 Sreekumar, P. V. & Nair, N. C. 1981

Melochia nodiflora Swartz (Sterculiaceae)—a new record for India. *Journ. Bombay Nat. Hist. Soc.* 78 (2) : 424-425.

Kottayam (Dist.)

KER 109 John, C. M. 1961

Working plan for Kottayam Forest Division 1955-56 to 1969-70. Government Press, Trivandrum.

KER 110 Karunakaran, C. K. 1975

The second working plan for the Kottayam Forest Division 1970-71 to 1984-85. Government, Press, Ernakulam.

KER 111 Sreedhara Menon, 1975

Kerala District Gazetteer, Kottayam. Trivendrum.

KER 112 Varghese, T. G. (1979) 1980

Record of *Hyptis capitata* Jacq. (Labiatae) from Peninsular India. *Journ. Bombay Nat. Hist. Soc.* 76 (1) : 200-201.

Palghat

KER 113 Bremekamp, C. E. B. 1974

A new species of *Caldesia* from India with remarks on its inflorescence morphology. *Kew Bull.* 29 : 359-361. *C. hygrophylla*, descr.

KER 114 Joseph, J. & Vajravelu, E. (1978) 1979

First report of *Oberonia brachyphylla* Blatt. & McCann and *Smithsonia straminea* Saldanha (Orchidaceae) in Kerala. *Bull. Bot. Surv. India* 20 (1-4) : 169.

KER 115 Nair, R. V. 1975

A new species of *Rotala* from Palghat, Kerala. *Journ. Bombay Nat. Hist. Soc.* 72 (1) : 56-60. *R. malampuzhensis* ; descr.

KER 116 Vajravelu, E. & Ehargavan, P. (1981) 1983

Studies on the flora of Palghat District : Kerala *Bull. Bot. Surv. India* 23 (1-4) : 56-59.

KER 117 Vajravelu, E. & Joseph, J. 1968

A contribution to the flora of Palghat District, Kerala. *Bull. Bot. Surv. India* 10 : 67-83. Enum. 478 spp., frequency, phenology, notes.

Parambikulam (Trichur Dist.)

KER 118 Sebastine, K. M. & Ramanurthy, K. (1966) 1967

See under Aliyar.

Perchi

KER 119 Sasidharan, N. & Nambiar, V. P. K. 1981

Eleutheranthera sideralis (Sw.) Sch.- Bip. (Compositae)—a new record for South India. *Indian Journ. Forestry* 4 (3) : 240-241.

Peermade

KER 120 Vivekananthan, K. (1968) 1969

Notes on the occurrence of *Clerodendrum paniculatum* Linn. and *Trias stocksii* Benth. ex Hook. f. in South India. *Bull. Bot. Surv. India* 10 (2) : 240-241.

Punalur

KER 121 Ravi, N. 1970

Lindernia angustifolia (Benth.) Wettst. (Scrophulariaceae) —a new record for South India. *Journ. Bombay Nat. Hist. Soc.* 67 (3) : 611-613.

Quilon

KER 122 Chandrabose, M. & Srinivasan, S.R. (1976) 1979

Notes on some rare and interesting plants from South India. *Bull. Bot. Surv. India* 18 (1-4) : 236-238. Rec. of *Aeschynomene americana* in S. India from Quilon and notes on 2 little known spp.

KER 123 Chandrabose, M., Srinivasan, S.R. & Nair, N.C. 1979

Ipomaea triloba Linn. (Convolvulaceae)—a new record for South India. *Indian Journ. Forestry* 2 (1) : 23-24.

KER 124 Krishnameorthy, K. 1957-1973

Working Plan for the Quilon Forest Division.

Ranni Forest

KER 125 Narayana Pillai, K. 1958-1973

Working Plan for Ranni Forest Division. Kerala.

KER 126 Ravi, N. 1976

Indigofera benthamiana (Papilionaceae) —a new record from India. *Journ. Bombay Nat. Hist. Soc.* 73 (1) : 242-243.

Silent Valley

KER 127 Joseph, J., Ansari, R. & Mohanan, C.N. (1979) 1980

Burmannia champlonii Thw.—an addition to the flora of South India. *Journ. Bombay Nat. Hist. Soc.* 76 (3) : 552-553.

KER 128 Nair, N.C. & Bhargavan, P. 1982

Recent finds of some rare and little known plants from Silent Valley and its close vicinity. *Journ. Econ. Tax. Bot.* 3 : 295-302.

KER 129 Vajravelu, E. & Rathakrishnan, N.C. 1968

Aphyllorchis prainii Hook. f. (Orchidaceae) - a new record for South India. *Bull. Bot. Surv. India* 10 : 97-99. figs. 4. Deser.

Sultan Battery (Kozhikode Dist.)

KER 130 Ellis, J.L. Swaminathan, M.S. & Chandrabose, M. (1967) 1968

Studies on the vascular flora of Sultan's Battery and Chadaleth forest ranges, Kozhikode District, Kerala. *Bull. Bot. Surv. India* 9 (1-4) : 1-16, map 1. Enum. 370 spp.

Telecherry

KER 131 Nair, R.V. (1968) 1969

A new record for *Ammania auriculata* Willd. (*A. senegalensis* Lamk.) from South India. *Bull. Bot. Surv. India* 10 (2) : 238-259.

Travancore

KER 132 Barnes, E. 1939

The species of Gramineae occurring on the Travancore High Range, including the description of a new Balsam. *Journ. Indian Bot. Soc.* 18 (3) : 95-105.

KER 133 Bourdillon, T.F. 1893

Report on the forest of Travancore. Travandrum.

KER 134 Bourdillon, T.F. 1897

The re-discovery of *Strychnos rheedia* C. *Journ. Bombay Nat. Hist. Soc.* 10 : 693-694. Deser.

KER 135 Bourdillon, T.F. 1899

Description of some new or rare trees from travancore. *Journ. Bombay Nat. Hist. Soc.* 12(2) : 349-353.

- KER 136 Bourdillon, T.F. 1900
Description of a new species of *Ficus* from Travancore. *Journ. Bombay Nat. Hist. Soc.* 13 (1) : 155-156.
- KER 137 Bourdillon, T.F. 1908
The forest trees of Travancore. Trivandrum.
- KER 138 Davis, T.A. 1947
Abnormal palms of South Travancore. *Journ. Bombay Nat. Hist. Soc.* 47 (2) : 398-400.
- KER 139 Davis, T.A. 1948
Abnormal palms of Travancore. A bulbiferous cocoanut palm. (*Cocos nucifera* L.) *Journ. Bombay Nat. Hist. Soc.* 47 (3) : 527-529.
- KER 140 Davis, T.A. 1948
Abnormal banana of Travancore. *Journ. Bombay Nat. Hist. Soc.* 47 (4) : 700-704.
- KER 141 Davis, T.A. 1948
Abnormal palms of Travancore. Polycarpy in cocoanut (*Cocos nucifera* L.) *Journ. Bombay Nat. Hist. Soc.* 47 (4) : 704-706.
- KER 142 Krishnamoorthy, K. 1960
Myristica swamps in the evergreen forests of Travancore. *Indian Forester* 86 : 314
- KER 143 Lawson, M.A. 1893
Memories of a Botanical Tour to Travancore. *Rec. Bot. Surv. India* 1 : 55-60.
- KER 144 Legris, P. 1963
La vegetation de l'Inde : Ecologie et Flore. *Trav. Sect. Sci. et Tech. Inst. fr. Pondichery* 6 : 590.
- KER 145 Thothathri, K. 1972
Studies in Leguminosae --15. New taxa of *Dalbergia* Linn. f from India and Burma. *Rein. var. lita* 8 : 329-331. *D. travancorica* sp. nov. from Travancore, deser

KER 146 Rama Rao, M. 1914

Flowering plants of Travancore. Govt. Press, Trivandrum.

Trivandrum (District)

KER 147 Abraham, A. 1962

Flora of Trivandrum District : In Kerala District Gazetteer, Trivandrum. Trivandrum.

KER 148 Adriel, D. 1964-1974

Working Plan for Trivandrum Forest Division.

KER 149 Menon, S.A. 1962

Kerala District Gazetteer : Trivandrum. Trivandrum.

KER 150 Mohanan, M., Henry, A.N. & Nair, N.C. (1980) 1982

Some rare and fast disappearing plants discovered in Trivandrum district, Kerala, India. *Bull. Bot. Surv. India* 22 (1-4) : 105-108. Notes on 7 rare and fast disappearing endemic spp.

KER 151 Ravi, N. 1970

A new record for *Crotalaria incana* Linn. from South India. *Journ. Bombay Nat. Hist Soc.* 67 (1) : 132-133. Rep from Trivandrum, descr., notes.

KER 152 Thomas, K.J. 1976

Observations on the aquatic vegetation of Trivandrum; Kerala. — In Varshney, C.K. & Rzoska, J. (Eds.) *Aquatic Weeds in South East Asia*. Proc. of regional seminar on noxious aquatic vegetation, New Delhi. W. Junk, B.V. Publishers, The Hague, 99-102.

Veli Hills

KER 153 Thomas, J. 1962

A survey of the vegetation of Veli hills (Trivandrum) with special reference to ecological factors. *Journ. Indian Bot. Soc.* 41 (1) : 104-131, pl. 6, fig. 2, tab. 3-Faunm. 249 spp., frequency, phenology, local name.

GENERAL ADDITIONS

- KER 154 Manilal, K. S. & Kumar, C. S. 1984
A new species of *Eria* Lindl. (Orchidaceae) from India. *Journ. Econ. Tax. Bot.* 5 (2) : 483-486, figs. 6. *E. tiagii*.
- KER 155 Manilal, K. S. & Sahu, T. 1984
Discovery of two species of *Syzygium* Gaertn., hitherto endemic to Sri Lanka, from Silent Valley, India. *Journ. Econ. Tax. Bot.* 5 (2) : 418-420.
- KER 156 Manilal, K. S. & Sivarajan, V. V. 1976
Flowering plants of the Calicut University Campus, Calicut. Calicut University 1-24.
- KER 157 Mohanan, C. N., Pandurangan, A. G. & Raju, V. S. 1984
A note on unknown fruits of *Phaeanthus malabaricus* Bedd. (Annonaceae)- a rare and endemic plant from Southern India. *Journ. Econ. Tax. Bot.* 5 (2) : 399-400, pl. 1.
- KER 158 Mohanan, C. N., Pandurangan, A. G. & Raju, V. S. 1984
Some rare and interesting angiosperms taxa from the forests of Idukki Hydroelectric Project. *Journ. Econ. Tax. Bot.* 5 (2) : 455-459.
- KER 159 Nair, N. C. & Bhargavan, P. 1985
Notes on four interesting species of flowering plants of Kerala. *Journ. Econ. Tax. Bot.* 6 (3) : 709-710.
- KER 160 Nair, V. J., Ansari, R. & Sreekumar, P. V. 1985
On the collection of *Limnopoa mecholii* (Fischer) C. E. Hubb. (Gramineae); an extremely rare endemic and endangered species of Kerala. *Journ. Econ. Tax. Bot.* 7 (1) : 210-212, fig. 1.
- KER 161 Nair, V. J. & Sreekumar, P. V. 1984
Ischaemum nairii A new species of Poaceae from Kerala, India. *Journ. Econ. Tax. Bot.* 5 (5) : 1205-1208, figs. 18.
- KER 162 Pandurangan, A.G., Mohanan, C. N. & Nair, N. C. 1985
Rare or little known vascular plants from Idukki Hydroelectric Project area, Kerala, India. *Journ. Econ. Tax. Bot.* 6 (2) : 271-274., fig. 1. 4 spp., descr., distr., phenology.

- KER 163 Pandurangan, A. G., Ramachandran, V. S. & Mohanan, C. N. 1985

A new distributional record for *Hiptage acuminata* Wall. ex Juss. (Malpighiaceae) from Peninsular India. *Journ. Econ. Tax. Bot.* 6 (1) : 227-228, figs. 6.

- KER 164 Pandurangan, A. G. et al. 1984

A note on new distribution and undescribed fruits of the rare plant *Metrorhynchus vernalensis* (Bedd.) Gamble (Myrtaceae)- Kerala, India. *Journ. Econ. Tax. Bot.* 5 (5) : 1185-1188, pl. 1.

- KER 165 Prasad, P. N. & Abraham, Z. 1984

Ethnobotany of the Nayads of North Kerala. *Journ. Econ. Tax. Bot.* 5 (1) : 41-48.

- KER 166 Raju, V. S. & Mohanan, C.N. 1984

Claoxylon anomalum Hook. f. : A little and imperfectly known species from Southern India. *Journ. Econ. Tax. Bot.* 5 (5) : 1201-1204, fig. 1.

- KER 167 Ramachandran, V.S., Nair, V. J. & Nair, N. C. 1984

Notes on some interesting plants collected from Kerala. *Journ. Econ. Tax. Bot.* 5 (1) : 135-137.

- KER 168 Ramachandran, V. S., Nair, V. J. & Nair, N. C. 1984

Some plant records from Kerala State. *Journ. Econ. Tax. Bot.* 5 (1) : 139-141. Rec. 9 spp.

- KER 169 Ramachandran, V. S. Nair, V. J. & Nair, N. C. 1985

Notes on four endemic and rare species from Kerala, South India. *Journ. Econ. Tax. Bot.* 6 (2) : 263-265.

- KER 170 Ramachandran, V. S. et al. 1984

Stemodia verticillata (Mill.) Har. f. (Scrophulariaceae) A new record for India. *Journ. Econ. Tax. Bot.* 5 (4) : 939-940, pl. 1.

- KER 171 Ramachandran, V. S. et al. 1984

Pericoma bamblerum Puel. Har. ex Hook. f. - An addition to the grass flora of South India. *Journ. Econ. Tax. Bot.* 5 (5) : 1009-1011, figs. 9.

- KER 172 Rathakrishnan, N. C. & Chitra, V. 1984
Distribution of endemic orchids in Karnataka, Kerala and Tamil Nadu. *Journ. Econ. Tax. Bot.* 5 (5) : 1001-1006. List of 65 endemic species.
- KER 173 Sivarajan, V. V. 1984
Sauropus variery A new Euphorbiaceae from India. *Journ. Econ. Tax. Bot.* 5 (4) : 917-919, fig. 1.
- KER 174 Sivarajan, V. V. 1985
Lobelia zeylanica Linn. A misunderstood species and related taxa. *Journ. Econ. Tax. Bot.* 7 (1) : 221-223, figs. 6.
- KER 175 Sivarajan, V. V. & Babu, A. 1984
Floristic notes on some new elements in Indian flora. *Journ. Econ. Tax. Bot.* 5 (4) : 941-944, figs. 9. new descr. *Geissaspis tenella* Benth. var. *malabarica*.
- KER 176 Sivarajan, V. V., Basu, A. & Ahmed Kunju, T. U. 1985
Hyptis capitata Jacq. (Lamiaceae) A new record for India. *Journ. Econ. Tax. Bot.* 7 (1) : 224-225, figs. 6.
- KER 177 Vajravelu, E. & Bhargavan, P. 1984
Notes on some rare plants from South India-II. *Journ. Econ. Tax. Bot.* 5 (2) : 423-429, photo 4. Rec. 4 spp.

LAKSHADWEEP

The Laccadive, Minicoy and Amindivi now known as Lakshadweep (Capital Kavartti) constitute the smallest Union Territory in India. The territory comprising in all, several small, scattered coral islands in the Arabian Sea, off the Kerala coast. Out of these 27 islands only ten are inhabited.

The inhabited ten islands are as follows :

1. Minicoy : 4.4 sq. km., population 6658.
2. Kalpeni : 2.3 sq. km., population 3540.
3. Androt : 4.8 sq. km., population 6870.
4. Agatti : 2.7 sq. km., population 4108.
5. Kavaratti : 3.6 sq. km., population 6608.

6. **Anini** : 2.6 sq. km., population 5367.
7. **Kadmat** : 3.1 sq. km., population 3112.
8. **Kiltan** : 1.6 sq. km., population 2373.
9. **Chetlat** : 1.0 sq. km., population 1483.
10. **Bira** : 0.1 sq. km., population 181.

Vegetation and Important Floristic Elements

All the islands are almost plain land with the top soil comprising chiefly of fine disintegrated coral forming a white sandy layer admixed with vegetable humus. In general the soil is shallow in the beach and deeper towards the centre. The climate is humid tropical, a climate that prevails all along the Malabar coast. In the islands the environmental factors such as effect of tides, wave action, sea winds and saline water play a dominant role in determining the nature of vegetation. However, due to similar condition of soil, climate and rainfall, the floristic composition is almost same in all these islands. The vegetation can be divided into two major heads as follows :

1. **Sandy strand habitat** : The sandy strand habitat is again appear in two distinct zones. The pioneer zone occupying the seaward edges of all exposed sandy beaches and is characterised by the elements like: *Ipomaea pes-caprae*, *Remirea maritima*, *Oldenlandia herbacea*, *Pemphis acidula*, *Lavinaea sarmentosa*, *Cordia subcordata*, *Scaevola taccada*, *S. koenigii*, *Cleome viscosa*, *Suriana maritima* etc. The inner zone is stretch of fairly level ground comprising *Theyvesia populnea*, *Dodonaea viscosa*, *Gnettarda speciosa*, *Crotalaria nana*, *Sida cordifolia*, *Fimbristylis barbata*, *Phyla nodiflora*, *Tephrosia purpurea*, *Eclipta prostrata*, *Phyllanthus maderaspatensis*, *Scaevola taccada*, *Clerodendrum inerme*, *Hibiscus tiliaceus*, *Sida humilis*, *Cleome viscosa*, *Canavalia obtusifolia*, *Casuarina equisetifolia*, *Amaranthus gracilis* etc.
2. **Muddy shore and back waters** : This area under shallow water represents muddy appearance and the soil is rich in salts. Some important components are *Acanthus ilicifolius*, *Clerodendrum inerme*, *Ferris uliginosa*, *Avicennia officinalis*, *Rhizophora mucronata*, *Agaveas corniculatum*, *Ceriops tagal*, *Vitis cernosa*, *Colocasia antiquorum*, *Tylophora asthmatica* etc.

The important economical product of the territory are coconut and coir. The cultivable land available is about 2776 hectares. Other fruit plants cultivated as inter-crops are banana, papaya, guava, sapota and different varieties of citrus. As coconut is the main cultivated crop of the islands, the household industry is coir-making. As such four coir producing-cum-demonstration centres are functioning in the territory. Apart from coir making some people are engaged in making coral flowers, sea shell toys, coconut shell crafts, coir crafts etc. Fishing is also another important industry.

General

- LAK 1 Arora, R.K. & Agarwal, K.R. 1965
Observations on the vegetation of Malpe Coast and neighbouring islands (India). *Journ. Indian Bot. Soc.* 44 : 314-324.
- LAK 2 Ellis, R.H. 1924
A short account of the Laccadive Islands and Minicoy. Madras.
- LAK 3 Hume, A.O. 1896
The Laccadive and West Coast. *Stray Feathers* 4 : 413-460.
- LAK 4 Krishnaswami, S.Y. 1955
Report of the Special Inspection Officer of the Laccadive and Amindivi Islands. G.C. No. 1453. 22nd April 1955.
- LAK 5 Mannadiar, N.S. 1977
Lakshadweep. Gazetteer of India. Coimbatore.
- LAK 6 Prain, D. 1890
A list of Laccadive plants. *Sc. Mem. Med. Off. Army India* 3 : 47-70.
- LAK 7 Prain, D. 1892-1894
Botany of the Laccadives, being natural history notes from H.M.I.M. Survey steamer Investigator. *Journ. Bombay Nat. Hist. Soc.* 7(3) : 268-295. 1892 ; 7(4) : 460-486. 1893 ; 8(1) : 57-86. 1893 ; 488. 1894. (Reprinted in *Mem. and Memoir.* 301-389. 1894).
- LAK 8 Robinson, W. 1847
Description of the Laccadive Islands. *Madras Journ. Lit. Sci.* 14 : 5-46.

LAK 9 Sivadasan, M. & Joseph, K.T. (1981) 1983

A botanical trip to Lakshadweep. *Bull. Bot. Surv. India* 23(1-2) : 65-68. Discussion on topography, soil and vegetation, map 1.

LAK 10 Wadhwa, B.M. 1960

Studies on the vegetation of Laccadive and Amindivis Islands. *Proc. Indian Sci. Cong.* 3 : 417.

LAK 11 Wadhwa, B.M. (1961) 1962

Additions to the flora of Laccadive-, Minicoy and Amindivis groups of Islands. *Bull. Bot. Surv. India* 3 : 407-408. 11 spp. descr., distrib.

Amindivis Island

LAK 12 Wadhwa, B.M. (1961) 1962

See under Lakshadweep general.

Maldive

LAK 13 Willis, J.C. & Stanley Gardiner, J. 1901

The Botany of Maldive Islands. *Ann. Roy. Bot. Gard. Peradenya* 1 (2) : 45-164

Minikoi

LAK 14 Wadhwa, B.M. (1961) 1962

See under Lakshadweep general.

LAK 15 Willis, J.C. 1901

Notes on the flora of Minikoi. *Ann. Roy. Bot. Gard. Peradenya* 1 : 39-43.

MADHYA PRADESH

Madhya Pradesh (Capital Bhopal), the former Central Province is the largest state in India. Geographically the state consists of a plateau interspersed with the mountains of Vindhya and Satpura ranges and the valleys of the Narmada and Tapi. The main rivers are Chambal, Mahanadi, Tapi, Indravati, Narmada, Sheonath, Betwa, Sindh.

The State is divided into 45 districts as follows :

- (1) **Balaghat** : 9229 sq. km.; population 1147719; Dist. Hq. Balaghat.
- (2) **Bastar** : 39114 sq. km. (biggest district in India and is bigger than the state of Kerala); population 1840449; Dist. Hq. Jagdalpur.
- (3) **Betul** : 10043 sq. km.; population 924215; Dist. Hq. Betul.
- (4) **Bhind** : 4459 sq. km.; population 969920; Dist. Hq. Bind.
- (5) **Bhopal** : 2772 sq. km.; population 895815; Dist. Hq. Bhopal.
- (6) **Bilaspur** : 19897 sq. km.; population 2952086; Dist. Hq. Bilaspur.
- (7) **Chhatarpur** : 8687 sq. km.; population 885843; Dist. Hq. Chhatarpur.
- (8) **Chhindwara** : 11815 sq. km.; population 1232735; Dist. Hq. Chhindwara.
- (9) **Damoh** : 7306 sq. km.; population 271107; Dist. Hq. Damoh.
- (10) **Dasia** : 2038 sq. km.; population 311640; Dist. Hq. Dasia.
- (11) **Dewas** : 7020 sq. km.; population 794446; Dist. Hq. Dewas.
- (12) **Dhar** : 8153 sq. km.; population 1055826; Dist. Hq. Dhar.
- (13) **Durg** : 8537 sq. km.; population 1889929; Dist. Hq. Durg.
- (14) **East Nimar** : 10779 sq. km. ; population 1154830; Dist. Hq. Khandwa.
- (15) **Guna** : 11065 sq. km.; population 997025; Dist. Hq. Guna.
- (16) **Gwalior** : 5214 sq. km.; population 1111145; Dist. Hq. Gwalior.
- (17) **Hoshangabad** : 10037 sq. km.; population 1003291; Dist. Hq. Hoshangabad.
- (18) **Indore** : 3898 sq. km.; population 1405904; Dist. Hq. Indore.
- (19) **Jabalpur** : 10160 sq. km.; population 2199138; Dist. Hq. Jabalpur.

- (20) **Jhabua** : 6782 sq. km.; population 795834; Dist. Hq. Jhabua.
- (21) **Mandla** : 12269 sq. km.; population 1036134 ; Dist. Hq. Mandla.
- (22) **Mandsaur** : 9791 sq. km.; population 1262410; Dist. Hq. Mandsaur.
- (23) **Morena** : 11594 sq. km.; population 1301254; Dist. Hq. Morena.
- (24) **Narsinhapur** 5133 sq. km.; population 649701; Dist. Hq. Narsinhapur.
- (25) **Panna** : 7135 sq. km.; population 539853; Dist. Hq. Panna.
- (26) **Raigarh** : 12924 sq. km.; population 1442041; Dist. Hq. Raigarh.
- (27) **Raipur** : 21258 sq. km.; population 3075430. Dist. Hq. Raipur.
- (28) **Raisen** : 8466 sq. km.; population 708973; Dist. Hq. Raisen.
- (29) **Rajgarh** : 6154 sq. km.; population 801554; Dist. Hq. Rajgarh.
- (30) **Rajnandgaon** : 11127 sq. km.; population 1166475; Dist. Hq. Rajnandgaon.
- (31) **Ratlam** : 4861 sq. km.; population 783384, Dist. Hq. Ratlam.
- (32) **Rewa** : 6134 sq. km.; population 1205526; Dist. Hq. Rewa.
- (33) **Sagar** : 10252 sq. km.; population 1321918; Dist. Hq. Sagar.
- (34) **Satna** : 7502 sq. km.; population 1152209; Dist. Hq. Satna.
- (35) **Sehore** : 6578 sq. km.; population 656982; Dist. Hq. Sehore.
- (36) **Seoni** : 8758 sq. km.; population 809502; Dist. Hq. Seoni.
- (37) **Shahdol** : 14028 sq. km.; population 1343917; Dist. Hq. Shahdol.
- (38) **Shajapur** : 6196 sq. km.; population 840093; Dist. Hq. Shajapur.
- (39) **Shivpuri** : 10278 sq. km.; population 865386; Dist. Hq. Shivpuri.
- (40) **Sidhi** : 10226 sq. km.; population 988929; Dist. Hq. Sidhi.

- (41) Surguja : 22337 sq. km.; population 1631075; Dist. Hq. Ambikapur.
- (42) Tikamgarh : 5048 sq. km.; population 736512, Dist. Hq. Tikamgarh.
- (43) Ujjain : 6091 sq. km.; population 1116270; Dist. Hq. Ujjain.
- (44) Vidisha : 7371 sq. km.; population 783349; Dist. Hq. Vidisha.
- (45) West Nimar : 13450 sq. km.; population 1630682; Dist. Hq. Khargone.

Vegetation and Important Floristic Elements

The vegetation of the state can be divided mainly into tropical dry deciduous and tropical moist deciduous type. Some important floristic element are : *Adina cordifolia*, *Bridelia retusa*, *Kydia calycina*, *Madhuca indica*, *Glycosmis mauritiana*, *Symplocos laurina*, *Semecarpus unucardium*, *Dalbergia volubilis*, *Tectona grandis*, *Costus speciosus*, *Ventilago calyculata*, *Callicarpa arborea*, *Eurya japonica*, *Lagerstroemia pauciflora*, *Bomax ceiba*, *Acacia catechu*, *Pterocarpus marsupium*, *Anogeissus litifolia*, *Mollotus philippinensis*, *Grewia subinaequalis*, *Holarrhena antidysenterica*, *Cassia fistula*, *Emblica officinalis*, *Syzygium cumini*, *Terminalia bellerica*, *T. arjuna*, *T. alata*, *Butea monosperma*, *Aegle marmelos*, *Pongamia pinnata*, *Moghania semialata*, *Lawsonia inermis*, *Celastrus paniculata*.

Economy of the State is mainly agriculture-based though the state is rich in mineral and industrial resources. The valleys of Narmada and Tapti are formed of rich alluvial deposits whereas the plains have a lighter soil. Major crops of these regions are rice, wheat, sugarcane and oilseeds. Malwa region is rich in black cotton soil. Among the minerals are iron, coal, manganese and limestone. Nearly one-third of the State's area is covered with tropical forests which produce different timber yielding species like teak, sal, saja, bija, bamboo etc. Major industries are the Steel Plant at Bhilai, Bharat Heavy Electricals at Bhopal, Aluminium Plant at Korba, Newsprint Mill at Neeranagar and Alkaloid Factory at Neemuch.

Rare, Threatened and Endemics

Due to its extreme hot and humid climate and topography the State possesses dry tropical and moist tropical deciduous type of forests. A few plants that are found rare in this region are *Indigofera nanunularifolia*, *Sporobolus tetragonus*, *Aristida cumingiana*.

Sanctuaries, National Parks and Tiger Reserves

- (1) **Achanakmar Wild Life Sanctuary** : Bilaspur Dist.; 551.55 sq. km.; tropical moist deciduous; important faunal representatives: tiger, panther, bear, sambar, spotted deer, blue bull.
- (2) **Badal Khol Wild Life Sanctuary** : Raigarh Dist.; 104.45 sq. km.; tropical moist deciduous; important faunal representatives: tiger, panther sambar, spotted deer, blue bull.
- (3) **Bagdara Wild Life Sanctuary** : Sidhi Dist.; 478.00 sq. km.; important faunal representatives : sambar, spotted deer, black buck.
- (4) **Bandhavgarh National Park** : Shahdol Dist.; 105.00 sq. km.; tropical dry deciduous; important faunal representatives : tiger, leopard, bear, gaur, sambar, spotted deer, barking deer, blue bull, chinkara.
- (5) **Barnawapara Wild Life Sanctuary** : Raipur Dist ; 244.66 sq. km.; tropical moist deciduous; important faunal representatives : tiger, leopard, gaur, sambar, spotted deer.
- (6) **Bori Wild Life Sanctuary** : Hoshangabad Dist.; 518.00 sq. km.; tropical dry deciduous type, important floristic elements are -- *Adina cordifolia*, *Tectona grandis*, *Mitragyna parvifolia*, *Lagerstroemia parviflora*, *Pongamia pinnata*, *Dalbergia sissoo*, *Syzygium cumini*, *Madhuca indica*, *Grewia hirsuta*, *Celastrus paniculata*, *Terminalia arjuna*, *T. chebula*, *Carissa congesta*, *Securinega leucopyrus*, *Lawsonia inermis*, *Alysicarpus hamosus*, *Crotalaria hirta*, *C. linifolia*, *Dendrocalamus strictus*, *Costus speciosus* and various orchids like *Vanda tessellata*, *Aerides odoratum*. Important faunal representatives are : tiger, leopard, gaur, sambar, spotted deer.
- (7) **Gomarda Wild Life Sanctuary** : Raigarh Dist.; 136.38 sq. km.; tropical dry deciduous; important faunal representatives : tiger, leopard, sambar, spotted deer.
- (8) **Gandli Sagar Wild Life Sanctuary** : Mandsaur Dist.; 225.00 sq. km.; tropical moist deciduous; important faunal representatives : spotted deer, barking deer, waterbirds.
- (8a) **Ghatigaon Great Indian Bustard Wild Life Sanctuary** : Gwalior Dist.; 512 sq. km.; Important faunal representatives are : tiger,

leopard, wild dog, swamp deer, spotted deer, sambar, barking deer, mouse deer, black buck, four horned antelope, blue bull.

- (9) **Indravati National Park** : Bastar Dist.; 1258 sq. km.; mixed deciduous type. Important floral elements are—*Adina cordifolia*, *Bridelia retusa*, *Anogeissus latifolia*, *Kydia calycina*, *Semecarpus anucardium*, *Shorea robusta*, *Tectona grandis*, *Hiptage benghalensis*, *Dalbergia volubilis*, *Glycosmis mauritiana*, *Grewia hirsuta*, *Moghania paniculata*, *Urena lobata*, *Callicarpa arborea*, *Symplocos laurina*, *Costus speciosus*. Important grasses are *Cymbopogon martinii*, *Heteropogon contortus*, *Bothriochloa pertusa*, *Eragrostis diarrhena*. Important faunal representatives : tiger, leopard, sambar, spotted deer, swamp deer, gaur, wild-buffalo.
- (10) **Karela Great Indian Bustard Wild Life Sanctuary** : Shivpuri Dist.; 202 sq. km. ; important animals : great Indian bustard, partridge.
- (11) **Kanha National Park** : Mandla Dist.; 940 sq. km.; vegetation of the area can be divided into four distinct types (a) Sal Forest, (b) Mixed forest (mainly deciduous type). Some important floristic elements are : *Terminalia alata*, *T. bellerica*, *Anogeissus latifolia*, *Bridelia squalrosa*, *Mallotys philippinensis*, *Dalbergia paniculata*, *Sterculia urens*, *Mitragyna parvifolia*, *Lagerstroemia parviflora*, *Holarrhena antidysenterica*, *Flacourtia indica*, *Mucuna pruriata*, *Coccinia grandis*, *Hemidesmus indicus*, *Smilax zeylanica*, *Asparagus racemosus*, *Osbeckia chinensis*, *Xeromphis spinosa*. (c) Grasslands : Some luxuriant and common grasses are *Ischaemum indicum*, *Eragrostis unioloides*, *Cynodon dactylon*, *Chloris dolichostachya*, *Heteropogon contortus*. (d) Aquatic & marsh vegetation : Some dominant species are *Rotala rotundifolia*, *Ageratum coryzoides*, *Xanthium strumarium*, *Emilia sonchifolia*, *Limnophila indica*, *Polygonum barbatum*, *Saccharum spontaneum*, *Rumex dentatus*, *Evolvulus alsinoides*, *Tridax procumbens* etc. Important faunal representatives are : tiger, leopard, wild dog, swamp deer, spotted deer, sambar, barking deer, mouse deer, black buck, four horned antelope, blue bull.
- (12) **Ken Gharial Wild Life Sanctuary** : Panna—Chhatarpur Dist. : 45 sq. km. ; important animal representative : gharial.
- (13) **Khooni Wild Life Sanctuary** : Dewas Dist.; 123 sq. km.; tropical deciduous mixed type; important faunal representatives are : leopard, sloth bear, sambar, spotted deer, blue bull.

- (14) **Narsingarh Wild Life Sanctuary** : Rajgarh Dist.; 57.20 sq. km.; tropical dry deciduous type; important faunal representatives are leopard, sambar, spotted deer, wild bear.
- (15) **National Chambal Wild Life Sanctuary** : Morena Dist.; 3582 sq. km.; waterland; important faunal representatives : gharial, crocodile (under National Chambal Gharial project).
- (16) **Noradehi Wild Life Sanctuary** : Sagar-Damoh - Narasimhapur Dists.; 1035 sq. km. ; tropical dry deciduous; important faunal representatives : tiger, leopard, spotted deer, sambar.
- (17) **Palpur (Kuno) Wild Life Sanctuary** : Morena Dist.; 345 sq. km. ;
- (18) **Panchmarhi Wild Life Sanctuary** : Hoshangabad Dist.; 461.84 sq. km; tropical dry deciduous; important faunal representatives: tiger, leopard, sambar, spotted deer, gaur.
- (19) **Panna National Park** : Panna Dist. ; 543 sq. km. ; animal representatives : leopard, tiger, sambar.
- (20) **Panna Wild Life Sanctuary** : Panna Dist.; 478.80 sq. km.; tropical dry deciduous; important faunal representatives : tiger, leopard, sambar, spotted deer, black buck, chinkara.
- (21) **Pench Wild Life Sanctuary** : Seoni Dist.; 449.39 sq. km.; tropical dry deciduous; important faunal representatives : tiger, leopard, spotted deer, sambar, blue bull, gaur.
- (22) **Ratapani Wild Life Sanctuary** : Raisen Dist.; 530.67 sq. km.; tropical dry deciduous; important faunal representatives : tiger, leopard, sambar, spotted deer, chinkara, blue bull.
- (23) **Sanjay National Park** : Sidhi : Surguja Dists. ; 1938 sq. km.; animal representatives : tiger, sambar, chital, gaur.
- (24) **Sanjay (Dubri) Wild Life Sanctuary** : Sidhi Dist.; 364.59 sq. km.; tropical deciduous (Sal) ; important faunal representatives : tiger, leopard, gaur, sambar, spotted deer, blue bull.
- (25) **Satpura National Park** : Hoshangabad Dist. ; 524 sq. km. ; animal representatives : tiger, sambar, chital.
- (26) **Semarsot Wild Life Sanctuary** : Surguja Dist.; 430.00 sq. km.; tropical dry deciduous mixed forests and grassland; important faunal representatives : tiger, leopard, sambar, spotted deer, gaur.

- (27) **Sindhori Wild Life Sanctuary** : Raisen Dist; 287.91 sq. km; tropical dry deciduous; important faunal representatives : tiger, leopard, sambar, spotted deer, blue bull.
- (28) **Sirpur Wild Life Sanctuary** : Raipur Dist.; 43.57 sq. km.; tropical moist deciduous; important faunal representatives : partridges, red-jungle fowl, quails.
- (29) **Sitanadi Wild Life Sanctuary** : Raipur Dist.; 553.39 sq. km.; tropical moist deciduous; important faunal representatives : tiger, leopard, bear, sambar, spotted deer, blue bull.
- (30) **Shivpuri Madhav National Park** : Shivpuri Dist; 156.00 sq. km.; tropical dry deciduous; important faunal representatives : leopard, spotted deer, sambar, black buck, chinkara, blue bull.
- (31) **Son Gharial Wild Life Sanctuary** : Sidhi-Shahdol-Satna Dists; 20.00 sq. km. ; important faunal representative : gharial
- (32) **Tamor Pigla Wild Life Sanctuary** : Surguja Dist.; 608.53 sq. km. , tropical dry deciduous; important faunal representatives : tiger, leopard, gaur, sambar, spotted deer.

General

MDP 1 Balapure, K.M. (1965) 1956

Some plant records from the erstwhile Central Provinces and Berar. *Journ. Bombay Nat. Hist Soc.* 62(3) : 455-462. Enum. 43 spp.; introduction, notes, vern. names., loc.

MDP 2 Bhatia, K.K. 1959

A mixed teak forest of Central India. *Journ. Ecol.* 46 : 43-63.

MDP 3 Bhatia, K.K. 1959

Teak bearing forests of old Madhya Pradesh *Indian Forester* 85 : 710-722.

MDP 4 Burkill, J.H. 1910

A few observations made in the Central Provinces and Berar. *Journ. & Proc. Asiat. Soc. Bengal* 6 : 101-107. tt. 1-3.

- MDP 5 Chatterjee, D. 1948
Pygeum andersoni Hook. f. & *Pygeum mooneyi* Raizada.
Journ. Indian Bot. Soc. 27 : 9-11.
- MDP 6 Clouston, D. & Plymen, F.J. 1920
 Principal fodder grasses in Central Provinces and Berar.
Agric. Journ. India 15 : 380-385.
- MDP 7 Duthie, J.F. 1902
 Descriptions of some new species of Orchideae from North
 West and Central India. *Journ. Asiat. Soc. Bengal N.S.* II.
 71 : 37-45.
- MDP 8 Elwin, V. 1947
The Maria and their Ghotul. Bombay.
- MDP 9 Elwin, V. 1950
Maria Murder and Suicide. Bombay.
- MDP 10 Evans, G. 1908
Varieties of Wheat Grown in the Central Provinces and Berar.
 Nagpur.
- MDP 11 Forsyth, J. 1871
The Highlands of Central India. London.
- MDP 12 Graham, R.J.D. 1913-14
 Preliminary note on the classification of rice in the Central
 Provinces. *Mem. Dept. Agric. Indian. Bot.* 6 : 209-210.
- MDP 13 Griffith, W. 1842
 Remarks on a few plants from Central India. *Calcutta Journ.*
Nat. Hist. 3 : 361-367.
- MDP 14 Haines, H.H. 1912-1914
 List of trees, shrubs and economic herbs of the Southern
 Forest Circle of the Central Provinces. *Indian Forester*
 38 : 495-509.1912; 39 : 49-69.1913; 40 : 194-229, 264-283,
 330-355, 392-403, 429-449, 472-502.1914.
- MDP 15 Haines, H.H. 1914
 A new *Euphorbia*. *Indian Forester* 40 : 154.

- MDP 16 Haines, H.H. 1916
Descriptive List of Trees, Shrubs and Economic Herbs of the Southern Circle, Central Provinces, Allahabad.
- MDP 17 Haines, H.H. 1917
 A new species of *Acacia*. *Indian Forester* 43 : 88-90.
- MDP 18 Hemadri, K. 1971
 Two new species of Fabaceae from India. *Indian Forester* 97 : 65-69, fig. 8. *Alysicarpus vasavadae*.
- MDP 19 Henry, A.N. & Balakrishnan, N.P. 1961
 A new species of *Staurogyne* from Central India. *Bull. Bot. Surv. India* 3(2) : 205-206. *S. perpusilla*.
- MDP 20 Hewetson, C.E. 1940
 A note on the type of forest occurring in the higher parts of Central Provinces. *Indian Forester* 66 : 467-478.
- MDP 21 Hewetson, C.E. 1941
 Observation on the ecology of *Tectona grandis* in the Central Provinces. *Indian Forester* 67 : 617-629.
- MDP 22 Hewetson, C.E. 1951
 Preparation of a Flora for M.P. and the Central parts of the Indian Union. *Journ. Bombay Nat. Hist. Soc.* 50(2) : 431-433.
- MDP 23 Hewetson, C.E. 1953
 A discussion on the climatic climax communities in Central India. *Indian Forester* 79 : 310-320.
- MDP 24 Hole, R.S. 1906
A list of Trees and Shrubs and Economic Herbs in the Northern Forest Circle, C.P. Allahabad.
- MDP 25 Hole, R.S. 1917-1924
 New Indian Species of Forest Importance, part-3. *Indian Forester* 43 : 132-141. 1917; 50 : 572-587. 1924.
- MDP 26 Jain, N.K. 1958
 Composition of some Sal (*Shorea robusta* Gaertn. f.) forests of M.P. *Proc. Nat. Acad. Sci. India* 23 : 130-154.

- MDP 27 Jain, N.K. 1961
Inter-relations amongst different Sal forests of M.P. *Journ. Indian Bot. Soc.* 40 : 309-322.
- MDP 28 Jain, S.K. 1963
Observation on the ethnobotany of the tribals of M.P. *Vanyajati* 11(4) : 177-183, tt. 1-3.
- MDP 29 Jain, S.K. 1963
Studies in Indian Ethnobotany. Less known uses of fifty common plants from the tribal areas of M.P. *Bull. Bot. Surv. India* 5 : 223-226.
- MDP 30 Jain, S.K. 1966
Notes on Indian Grasses II. The identity and distribution of certain species. *Indian Forester* 92 : 362-367.
- MDP 31 Jain, S.K. & Tarafdar, C.R. 1963
Native plant remedies for snake-bites among adivasis of Central India. *Indian Med. Journ.* 57 : 307-309.
- MDP 32 Jain, S.K. & Tarafdar, C.R. 1963
Studies in Indian Ethnobotany—Plants used in medicine by the tribals of M.P. *Bull. Reg. Res. Lab. Jammu.* 1 : 126-129.
- MDP 33 Kaushik, J.P. 1969
A note on Commelinaceae of Northern Madhya Pradesh. *Journ. Bombay Nat. Hist. Soc.* 66(2) : 409-410.
- MDP 34 Kaushik, J.P. 1971
Studies on the foliar epidermis of Commelinaceae. *Proc. Indian Acad. Sci. Sec. B* 73 : 311-318.
- MDP 35 Khan, M.A.W. 1973
Madhya Pradesh Plants, Regional Press, Rewa. (M.P.).
- MDP 36 Kishna Murti, S. (1972) 1975
New records of two taxa for M.P. *Bull. Bot. Surv. India.* 14 (1-4) : 187.

- MDP 37 Krishna Murti, S. (1976) 1979
Contribution to the flora of Madhya Pradesh—new records of species. *Bull. Bot. Surv. India* 18 (1-4): 210-212. 5 new rec.
- MDP 38 Lal, J., Kumar, A. & Saran, R. 1982
New records of three species and one variety of the genus *Cuscuta* L. (Cuscutaceae) from Madhya Pradesh, India. *Journ. Econ. Tax. Bot.* 3(2): 581-583.
- MDP 39 Lal, R. & Panigrahi, G. 1967
Contribution to the Botany of Madhya Pradesh VI. *Bull. Bot. Surv. India* 9: 262-267.
- MDP 40 Mehta, D.N. & Dave, B.B. 1930
Short Survey of grassland problems in the C.P. *Agric. Journ. India* 25: 220.
- MDP 41 Misra, R. 1957
Ecological studies in M.P. Presidential Address—27th Session *Nat. Acad. Sci. India* (Biol. Sci) 1-11.
- MDP 42 Mooney, H.F. 1947
The occurrence of some indigenous species of Rosaceae in Bihar, Orissa and neighbouring states. *Journ. Indian Bot. Soc.* 26: 75-83.
- MDP 43 Nair, V.J., Singh, A.N. & Nair, N.C. 1981
Spodiopogon jainii Nair, A.N., Singh & Nair, N.C.—A new grass from Madhya Pradesh, India. *Curr. Sci.* 50 (16): 730-732.
- MDP 44 Pandey, S.C. 1960
Edaphic and climatic factors in determining distributional patterns of plants in M.P. forests with special reference to Sal. *Mem. Indian Bot. Soc.* 3: 35-42.
- MDP 45 Pandey, S.C. 1960
Status of Madhya Pradesh Grasslands. *Indian Soc. Trop. Ecol.* 1: 30

- MDP 46 Panigrahi, G & Arora, C.M. 1965
Contribution to the Botany of Madhya Pradesh II. *Proc. Nat. Acad. Sci.* 35 : 87-98.
- MDP 47 Panigrahi, G., Arora, C.M., Verma, D.M. & Singh, A.N. 1965
Contribution to the Botany of Madhya Pradesh III. *Proc. Nat. Acad. Sci.* 35 : 99-109. Families Ebenaceae to Convolvulaceae.
- MDP 48 Panigrahi, G., Arora, C.M. & Singh, A.N. 1966
Contribution to the Botany of the Madhya Pradesh I. (Dilleniaceae to Moringaceae). *Bull. Bot. Surv. India* 8 : 117-125. Enum. 164 spp., notes.
- MDP 49 Panigrahi, G. & Prasad, R. 1966
Contribution to the Botany of Madhya Pradesh IV. *Proc. Nat. Acad. Sci. India* 36B : 553-564. The families Euphorbiaceae to Urticaceae.
- MDP 50 Panigrahi, G. & Singh, A.N. 1967
Contribution to the Botany of Madhya Pradesh V. *Proc. Nat. Acad. Sci. India* 37B : 77-104. The family Leguminosae.
- MDP 51 Puri, G.S. 1953
Problems in the ecology of Sal (*Shorea robusta*) in M. P. *Bull. Bot. Soc. Univ. Sagar* 5 : 24-31.
- MDP 52 Rathakrishnan, N.C. & Singh, A.N. 1982
Habenaria barbata Wight—an interesting orchid record from Madhya Pradesh. *Journ. Econ. Tax. Bot.* 3 : 284.
- MDP 53 Roy, G.P. 1985
Grasses of Madhya Pradesh : Flora of India : Series 4. Botanical Survey of India, Howrah. 1-180, Figs. 16.
- MDP 54 Sagreiya, K.P. 1938
List of Common forest plants of the Central Provinces and Berar. *For. Bull.* 1 : 1-20.

- MDP 55 Sagreiya, K.P. 1979
Forest Nistar—Problems of Madhya Pradesh (A suggestion)
Indian Journ. Forestry 2 (4) : 287-291.
- MDP 56 Sagreiya, K.P. & Singh, B. 1959
Botanical and standardised Hindi names of important and
common forest plants of M.P. *Forest Bull.* 1. Gwalior.
- MDP 57 Sahni, K.C., Vaid, K M & Naithani, H.B. 1972
Additions to the Cyperaceae of Madhya Pradesh. *Indian
Forester* 98 (3) : 192-194.
- MDP 58 Saxena, H.O. 1972
Contributions to the flora of Madhya Pradesh I. New record
of plants for Central India. *Indian Forester* 98 : 363-365.
- (MDP 59 Saxena, H.O. 1973
Contribution to the flora of Madhya Pradesh II. (Interesting
records of Cyperaceae). *Indian Forester* 99 (8) : 505-507.
- MDP 60 Saxena, H.O., Shukla, S.G. & Indorkar, P.S. 1974
Occurrence of *Alectra parasitica* A. Rich. var. *chitrakutensta*
Rau in M.P. *Journ. Res. Indian Med.* 9 : 81-82.
- MDP 61 Sebastine, K.M. & Balakrishnan, N.P. 1963
A contribution to the flora of North—Eastern Madhya
Pradesh I, II & III. *Indian Forester* 89 : 486-491; 522-539;
612-621.
- MDP 62 Sen Gupta, G. (1977) 1979
A resume of botanical explorations and floristic studies in the
Central Indian State of Madhya Pradesh. *Bull. Bot. Surv.
India* 19 (1-4) : 71-88.
- MDP 63 Sen Gupta, G. 1983
Notes on two species collected from Eastern Madhya Pradesh.
Indian Journ. Forestry 6(4) : 326-327. Notes on *Aechmanthera
gossypina* (Nees) Nees & *Cymbidium macrorhizon* Lindl.

- MDP 64 Shukla, U. & Panigrahi, G. (1967) 1968
 Contributions to the Botany of Madhya Pradesh-VII. *Bull. Bot. Surv. India* 9 : 268-276.
- MDP 65 Shukla, U. & Roy, G.P. 1983
 A contribution to the grass flora of Madhya Pradesh-II. Some grasses new to flora of Madhya Pradesh. *Journ. Econ. Tax. Bot.* 4(1) : 283-286.
- MDP 66 Singh, V.K. & Pandey, G. 1975
Typhonium trilobatum (L.) Schott.—a new record to the flora of Madhya Pradesh. *Journ. Res. Indian Med.* 10 : 121-123.
- MDP 67 Singh, V.K. & Bhatnagar, L.S. 1975
Desmodium neomexicanum A. Gray, a new record to the flora of Madhya Pradesh. *Journ. Res. Indian Med.* 10 : 130-131.
- MDP 68 Sondhi, G.S. 1954
 The forests of Madhya Bharat. *Indian Forester* 80 : 810-815.
- MDP 69 Srivastava, R.C. 1983
 Insectivorous plants of Madhya Pradesh—a taxonomic study. *Journ. Econ. Tax. Bot.* 4(1) : 185-191. An account of insectivorous plants with key and enumeration.
- MDP 70 Srivastava, R.C. 1983
 A taxonomic study of the genus *Ipomoea* L. (Convolvulaceae) in Madhya Pradesh. *Journ. Econ. Tax. Bot.* 4(3) : 765-775. 16 spp.
- MDP 71 Stewart, J.L. & Brandis, D. 1874
The Forest Flora of North West and Central India : a handbook of the indigenous trees and shrubs of those countries. Commenced by the late J. Linday Stewart, M.D. ..contained and completed by Dietrich Brandis, London.
- MDP 72 Subramanyam, K. & Henry, A.N. (1966) 1967
 Vascular Plants of Madhya Pradesh. *Bull. Bot. Surv. India* 8 : 207-215.
- MDP 73 Tiwari, S.D.N. 1954
 Interesting food of Marias. *Indian Forester* 80 : 58.

- MDP 74 Tiwari, S.D.N. 1954-1955
The Grasses of Madhya Pradesh. *Indian Forester* 80 : 601-611, 681-689, 1854; 81 : 107-115, 191-200. 1955.
- MDP 75 Tiwari, S.D.N. 1963
Supplement to the Grasses of Madhya Pradesh *Indian Forester* 89 : 595-602.
- MDP 76 Tiwari, S.D.N. 1979
The phytogeography of Legumes of Madhya Pradesh (Central India). Bishen Singh Mahendra Pal Singh, Dehra Dun, India. 1-xvii + 1-612 pp. tab. 23. maps 39, pl. 33.
- MDP 77 Tiwari, S.D.N. & Maheshwari, J.K. 1963
The orchids of Madhya Pradesh. *Indian Forester* 89 : 426-444.
- MDP 78 Tiwari, S.D.N. & Maheshwari, J.K. 1964
The Cyperaceae of Madhya Pradesh I-II. *Indian Forester* 90 : 147-159, 616-629. Enum. of spp.
- MDP 79 Tiwari, S.D.N. & Maheshwari, J.K. 1965
The Commelinaceae of Madhya Pradesh. *Indian Forester* 91 : 580-590.
- MDP 80 Umat, D.S. 1960
Flowering studies on sugarcane in Madhya Pradesh. *Indian Sug.* 10: 171-173.
- MDP 81 Uppuhuri, M.R. & Satyavathi, U. 1968
Two new species of *Iseilema* Anderss. from India. *Journ. Bombay Nat. Hist. Soc.* 65(3) : 664-669.
- MDP 82 Vaid, K.M. & Naithani, H.B. 1978
Eupatorium capillifolium (Dog-furnel) naturalising in India. *Journ. Bombay Nat. Hist. Soc.* 78(2) : 413-415.
- MDP 83 Verma, D.M. (1977) 1979
A perspective on the floristic studies in the south-eastern corner of Madhya Pradesh and future needs. *Bull. Bot. Surv. India* 19(1-4) : 89-94.

- MDP 84 Verma, D.M. & Chandra, Vecna (1978) 1979
 Distributional notes on Cyperaceae. *Bull. Bot. Surv. India* 20
 (1-4) : 140-142. Notes on 12 spp.
- MDP 85 Verma, D.M. & Chandra, Vecna 1981
 Cyperaceae of Madhya Pradesh in *Rec. Bot. Surv. India*
 21 : 221-275.
- MDP 86 Wadhwa, B.M. 1960
 Distributional patterns of some plants of Central India.
Mem. Indian Bot. Soc. 3 : 13-26.

Amarkantak

- MDP 87 Misra, R. 1956
 The vegetation of Amarkantak. *Bull. Bot. Soc. Univ. Sagar*
 8 : 1-2.
- MDP 88 Saxena, H.O. (1970) 1972
 The Flora of Amarkantak (Madhya Pradesh). *Bull. Bot. Surv.*
India, 12 : 37-66. Introduction and enum. 635. spp.

Asirgarh Hills

- MDP 89 Maheshwari, J.K. 1960
 The vegetation of Asirgarh Hills (Madhya Pradesh). *Indian*
Forester 86 : 553-558.
- MDP 90 Maheshwari, J.K. 1961
 Weeds and alien plants from Asirgarh, M.P. *Journ. Bombay*
Nat. Hist. Soc. 58 (1) : 202-215.

Bailadilla

- MDP 91 Arora, C.M. 1968
 The Botany of Bailadilla, Bastar State, M.P. *Bull. Bot. Surv.*
India 10 : 61-66.
- MDP 92 Camp, W.H. 1949
 Geographical features of the flora of Bailadilla Range in Bastar
 State, C.P. *Ecol. Mongr.* 15 : 369-374.

MDP 93 Hora, S.L. 1949

Geographical features of the Flora of Bailadila Range in Bastar, State, C.P. *Proc. Nat. Inst. Sci. India* 15 : 369-373.

MDP 94 Mooney, H.F. 1942

A sketch of flora of the Bailadila Range in Bastar State. *Indian Forester* 3(7) : i-ii, 197-234, maps. 2.

MDP 95 Mooney, H.F. 1942

A sketch of the Flora of the Bailadila Range in Bastar State. *Indian For. Rec. N.S.* 3 : 197-253.

MDP 96 Saxena, H.O. 1973

Further contribution to the flora of Bailadila (M.P.) *Journ. Bombay Nat. Hist. Soc.* 70 (3) : 586-596. First rep. of 65 spp. from the area.

Bandhavagarh

MDP 97 Tiwari, S.D.N. 1968

Flora of Bandhavagarh. *Indian Forester* 94 : 571-584.

Bansapur

MDP 98 Tiwari, S.D.N. 1972

Flora of Bansapur. *Botanique* 3 : 73-84.

Bari Bareli (Raisen District)

MDP 99 Gupta, B.V. (1975) 1978

On a collection of grasses from Bari-Bareli range (Raisen District), M.P. *Bull. Bot. Surv. India* 17 (1-4) : 71-74. A systematic account of grasses.

MDP 100 Gupta, B.V. 1977

A contribution to the flora of Bari-Bareli range (Raisen District), M.P. *Journ. Bombay Nat. Hist. Soc.* 71 (Suppl.) : 657-682. Enum.

Baroda**MDP 101** Oza, G.M. 1979

Botanical note on *Agave angustifolia* Haw. var. *marginata* Trel. a new record for India. *Indian Journ. Forestry* 2 (4) : 368-369.

Bastar (District)**MDP 102** Gregson, W.V. 1949

The Maria Gonds of Bastar. ed. 1. 1938 ; ed. 2. London (with a supplement).

MDP 103 Jain, S.K. 1962

From hunting to harvesting—the changing tribal life in Bastar. *Symp. Int. Soc. Trop. Ecol.* 2.

MDP 104 Jain, S.K. 1963

Magico-religious beliefs about plant among the tribals of Bastar. *Quart. Journ. Mythic Soc.* 54 : 73-94.

MDP 105 Jain, S.K. 1964

Wild plant-foods of the tribals of Bastar (M.P.). *Proc. Nat. Inst. Sci. India* 30B : 56-80.

MDP 106 Jain, S.K. 1965

Medicinal plantlore of the tribals of Bastar. *Econ. Bot.* 19 : 236-250.

MDP 107 Mooney, H.F. 1947

A note on southern limit of Sal (*Shorea robusta*) in Orissa and Bastar State. *Indian Ecol.* 20 : 27-31.

MDP 108 Narayanaswami, V. 1941

A new *Gymnosporia* from Bastar State, India. *Journ. Indian Bot. Soc.* 22 : 191-193.

MDP 109 Raizada, M.B. 1947

On *Pygeum mooneyi*. *Indian Forester* 73 : 74

- MDP 110 Roy, J.K. & Rao, R.K. 1957
Investigations on the diet of the Muria of Bastar district.
Bull. Dept. Anthrop. Govt. India 6 : 33-45.
- MDP 111 Saxena, H.O. 1971
A parasite (*Viscum orientale*) on another (*Dendrothoe falcata*). *Journ. Bombay Nat. Hist. Soc.* 68 (2) : 502.
- MDP 112 Saxena, H.O. & Khotole, S.N. 1976
A contribution to the flora of Bastar (Madhya Pradesh).
Journ. Bombay Nat. Hist. Soc. 73 (1) : 21-34. List of 319 spp.
- MDP 113 Subramanyam, K. & Henry, A.N. 1966
Vascular plants of Bastar, Madhya Pradesh. *Bull. Bot. Surv. India* 8 : 207-215, map 1.
- Berar**
- MDP 114 Balapure, K.M. (1965) 1966
Some plant records from the erstwhile Central Province and Berar. *Journ. Bombay Nat. Hist. Soc.* 62 : 455-462. Enum. 43 spp. ; introduction, notes, vern. names, loc.
- MDP 115 Burkill, I.H. 1910
See under general.
- MDP 116 Evans, G. 1908
See under general.
- MDP 117 Witt, D.O. 1908
List of Trees, shrubs and climbers and other plants of Economic importance in the Berar Forest Circle of the Central Provinces, Nagpur (outer title of the book is *Forest Flora of the Berar Circle*).
- MDP 118 Witt, D.O. 1911
Forest Flora of the Berar Circle II (Grasses), Nagpur.
- MDP 119 Witt, D.O. 1916
Descriptive List of Trees, Shrubs, Climbers and Economic Herbs of the North and Berar Forest Circle, Central Provinces. Allahabad.

Berar Forest Circle

MDP 120 Witt, D.O. 1911

List of fodder grasses in the Berar Forest Circle.

Berhampur

MDP 121 Misra, M.K. & Misra, B.N. 1979

Biological spectrum of a tropical grassland community of Berhampur. *Indian Journ. Forestry* 2 (4) : 313-315.

Bhopal (District)

MDP 122 Chaghtai, S.A. & Garg, A. (1979) 1980

New records of Euphorbiaceae from Madhya Pradesh. *Journ. Bombay Nat. Hist. Soc.* 76 (2) : 371-372. 6 new rec.

MDP 123 Oomachan, M. 1966

Ecology and systematics of Bhopal Plants-I. Rainy season Plants. *Proc. School. Pl. Ecol., Banaras Hindu Univ.* 193-208.

MDP 124 Oomachan, M. 1974

Flower colour spectrum of Bhopal (India). *Geobios* 1 : 34-36.

MDP 125 Oomachan, M. 1976

The Flora of Bhopal. Bhopal.

MDP 126 Oomachan, M. & Billore, K.V. (1969) 1971

Asteraceae of Bhopal (M.P.)—a systematic study. *Bull. Bot. Surv. India* 11 (1 & 2) : 35-40, fig. 33 tab. 1. Key to 23 genera & 35 spp. notes.

MDP 127 Oomachan, M. & Dwivedi, R. 1975

Studies on the Winter Season Plants of Bhopal. *Geobios* 2 : 169-173. Enum. 115 spp.

MDP 128 Oomachan, M. & Khan, A.H. 1976

Studies on the Summer Season Plants of Bhopal. *Geobios* 3 : 84-97. Enumeration of 128 spp.

MDP 129 Oomachan, M. & Khan, A.H. 1977

Studies on the Lamiales of Bhopal and its contiguous regions in M.P. *Geobios* 4 : 57-58.

MDP 130 Oumachan, M. & Kluare, R. 1976

Studies on the unisexuales of Bhopal and its contiguous regions in M.P. *Geobios* 3 : 207-203.

MDP 131 Pillai, K.R.N. 1954

The Forests of Bhopal State. *Indian Forester* 80 : 774-778.

Bilaspur

MDP 132 Murti, S.K. (1972) 1975

New records of two taxa for Madhya Pradesh. *Bull. Bot. Surv. India* 14 (1-4) : 187.

MDP 133 Murti, S.K. (1975) 1978

Aliens naturalised in the flora of Bilaspur, M.P. *Bull. Bot. Surv. India* 17(1-4) : 87-96. Introduction and enum. 68 spp. of flowering plants in the area.

MDP 134 Murti, S.K. (1979) 1981

Two new records of species for Madhya Pradesh. *Bull. Bot. Surv. India* 21 (1-4) : 183-186. *Althaea ludwigii* L. Mant. & *Lepidagathis purpuricaulis* Wall.

MDP 135 Waheed Khan, M.P. 1960

Ecology and potentiality of the bamboo forests of Bilaspur Division, Madhya Pradesh. *Indian Forester* 86 : 575-589.

Bori Reserve Forest (Hoshangabad Dist.)

MDP 136 Joseph, J. (1963) 1964

Contribution to the flora of the Bori Reserve Forest, Hoshangabad district, Madhya Pradesh. *Bull. Bot. Surv. India* 5 : 281-299, map 1. Name list, 432 spp.

MDP 137 Kadambi, K. 1952

On the occurrence of *Bambusa polymorpha* Linn. in Bori R.F. Valley, Hoshangabad Division, M.P. *Indian Forester* 78 : 506.

MDP 138 McDonald, T. 1940

Bori Reserve, 1839-1940. *Indian Forester* 66 : 529-543.

MDP 139 Mukherjee, A. K. 1984

Flora of Pachmarhi and Bori Reserves. Flora of India : Series 3. Botanical Survey of India, Howrah. pp. i-vi+1-407.

Bundelkhand

MDP 140 Coombs, G. O. 1917

Notes on *Urginea indica* Kunth. (Vernacular Korikan or 'Kaudri') found in Bundelkhand and adjacent Central India States. *Indian Forester* 43 : 80-85.

Chambal

MDP 141 Agarkar, D. S. (1969) 1972

Enumeration of the plants of lower Chambal Valley ravines, M. P. *Bull. Bot. Surv. India* 11 : 398-405.

MDP 142 Kaul, O. N. 1963

Bamboo in Chambal ravines. *Indian Forester* 83 : 194-199.

Changbhakhar Forest Division

MDP 143 Suri, S. K. 1978

Taxonomic enumerations of common plants of Changbhakhar Forest Division, Madhya Pradesh. *Indian Forester* 104 (3) : 189-201.

Chhatarpur

MDP 144 Datta, B. & Roy, G. P. 1983

Ceratophyllum submersum L. (Ceratophyllaceae)—a new record for Upper Gangetic Plain. *Journ. Econ. Tax. Bot.* 4 (1) : 305-307.

Daulatpur

MDP 145 Mall, L. P. 1968

Ecology of Daulatpur and Kalakund forests of Madhya Pradesh. *Proc. Symp. Recent Adv. Trop. Ecol.* 2 : 398-406. ISTE, Varanasi.

East Nimar

MDP 146 Maheshwari, J. K. 1962

Notes on the flora of black cotton soil in East Nimar, Madhya Pradesh. *Indian Forester* 88 : 115-135.

Ghatera

MDP 147 Misra, R. 1953

Vegetation of Ghatera. *Bull. Bot. Soc. Univ. Sagar* 3 : 12-18.

Gwalior

MDP 148 Anonymous 1905

The forests of Gwalior State (Based on a report compiled by J. D. St. Joseph). *Indian Forester* 31 : 535-538.

MDP 149 Agarkar, D. S. & Tuteja, S. C. 1965

Notes on the flora of Greater Gwalior (Madhya Pradesh). *Journ. Vikram Univ.* 9 : 117-133.

MDP 150 Kaushik, J. 1969

On *Cuscuta reflexa* Roxb. in Gwalior, M. P. *Journ. Bombay Nat. Hist. Soc.* 66 (3) : 663-665.

MDP 151 Kenoyer, L. A. 1924

Weed Manual of Gwalior State. Calcutta.

MDP 152 Luard, C. I. 1912

Gazetteer of Gwalior State (Hindi ed). Allahabad.

MDP 153 Pathak, V. M. 1926

Medicinal plants of Gwalior. Gwalior.

Hoshangabad

MDP 154 Chacko, V. J., Rawat, A. S., Dave, P. C. & Singh, S. 1965

Bamboo pilot survey of Bori, Hoshangabad Forest Division, M. P. *Indian Forester* 91 : 481-497.

MDP 155 Tiwari, B. C. 1965

Working plan for the East Bhopal Division, Hoshangabad Circle. M.P. Vol. 1. (Part 1 & 2).

Indore (District)

MDP 156 Biscoe, W. F. 1910

A list of Trees and Shrubs of the Indore State. Bombay, p. 108.

MDP 157 Rao, A. S. & Sastry, A. R. K. (1964) 1965

Account of the flowering plants of Indore district in Madhya Pradesh. *Bull. Bot. Surv. India* 6 : 267-286, map. 1. Plant list, 566 spp.

MDP 158 Saxena, H. O. 1970

Utricularia australis R. Br.--a new record for India from Indore (M. P.). *Indian Forester* 96 : 249-250.

Jabalpur (District)

MDP 159 Hole, R. S. 1904

A contribution to the forest flora of Jubbalpore division, C. P. *Indian Forester* 30 : 499-514, 566-592.

MDP 160 Seerwani, A. B. (1962) 1963

A study in the Hydrophytes and plants of lowlying habitats in Jabalpur. *Bull. Bot. Surv. India* 4 (1-4) : 227-231, tab. 1. Plant list, veg. notes.

Jaspur

MDP 161 Wood, J. J. 1903

Plants of Chutia Nagpur including Jaspur and Sirguja. *Rec. Bot. Surv. India* 2 (1) : 1-170.

Kalakund Forest

MDP 162 Mall, L. P. 1968

See under Daulatpur.

Kanha National Park

MDP 163 Maheshwari, J. K. (1963) 1964

A contribution to the flora of Kanha National Park, Madhya Pradesh. *Bull. Bot. Surv. India* 5 (2) : 117-140, fig. 2. photo. 8. Plant list.

MDP 164 Martin, C. & Huber, M. L. 1973

Zur Grassland des Kanha National Park. *Vierteljahrsschr Naturforsch. Ges. Zurich*. 118 (1) : 11-21.

Khandesh

MDP 165 Puri, G. S. Jain, S. K. & Deshpande, U. R. 1960

Observations on grasslands of Khandesh. *Gosamvardhane* 8 : 1-4, pl. 1. List.

Khandwa (District)

MDP 166 Maheshwari, J. K. 1958

The woody plants of Khandwa (Madhya Pradesh). *Bull. Bot. Soc. Univ. Sagar* 10 : 27-50.

MDP 167 Maheshwari, J. K. 1960

The origin and distribution of the naturalised plants of Khandwa Plateau, Madhya Pradesh. *Journ. Biol. Sci.* 3 : 9-19.

MDP 168 Maheshwari, J. K. 1960

Vegetation of Marshes, Swamps and Riverside in Khandwa district (Madhya Pradesh). *Journ. Bombay Nat. Hist. Soc.* 57 (2) : 371-387.

MDP 169 Maheshwari, J. K. (1960) 1961

The Grassy scrub vegetation of Khandwa plateau, Madhya Pradesh. *Bull. Bot. Surv. India* 2 (3 & 4) : 349-356.

Khari Reserve Forest (Mandla Dist.)

MDP 170 Joseph, J. & Vajravelu, E. (1967) 1968

A contribution to the flora of khari reserve forest, Mandla district, Madhya Pradesh. *Bull. Bot. Surv. India* 9 (1-4) : 17-30. Plant list.

Kolaras Range (Shivpuri Dist.)

MDP 171 Verma, R. 1976

Phytosociological studies of Kolaras range, Dist. Shivpur (M. P.). *Journ. Jiwaji Univ.* 4 (1) 47-54.

MDP 172 Verma, R. & Das, R. R. 1981

Ecological studies on the forests of Kolaras range. *Indian Journ. Forestry* 4 (2) : 123-128. Discussion on veg.

Marble Rock (Jabalpur Dist.)

MDP 173 Balapure, K. M. (1966) 1967

A botanical tour to the Marble rocks, Jabalpur. *Bull. Bot. Surv. India* 8 : 189-196.

Pachmarhi

MDP 174 Bir, S. S. & Kumari, Santosh 1977

Evolutionary status of Leguminosae from Pachmarhi, Central India. *Nucleus* 20 : 94-98.

MDP 175 Bir, S. S. & Kumari, Santosh (1980) 1982

Additions to the Papilionaceous flora of Pachmarhi Hills, Madhya Pradesh. *Bull. Bot. Surv. India* 22 (1-4) : 45-50. Enum. 99 spp., 9 new rec. for M. P.

MDP 176 Kapoor, S.L. & Yadav, H.L. 1962

Further contribution to the flora of Pachmarhi region. *Indian Forester* 88 : 272-276.

MDP 177 Mukherjee, A.K. 1984

See under Bori.

MDP 178 Rao, R.S. & Narayanaswami, V. 1960

A contribution to our knowledge of the flora of Pachmarhi Plateau and adjoining regions. *Journ. Indian Bot. Soc.* 39 : 227-242.

MDP 179 Saxena, H.O. 1966

Utricularia arenaria A.DC. — a new record for India from Pachmarhi (M.P.) *Indian Forester* 92 : 493-494.

MDP 180 Saxena, H.O. (1971) 1973

A contribution to the flora of Pachmarhi (Madhya Pradesh). *Bull. Bot. Surv. India* 13 (1 & 2) : 79-93. Enum. and rec. of 304 spp. of flowering plants and ferns from the area, 16 new rec. for M.P., 12 new rec. for C. India.

Patakot

MDP 181 Saxena, H.O. & Shukla, S.G. (1970) 1972

On a collection of plants from Patakot (Madhya Pradesh).
Bull. Bot. Surv. India 12 : 188-202. Enum. 419 spp. ; 4 new
rec. for Central India.

Patharia Hills

MDP 182 Joshi, N.K. & Misra, R. 1952

The forest complex of Patharia Hills, Sagar. *Journ. Indian
Bot. Soc.* 31 : 154-170.

Pithorogarh (District)

MDP 183 Singh, V & Singh, H 1972

A contribution to the flora of Gangolihat Block in Pithora-
garh district. *Journ. Bombay Nat. Hist. Soc.* 69 : 352-368.

Raipur

MDP 184 Unni, K.S. 1966

Occurrence of *Streptonema trilobatum* Wall. at Raipur,
Madhya Pradesh. *Journ. Bombay Nat. Hist. Soc.* 63 (2) : 465.

MDP 185 Unni, K.S. 1967

Studies on the vegetation of ponds, swamps and river banks
in Raipur, Madhya Pradesh. *Journ. Bombay Nat. Hist. Soc.*
64 : 95-102, tab. 1., map 1.

MDP 186 Unni, K.S. 1967

Compositae of Raipur and its neighbourings. *Journ. Bombay
Nat. Hist. Soc.* 64 (1) : 333-338. Enum.

MDP 187 Verma, D.M. & Lal, J. 1982

Genus *Polypleurum* (Tay. ex Tul.) Warming (Podostemaceae)
—new to Central India. *Journ. Econ. Tax. Bot.* 3 (2) :
645-647, figs. 1-10.

MDP 188 Verma, D.M., Pant, P.C. & Hanfi, M.I. 1985

Flora of Raipur, Durg and Rajnandgaon. Flora of India.
Series 3. Botanical Survey of India, Calcutta. i-xx+1-524,
map 1, photo 5.

Rajgarh (District)

MDP 189 Wadhwa, B.M. 1960

Studies on the vegetation of Rajgarh district of M.P. *Bull. Inst. Soc. Trop. Ecol.* 1 : 37.

Rewa

MDP 190 Sengupta, G. & Lal, R. (1978) 1979

Notes on the distribution of *Elatostema cuneatum* Wt. (Urticaceae). *Bull. Bot. Surv. India* 20 (1-4) : 168. New rec.

Sagar

MDP 191 Bhargava, H.R. & Bhattacharyya, S. 1957

An artificial key to the Leguminosae of Sagar. *Bull. Bot. Soc. Univ. Sagar* 9 : 44-62.

MDP 192 Bhattacharyya, S. 1955

A list of Leguminous plants of Sagar and their distribution within the area. *Bull. Bot. Soc. Univ. Sagar* 7 : 45-54.

MDP 193 Khare, V.S. & Sharma, P.C. 1976

Ecology of Solha Sagar Pond. *Geobios* 3 : 66-67.

MDP 194 Mall, L.P. 1960

Pattern of Forests on soils of basalt and sand stone in Sagar. *Mem. Indian Bot. Soc.* 3 : 32-34.

MDP 195 Misra, R. 1957

The vegetation of Sagar, M.P. *Journ. Indian Bot. Soc.* 36 : 600-601.

MDP 196 Pandey, H.N. 1982

A rare grass from Sagar (M.P.) India. *Indian Journ. Forestry* 5 (2) : 162-163.

MDP 197 Pandey, S.C. 1951

An ecological study of the vegetation of Sagar. *Bull. Bot. Soc. Univ. Sagar* 1 : 3-5.

- MDP 198 Pandey, S.C. 1952
Grasslands of Sagar, Madhya Pradesh. *Indian Forester* 78 : 638-654.
- MDP 199 Pandey, S.C. 1952-1953
Flora of the University area and neighbourhood. *Bull. Bot. Soc. Univ. Sagar* 2 : 16-23, ; 3 : 32-38.
- MDP 200 Pandey, S.C. 1957
Grassland types of Sagar, M.P. *Journ. Indian Bot. Soc.* 36 : 593-594.
- MDP 201 Pandey, S.C. 1961
Ecology of grasslands of Sagar I. *Journ. Indian Bot. Soc.* 4 : 592-600.
- MDP 202 Pandey, S.C. 1964
Ecology of grasslands of Sagar, Madhya Pradesh. 2A. Composition of the fenced grassland associations ; 2B. Composition of the association open to grazing or occupying special habitat. *Journ. Indian Bot. Soc.* 43 : 577-605 ; 606-639.
- MDP 203 Pandey, S.C. 1969
Ecology of grasslands of Sagar III. Edaphic factors in the distribution of grassland association. *Trop. Ecol.* 10 : 163-182.
- MDP 204 Prasad, R. & Misra, G.P. 1981
Establishment of natural regeneration with special reference to dying back in dry deciduous teak forests of Sagar (M.P.) *Indian Journ. Forestry* 4 (3) : 165-172.
- MDP 205 Sahu, T.R. 1982
Eupatorium capillifolium (L.) Small (Asteraceae-Eupatoriaceae): A new record from India. *Curr. Sci.* 51 (8) : 440-441.
- MDP 206 Singhai, L.C. 1954
The Cyperaceae of Sagar. *Bull. Bot. Soc. Univ. Sagar* 6 : 24-25.
- MDP 207 Srivastava, J.P. 1951
An ecological study of the vegetation of Sagar Lake. *Bull. Bot. Soc. Univ. Sagar* 1 : 7-9.

MDP 208 Trivedi, T.S. 1960

Status of grasslands of Sagar. *Bull. Inst. Soc. Trop. Ecol.* 1 : 30-31.

Satna

MDP 209 Sharma, B.D. & Mangain, R.M. 1983

Angiospermic flora of District Satna (M.P.) *Journ. Econ. Tax. Bot.* 4 (1) : 1-79. Preliminary account of Angiospermic flora, enum. 392 spp.

Satpura

MDP 210 Biswas, K. & Sampatkumaran, M.S. 1949

Botanical notes on the Satpura Theory. *Proc. Nat. Inst. Sci. India* 15 : 365-367.

MDP 211 Karnik, C.R. 1966

Some medicinal plants from Satpura mountains. *Indian Forester* 92 : 173-183. Enum. 50 spp., distrib., loc. names, phenology, notes.

MDP 212 Karnik, C.R. 1967

Effect of fire on the dry deciduous forests of Satpura mountains. *Trop. Ecol.* 8 : 110-116.

MDP 213 Mukherjee, S.K. 1923

Plant succession in Satpura Range near Pachmarhi. *Journ. Indian Bot. Soc.* 3 : 262.

Sheopur

MDP 214 Anonymous 1972

Working plan of Sheopur Forest Division.

MDP 215 Tuteja, S.C. & Singh, V. 1980

The botany of Sheopur forest division of Madhya Pradesh I. Geology and Forest Types. *Indian Journ. Forestry* 3 (1) : 9-14. Discussion.

Shivpuri (District)

MDP 216 Kaushik, J.P. (1969) 1971

A contribution to the flora of Shivpuri, Madhya Pradesh. *Bull. Bot. Surv. India* 11 (1 & 2) : 51-69. Enum. 311 spp.

MDP 217 Kaushik, J.P. (1969) 1971

The vegetation of marshes, ponds and river banks in Shivpuri, Madhya Pradesh. *Bull. Bot. Surv. India* 11 (1 & 2) : 84-88, tab. 1. List of 101 spp., discussion, phenology, distrib., one rec.

MDP 218 Kaushik, J.P. 1974

Some plants from Shivpuri District, Madhya Pradesh. *Journ. Jiwaji Univ.* 11 (1) : 58-64.

MDP 219 Maheshwari, J.K. & Singh, V. (1971) 1973

The genus *Craterostigma* Hochst. in India. *Bull. Bot. Surv. India* 13 (1 & 2) : 11-12. *C. plantagineum* Hochst.

MDP 220 Verma, R. 1982

Medico-floristic approach on the forest of Kalaras Dist., Shivpuri (Madhya Pradesh) III-Annual herbs. *Journ. Econ. Tax. Bot.* 3 (3) : 689-694. Enum. 188 spp. with notes.

MDP 221 Verma, R. & Das, R.R 1982

Floristic composition of the Kalaras range, Dist. Shivpuri, Madhya Pradesh. *Journ. Econ. Tax. Bot.* 3 (3) : 751-771. Enum. 179 spp.

Sidhi (District)

MDP 222 Sengupta, G. and Lal, R. (1973) 1976

Flora of Sidhi District, Madhya Pradesh-I. *Bull. Bot. Surv. India* 15 (3 & 4) 182-188. Enum. 680 spp., 8 new rec. for M.P.

Sirguja

MDP 223 Wood, J.J. 1902

See under Jaspur.

Vindhya Pradesh

MDP 224 Sagal, D.D 1954

Forests of Vindhya Pradesh. *Indian Forester* 80 (12) : 861-865.

GENERAL ADDITIONS

- MDP 225 Bahadur, K. N. & Naithani, H. B. 1975
Range extension of the Bamboo *Cephalostachyum pergracile* Munro. *Indian Forester* 102 (9) : 596-601.
- MDP 226 Datta, B. & Dixit, S. K. 1984
On the occurrence of *Cymbopogon jivancusa* (Jones) Schult. in Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (1) : 216.
- MDP 227 Datta, B. & Roy, G. P. 1984
Additions to the flora of Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (4) : 805-807. 2 recds. *Avena sterilis* L. *ssp. ludoviciana* (Dur.) Gill & Magne & *Verbascum thapsus* L.
- MDP 228 Kumar, Anand 1984
Some new plant records from Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (1) : 223-224, 4 spp.
- MDP 229 Kumar, Anand 1984
Thespsia lampas (Cav.) Dalz. *var. longisepala* Borssum (Malvaceae) A new record for India. *Journ. Econ. Tax. Bot.* 7 (3) : 665-666.
- MDP 230 Kumar, Anand & Lal, J. 1984
Inflorescence aberrations in tree species of angiosperms. *Journ. Econ. Tax. Bot.* 5 (1) : 206-208, pl. 2.
- MDP 231 Kumar, Anand & Lal, J. 1985
Notes on some plants of Madhya Pradesh from Kanha Tiger Reserve. *Journ. Econ. Tax. Bot.* 6 (2) : 325-329. List of 13 rare plants, descr., distrib., notes.
- MDP 232 Kumar, Anand & Lal, J. 1985
Contribution to the botany of Madhya Pradesh- IX (Verbenaceae to Santalaceae). *Journ. Econ. Tax. Bot.* 7 (1) : 77-93. An account of 153 spp. & 20 var. covering 72 gen / 15 fam.
- MDP 233 Mishra, D. P. & Sahu, T. R. 1984
Euphorbiaceous plants used in medicine by the tribals of Madhya Pradesh, India. *Journ. Econ. Tax. Bot.* 5 (4) : 791-794. List of 33 spp. with notes.

- MDP 234 Mukherjee, A. K. 1984
An endemic *Dioscorea* rediscovered. *Journ. Econ. Tax. Bot.* 5 (1) : 205.
- MDP 235 Naithani, H. B. 1982
Interesting distributional records of five taxa of Cyperaceae. *Journ. Bombay Nat. Hist. Soc.* 79 : 715-716.
- MDP 236 Naithani, H. B. & Raizada, M. B. 1976
New distributional records of eleven plants in India, Nepal and Burma. *Indian Forester* 102 (10) : 675-691.
- MDP 237 Naithani, H. B. & Raizada, M. B. 1977
New record of some Cyperaceae taxa in India. *Indian Forester* 103 (6) : 411-424.
- MDP 238 Naithani, H. B. & Raizada, M. B. 1977
Notes on distribution record on grasses. *Indian Forester* 103 (8) : 513-524.
- MDP 239 Patidar, K. C., Jain, D. & Solanki, C. M. 1985
Two species from Pachmarhi. *Journ. Econ. Tax. Bot.* 6 (3) : 723-724.
- MDP 240 Prasad, K. & Lal, J. 1984
Genus *Elatine* (Elatinaceae) A new record for Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (4) : 981.
- MDP 241 Roy, G.P., Datta, B. & Shukla, B. K. 1985
A taxonomic study of the family Polygalaceae in Madhya Pradesh. *Journ. Econ. Tax. Bot.* 6 (3) : 671-678. 13 spp. key, descr., distrib.
- MDP 242 Roy, G. P. & Dixit, S. K. 1984
Crossocephalum crepidioides (Benth.) S. Moore (Asteraceae) a new record for Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (2) : 279-280.
- MDP 243 Roy, G. P. & Dixit, S. K. 1985
Additions of two new taxa to the flora of Madhya Pradesh. *Journ. Econ. Tax. Bot.* 6 (1) : 237-238, figs. 2. *Ficus heterophylla* L. f. & *F. lanceolata* Roxb.

MDP 244 Sahu, T. R. 1984

Systematic account on the vegetation of special habitats of Sagar. *Journ. Econ. Tax. Bot.* 5 (2) : 409-414.

MDP 245 Srivastava, R. C. 1984

The genus *Sonchus* L. (Asteraceae) in Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (5) : 1081-1084.

MDP 246 Srivastava, R. C. & Shukla, B. K. 1984

The genus *Blumea* DC. (Asteraceae) in Madhya Pradesh. *Journ. Econ. Tax. Bot.* 5 (2) : 285-291.