

STUDIES ON THE VASCULAR FLORA OF MAHENDRAGIRI HILL AND THE SURROUNDING REGIONS, KANYAKUMARI AND TIRUNELVELI DISTRICTS, TAMIL NADU

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ABSTRACT

The vascular flora of Mahendragiri hill and the surrounding areas of Kanyakumari and Tirunelveli Districts, Tamil Nadu, is dealt with in this paper. The floristic survey and investigations of the area reveal a varied and heterogeneous vegetation. The vegetation varies from Southern tropical wet-evergreen, moist and dry deciduous to grassland and thorn forests. In all five exploration visits in different seasons were conducted which resulted in a collection of 831 field numbers distributed over 120 families, 398 genera and 579 species. About 21 species endemic to Tirunelveli and Travancore hills, have been collected from this area. Of the families, Leguminosae, Gramineae, Euphorbiaceae, Rubiaceae, Acanthaceae, Labiatae, Orchidaceae, Asteraceae, Cyperaceae, Moraceae and Asclepiadaceae are in order of dominance. Pteridophytes are represented by 8 families, 14 genera and 16 species, the family Pteridaceae being dominant in having 6 genera and 7 species.

INTRODUCTION

Mahendragiri hill and the surrounding regions are situated in the Kanyakumari and Tirunelveli Districts of Tamil Nadu. The ranges lie within $77^{\circ}29'-77^{\circ}31'$ East longitude and $8^{\circ}23'-8^{\circ}26'$ North latitude with altitudes ranging from 150 m to 1,654 m. They occupy an area of approximately 80 sq. km. The hill top can be approached only by the bridle path either from Panakudi, via Sengamal estate or from Tirukkurungudi, via Thulukkanparai. Mahendragiri hill is the last of Tirunelveli ghats in the Western Ghats. Towards the north of Panakudi a low pass occurs where the boundary leaves the watershed and turns south-east towards the plain. Beyond Panakudi the mountains rise once more to half their height, dropping after a few miles to the Aramboli pass in the plains. Their final effort is a comparatively low detached hill, with its southern base two or three kilometres from the sea and slightly west of Cape Comorin.

The river Nambiyar, rising in the Mayaparambu shola on the Mahendragiri slopes, augmented by the channel diverted from the Kila Manimuttar at Vengaya Nayakkan's ancient dam and by the Tamaraiyar, the rivers Kombaiyar and the Kodamadiyar reach the plains at Thirukkurungudi and flow thence in a southerly direction to the sea. The Kombai river which takes its origin from Nadukani flows through a scrub jungle at Kodamady and is on the northern side of Mahendragiri.

GEOLOGY AND SOIL

The area consists of granitoid mica gneisses with numerous bands of quartzites and patches of surfaceous kankar and charnockite. The soil consists of red ferrugeneous sandy loam of very little depth, with loose boulders occurring almost everywhere. On hill slopes and elevated grounds which are subject to heavy wash, the soil has a characteristic yellow or reddish yellow colour. Over the crest and along the higher slopes of the

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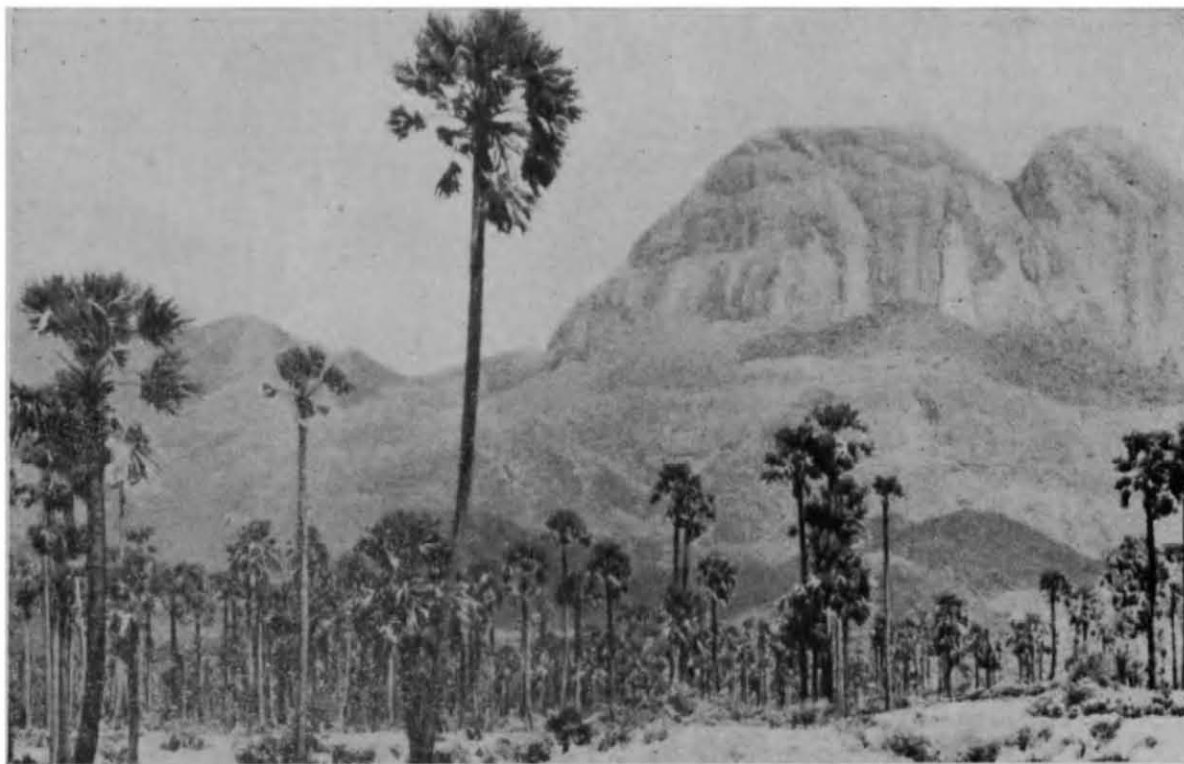


Plate I : *Borassus flabellifer* L. stands near Panakudi with Mahendragiri hill at back.

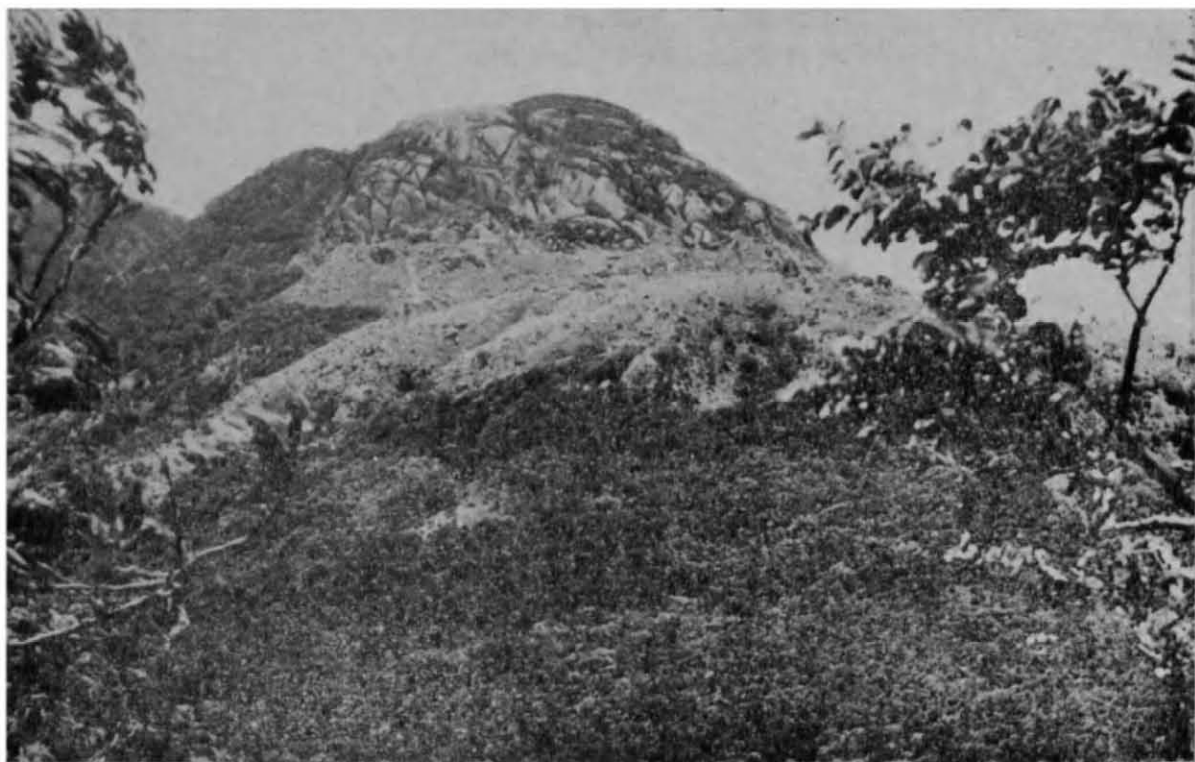


Plate II : Tropical evergreen forests on the slopes of Mahendragiri hill.

hills where the erosion is excessive, the ground is rocky with the soil shallow and hard (Rahamatullah, 1962).

CLIMATE, WIND AND RAINFALL

The hottest months of the year are April and May when the temperature reaches even upto 37.8°C and the cold season prevails from December to February with the temperature falling to about 21.1°C. Early in June, strong westernly and south-western winds set in. With these winds the monsoon rains fall on the hills and the air throughout the district then becomes perceptibly cooler. From June to August the winds become more violent and sand storms which obliterate the sky and often overlay the fields with masses of sand occur frequently in the red soil tracts. With October or early November, the northeast monsoon sets in; and for two months the mean temperature falls below 26.7°C. The coldest period of the year is usually experienced in January (Anonymous, 1915 and 1917).

Nanguneri range which is adjoining Mahendragiri gets the benefit of both the south-west and northeast monsoon. The south-

west monsoon begins in June and continues upto the end of August with irregular intervals, while northeast monsoon prevails from October to December, the bulk of the rainfall being derived from the northeast monsoon. The hills of Nanguneri taluk receive an average rainfall of about 152 cm, but even here there are local variations. In Kanyakumari district, the southwest monsoon brings the major part of the rainfall, which usually sets in by the first week of June. A few showers precede in April and May and the heaviest precipitation is in June and July.

ITINERARY OF EXPLORATIONS

Though Beddome (1877), Rajasekhara Mudaliar and Daniel Sundararaj (1954), Ramaswamy (1914), Ranga Acharya (1919) and Shankaranarayanan (1960) have explored Tirunelveli District, botanically this area remains under-explored. Some collections of Rangachari made in the beginning of this century have been deposited in the Madras Herbarium, Coimbatore. In the course of our studies, five seasonal explorations were undertaken for the collection of plants, the itineraries of which are :

	<i>Date</i>	<i>Locality</i>	<i>Altitude</i>	<i>Field numbers</i>
Exploration I :	23.7.1966	Kodamadi area	180-230 m	BVS 27901 to BVS 27930
	24.7.1966	Kodamadi to Ayilandanpillai Estate	210-600 m	BVS 27931 to BVS 27974
	25.7.1966	Thulukkanparai area	250-425 m	BVS 27975 to BVS 27991
	27.7.1966	Way to Sengamal Estate to pioneer Estate	200-950 m	BVS 27992 to BVS 28012
	28.7.1966	Panzakudi to Suravali-Bangalowkadu	200 m	BVS 28013 to BVS 28023
	29.7.1966	Sengamal Estate to Mahendragiri peak	775-1000 m	BVS 28024 to BVS 28037
	30.7.1966	Way to Mahendragiri peak	550-1250 m	BVS 28038 to BVS 28055
	31.7.1966	Kannupulikadu to Pioneer Estate	225 m	BVS 28056 to BVS 28063

	<i>Date</i>	<i>Locality</i>	<i>Altitude</i>	<i>Field numbers</i>
Exploration-II :	4.9.1969	Kodamadi area	200-220 m	BVS 32208 to BVS 32235
	5.9.1969	Way to Ayilandanpillai Estate	200-330 m	BVS 32236 to BVS 32260
	6.9.1969	Way to Thulukkanpari	200-350 m	BVS 32261 to BVS 32277
	8.9.1969	Kannupulikadu and Koolodai area	250-390 m	BVS 32278 to BVS 32294
	9.9.1969	Kathadimattaikadu & Mavilziodaikadu area	230-520 m	BVS 32295 to BVS 32314
	10.9.1969	Way to Pioneer Estate & Sengamal Estate	200-890 m	BVS 32315 to BVS 32327
	11.9.1969	Sengamal Sholai and Mahendragiri Grassy slopes	700-1200 m	BVS 32328 to BVS 32350
	12.9.1969	Way to Mahendragiri peak	1200-1500 m	BVS 32356 to BVS 32370
	14.9.1969	Suravali Bangalowkadu	200-475 m	BVS 32371 to BVS 32380
Exploration-III :	26.11.1969	Kodamadi area	200-220 m	BVS 32901 to BVS 32920
	27.11.1969	Way to Ayilandanpillai Estate & Nadukani	200-550 m	BVS 32921 to BVS 32941
	28.11.1969	Thulukkanparai	300-1040 m	BVS 32942 to BVS 32961
	29.11.1969	Way to Thulukkanparai	100-940 m	BVS 32962 to BVS 32978 ; BVS 33042
	1.12.1969	Kannupulikadu	130-580 m	BVS 32979 to BVS 32995
	2.12.1969	Way to Kunnimuthu Estate & Kandakki Estate	175-780 m	BVS 32996 to BVS 32998 ; BVS 33000 to BVS 33012
	3.12.1969	Kandakki Estate area	850-1110 m	BVS 32999 ; BVS 33013 to BVS 33023
	4.12.1969	Anaikkalpathai and Kuthiravettimottai area	175-790 m	BVS 33024 to BVS 33037
	5.12.1969	Grassy slopes, way to Mahendragiri peak	825-1140 m	BVS 33038 to BVS 33041 ; BVS 33043 to BVS 33045 ; BVS 33047 to BVS 33053
	6.12.1969	Way to Mahendragiri peak	1300-1620 m	BVS 33046 ; BVS 33054 to BVS 33072
	7.12.1969	Way to Sengamal Estate	130-580 m	BVS 33073 to BVS 33075
	8.12.1969	Around Kandakki Estate	880-1210 m	BVS 33076 to BVS 33087
	9.12.1969	Way to Pioneer Estate	325 m	BVS 33088

	<i>Date</i>	<i>Locality</i>	<i>Altitude</i>	<i>Field numbers</i>
Exploration-IV :	4.2.1972	Way to Kandakki Estate	250-500 m	BDS 39901 to BDS 39953
	5.2.1972	Kannupulikadu	325-375 m	BDS 39954 to BDS 39969
	6.2.1972	Way to Kandakki Estate	350-600 m	BDS 39970 to BDS 39995
	7.2.1972	Beyond Sengamal Estate	650 m	BDS 39996 to BDS 40011
	8.2.1972	Way to Mahendragiri peak	800-1550 m	BDS 40012 to BDS 40049
	9.2.1972	Beyond Sengamal Estate	650-800 m	BDS 40050 to BDS 40066
	10.2.1972	Beyond Sengamal Estate	550-600 m	BDS 40067 to BDS 40077
	11.2.1972	Panakudi to Sengamal Estate	100-175 m	BDS 40078 & BDS 40079
	12.2.1972	Kudiraikatti	225-825 m	SK 40080 to SK 40100
	13.2.1972	Way to Kunnimuthu Estate	275-400 m	SK 40101 to SK 40114
	15.2.1972	Way to Ayilandanpillai Estate	325-670 m	SK 40115 to SK 40125
	16.2.1972	Thulukkanparai	350-525 m	SK 40126 to SK 40145
	17.2.1972	Tirukkurungudi to Thulukkanparai	225-900 m	SK 40146 to SK 40166
Exploration-V :	30.7.1972	Way to Thulukkanparai	175-850 m	BDS 42101 to BDS 42112
	31.7.1972	Kodamadi & way to Ayilandanpillai Estate	175-325 m	BDS 42113 to BDS 42126
	1.8.1972	Way to Nambikoil	200 m	BDS 42127 to BDS 42141

VEGETATION

On account of the varied topographic, edaphic and climatic conditions of the area, the vegetation is heterogeneous. At the foot of the Mahendragiri Hills the gregarious Palmyra palms present a beautiful panorama. There is a gradual gradation between the different forest types with no clear cut demarcation between them, and with an intermingling of the elements not being uncommon. The different types of vegetation are: 1. Southern tropical thorn forest; 2. Southern tropical dry deciduous forest; 3. Southern tropical moist deciduous forest;

4. Southern tropical evergreen forests and 5. Grasslands.

1. *Southern tropical thorn forests*: These extend upto an elevation of about 250 m and occur beyond Tirukkurungudi, as one approaches the hills of Kodamady, beyond Panakudi on the way to Sengamal and Pioneer estates, and on the way to Suravali-Bangalakadu and Kannupulikadu. In these scrub jungles trees like *Acacia chundra*, *A. latronum*, *Euphorbia antiquorum*, *Vitex altissima*, *Zizyphus oenophia* and *Z. xylopyrus* are common. Amidst these trees, shrubs frequently met with are *Carissa carandas*,

C. congesta, *Cassia auriculata*, *Dichrostachys cinerea*, *Dodonaea viscosa*, *Jatropha gossypifolia*, *Maytenus wallichiana*, *Securinega leucopyrus* and *S. virōsa*. The climbers are represented by *Abrus precatorius*, *Cadaba trifoliata*, *Cissus quadrangularis*, *Clitoria ternatea*, *Derris scandens*, *Dregea volubilis*, *Jasminum calophyllum* and *Tylophora indica*. The common herbs found are *Aerva lanata*, *Ageratum conyzoides*, *Aristida depressa*, *Barleria nitida*, *Borreria articularis*, *Eragrostis aspera*, *Evolvulus alsinoides*, *Hackelochloa granularis*, *Leucas aspera*, *Manisuris myuros*, *Mollugo pentaphylla*, *Oldenlandia umbellata*, *Polycarpaea corymbosa*, *Trachys muricata* and *Tragus biflorus*.

2. *Southern tropical dry deciduous forests*: These forests extend upto an altitude of 350 m and are located near Thulukkanparai and on the way to Sengamal estate. The common trees seen are *Albizia amara*, *A. lebeck*, *Anogeissus latifolia*, *Commiphora caudata* and *Pterocarpus marsupium*. Shrubs like *Acacia pennata*, *Chassalia ophioides*, *Ecbolium viride* var. *laetevirens*, *Phyllanthus polyphyllus* are also common. The herbaceous species of common occurrence are *Chrysopogon hackelii*, *Desmodium triflorum*, *Indigofera trifoliata* and *Justicia simplex*. Amongst climbers mention may be made of *Atylosia trinervia*, *Canavalia gladiata*, *Rhynchosia densiflora* and *Mucuna atropurpurea*. Parasitic plants found commonly on trees include *Dendrophthoe falcata*, *Helicanthes elastica*, *Taxillus cuneatus*, *Viscum articulatum* and *V. monoicum*.

3. *Southern tropical moist deciduous forests*: This type of forests occur upto an altitude of 500 m near Sengamal and Pioneer estates and beyond Thulukkanparai. The top canopy consists of such trees as *Acronychia pedunculata*, *Bombax ceiba*, *Dalbergia coromandeliana*, *D. latifolia*, *D. malabarica*, *Gyrocarpus jacquini*, *Pterocarpus marsupium*, *Terminalia chebula* and *T. paniculata*. Some of the common shrubs

found in these forests are *Barleria courtallica*, *Blachia calycina*, *Helicteres isora*, *Ixora brachiata*, *Mussaenda laxa* and *Psychotria connata*. Amongst some of the common herbs are *Alysicarpus rugosus*, *Justicia betonica*, *J. simplex* and *Waltheria indica*. The notable climbers are *Cynanchum pauciflorum*, *Dioscorea oppositifolia*, *Maerua oblongifolia* and *Sarcostemma brunonianum*.

4. *Southern tropical wet-evergreen forests*: Mahendragiri peak is clothed with evergreen forests on all sides, above 500 m. The principal trees found in these forests are *Actinodaphne campanulata*, *Artocarpus heterophyllus*, *Cullenia exarillata*, *Isonandra lanceolata*, *Mallotus distans*, *Neolitsea zeylanica*, *Symplocos laurina*, *Syzygium caryophyllatum*, *S. jambos* and *S. wightianum*. Under the canopy of the trees, shrubs like *Celtis cinnamomea*, *Chassalia ophioides*, *Diotacanthus albiflorus*, *Hedyotis purpurascens*, *Ixora nigricans*, *Lasianthus cinereus*, *L. dichotomus*, *Lea sambacina*, *Memecylon heyneanum*, *Rauvolfia densiflora* and *Sarcandra grandifolia* are found frequently. Climbers like *Ancistrocladus heyneanus*, *Aristolochia indica*, *Erythralium populifolium*, *Pothos scandens* and *Senecio walkeri* and herbs like *Begonia fallax*, *Disperis neilgherrensis*, *Impatiens flaccida*, *Ophiorrhiza eriantha*, *Oxalis corniculata* and *Sonerila travancorica* are also common. Along the streams *Schumannianthus virgatus* is seen in abundance. Epiphytic orchids like *Coelogyne nervosa*, *Dendrobium wightii*, *Josephia latifolia*, *Oberonia brunoniana* etc. are commonly seen on the trees. Ferns include *Arachnoides aristata*, *Asplenium tenuifolium*, *Marattia fraxinea* and *Polystichum auriculatum*.

5. *Grasslands*: On Mahendragiri hills, there are two types of grasslands; one is at lower elevation below 500 m, the other is at higher elevation from 900 to 1100 m.

Grasslands at lower elevations: On the way to Thulukkanparai vast stretches of grass-

lands occur beyond the scrub jungles and deciduous forests. Trees like *Mundulea sericea*, *Terminalia chebula* occur in frequently in these grasslands. Two main species of grasses occurring in this type are *Cymbopogon coloratus* and *Themeda cymbaria*. When the season is very dry, only *Euphorbia cristata* and *Rhynchosia rufescens* are noticeable.

Grasslands at higher elevations: Even in this type the vegetation differs depending on exposure and this aspect is evidenced by the grasslands on the way to Mahendragiri peak from Sengamal estate (*i.e.* southern side of Mahendragiri) and those on the way to Mahendragiri from Tirukkurungudi (*i.e.* eastern slope of Mahendragiri).

(i) *Grasslands on the southern side of Mahendragiri*: In this area *Apocopsis courtallumensis*, *Chrysopogon orientalis*, *C. zeylanicus*, *Eulalia phaeothrix* and *Themeda tremula* are the common species of grasses. Among these grasses the common herbs are *Cyanotis arachnoidea*, *Fimbristylis quinqueangularis* var. *crassa*, *Habenaria perrottetiana*, *Phyllanthus gardnerianus*, *Scutellaria colebrookiana* and *Striga asiatica*. Shrubs like *Hedyotis purpurascens* and *Urtaria rufescens* are also found, but are not common.

(ii) *Grasslands on the eastern side of Mahendragiri*: *Arundinellia ciliata*, *A. mesophylla*, *Eulalia trispicata* and *Ischaemum timorensis* are the common grasses found in this region. Associated with these are herbs like *Crotalaria albida*, *C. calycina*, *Leucas biflora*, *Orthosiphon comosus* and *Vernonia divergens*. Species like *Didymocarpus tomentosa*, *Eriocaulon cinereum* and *E. mela-leucum* are found growing on the rocks and on moist rocks *Burmattia pusilla* and *Utricularia striatula* are seen frequently.

Biotic interference: The forests of Mahendragiri have not been free from biotic interference. The records provide evidence to show that the forests were cleared by Mr. E. P. Thompson as early as 1840 for cultiva-

tion. Thereafter he presented it to a head of well-known Muhammadan family in Panakudi, who planted the estate with Coffee. Recently, an estate called Pioneer Estate has also been established by clearing the forest areas where Coffee and Tapioca are mainly cultivated. Among these primary crops *Banana* and *Citrus* are also grown as secondary crops.

From the forest records it appears that since early times the peasants have been allowed to cut wood, for agricultural implements and for firewood, not exceeding a head-load at a time. The contractors collecting minor forest produce indiscriminately destroy the forests. Grazing by cattle and goats are quite common in the forests in the plains. Extensive fire in the grasslands has also been observed. The extent of such disturbances in these regions is very great and the forests are being destroyed at an accelerating rate with the result, the original vegetation is fast disappearing.

In passing it may be remarked that the forests on the ghats are also infested with wild animals such as Elephants, Bears, Sambars, Spotted Deers etc. and many species of snakes occur in the scrub jungles.

Floristic analysis: The total field numbers collected (831) provided 120 families representing 398 genera and 579 species after identification. These are deposited in the Herbarium of the Botanical Survey of India (Southern Circle), Coimbatore (MH). The undermentioned 11 families, in the order of dominance, present over 50% of the total collection. It is interesting to note that there is in some cases no co-relation between the number of genera and the number of species collected under each family.

(a) *Angiosperms*:

		Genera	Species
Poaceae (Gramineae)	...	37	47
Euphorbiaceae	...	25	40
Fabaceae (Papilionaceae)	...	20	38
Rubiaceae	...	17	31

Angiosperms:	Genera	Species
Acanthaceae	... 16	24
Lamiaceae (Labiatae)	... 11	22
Orchidaceae	... 17	20
Asteraceae (Compositae)	... 11	16
Cyperaceae	... 7	13
Moraceae	... 5	13
Asclepiadaceae	... 9	11

There are about 41 families which are represented only by a single species *viz.* Ranunculaceae, Violaceae, Bixaceae, Caryophyllaceae, Ternstroemiaceae, Ancistrocladaceae, Bombacaceae, Elaeocarpaceae, Malpighiaceae, Oxalidaceae, Simaroubaceae, Ochnaceae, Opiliaceae, Crassulaceae, Droseraceae, Rhizophoraceae, Lythraceae, Samydaceae, Cucurbitaceae, Aizoaceae, Alangiaceae, Plumbaginaceae, Symplocaceae, Orobanchaceae, Bignoniaceae, Polygonaceae, Chloranthaceae, Lauraceae, Hernandiaceae, Elaeagnaceae, Ulmaceae, Burmanniaceae, Marantaceae, Cannaceae, Haemodoraceae, Amaryllidaceae, Pontederiaceae, Palmaceae, Typhaceae and Potamogetonaceae.

There is a large number of other families which range in between the above two categories.

(b) *Pteridophytes*:

Pteridophytes are represented by 8 families, 14 genera and 16 species. Amongst these, the family Pteridaceae predominate having 6 genera and 7 species. The other families *viz.*, Psilotaceae, Lycopodiaceae, Ophioglossaceae, Marattiaceae, Hymenophyllaceae, Aspidiaceae, Aspleniaceae are represented by one or two species.

Endemics: The following 21 species which are endemic to Tirunelveli and Travancore hills have been collected from the area explored: *Actinodaphne campanulata*, *Anisochilus robustus*, *Begonia floccifera*, *Blepharispermum petiolare*, *Diospyros foliolosa*, *Diotacanthus albiflorus*; *Impatiens travancorica*, *Jatropha maheshwarii*, *Koelodepas calycinum*, *Lasianthus cinereus*, *Leptosta-*

chya wallichii, *Linociera courtallensis*, *L. wightii*, *Orthosiphon comosus*, *Psychotria connata*, *P. nudiflora*, *Reidia longiflora*, *Solanum vagum*, *Sonerila travancorica*, *Vernonia comoriensis* and *V. travancorica*. These have been marked by asterisk in the enumeration. This analysis is tentative and based on our present collection and further exploration may provide data to firmly evaluate the dominance of the various families.

In the following enumeration, Bentham & Hooker's system of classification, with some delimitations of families according to Hutchinson (1960), is followed for Angiosperms. The classification of Copeland (1947) is followed for ferns. The taxa under each family are arranged in an alphabetical order. For every plant the locality, altitude, frequency, flowering and fruiting condition, date of collection and collection number are given. The field numbers quoted with the abbreviations BDS, BVS and SK are those of B. D. Sharma, B. V. Shetty and S. Karthikeyan respectively. Every attempt has been made to bring the nomenclature upto date.

ENUMERATION

PSILOTACEAE

Psilotum nudum (L.) Beauv.

Common, with sporangia, BVS 32318; BDS 39982.

LYCOPODIACEAE

Lycopodium macrostachys Hook.

Common, with strobili, BDS 40021.

OPHIOGLOSSACEAE

Ophioglossum costatum R. Br.

Common, with sporangia, BVS 32265.

O. reticulatum L.

Common, with sporangia, BVS 28024.

MARATTIACEAE

Marattia fraxinea Smith

Common, with sori, BVS 32364.

HYMENOPHYLLACEAE

Trichomanes rigidum Swartz

Common, with sori, BVS 32365.

PTERIDACEAE

Actiniopteris dichotoma (Forsk.) Kuhn

Common, with sori, BVS 32282.

Adiantum caudatum L.

Common, with sori, BVS 32281.

A. hispidulum Swartz

Common, with sori, BVS 32319; SK 40097.

Cheilanthes mysorensis Wall. ex Hook.

Common, with sori, BVS 32283.

Hemionitis arifolia (Burm. f.) Moore

Common, with sori, BVS 33011.

Pellaea boivini Hook.

Common, with sori, BVS 32351; SK 40162.

Pteris quadriaurita Retz. var. **argentea** Bedd.

Common, with sori, BDS 40048.

ASPIDACEAE

Arachnoides aristata (Forst. f.) Tindale*Lastrea aristata* Moore

Common, with sori, BVS 28010; BVS 32320; BDS 40058.

Polystichum auriculatum L.

Common, with sori, BVS 33062; BDS 40027.

ASPLENIACEAE

Asplenium tenuifolium Don

Common, with sori, BVS 32363.

RANUNCULACEAE

Naravelia zeylanica (L.) DC.

Common, fls. & frts., BVS 32920.

ANNONACEAE

Alphonsea sclerocarpa Thw.

Common, fls., BDS 40073.

Meiogyne pannosa (Dalz.) Sinclair*Unona pannosa* Dalz.

Common, fls., BVS 32956; BDS 40002.

Miliusa eriocarpa Dunn

Common, fls. & frts., BVS 27939; BVS 32925; BDS 39955.

Orophea uniflora Hook. f. & Thoms.

Common, fls., BVS 27956.

MENISPERMACEAE

Cissampelos pariera L.

Common, fls. & frts., BDS 42133.

Cocculus hirsutus (L.) Diels

Common, fls. & frts., BDS 39908.

Pachygone zeylanica (Gaertn.) Sant. & Wagh*P. ovata* (Poir) Miers.

Common, frts., BVS 32247; fls., BDS 39923; frts., BDS 42101.

Stephania wightii Dunn

Rare, fls., BVS 32305.

Tiliacora acuminata (Lamk.) Miers.

Common, fls., BVS 32216; BDS 42131.

CAPPARACEAE

Cadaba trifoliata (Roxb.) Wt. & Arn.

Common, fls. & frts., BVS 27975; BDS 39928.

Capparis diversifolia Wt. & Arn.

Rare, fls., BDS 42140.

C. grandis L.f.

Common, fls., BVS 27927.

C. sepiaria L.

Common, frts., BDS 42135.

Cleome aspera Koenig

Common, fls. & frts., BVS 32211.

C. monophylla L.

Common, fls. & frts., BVS 32918.

Maerua oblongifolia (Forsk.) A. Rich.*M. arenaria* Hook. f. & Thoms.

Common, fls., BVS 27912; BDS 39927.

VIOLACEAE

Hybanthus enneaspermus (L.) F.v. Muell.*Ionidium suffruticosum* Ging.

Common, fls. & frts., BVS 32240; BVS 32371.

BIXACEAE

Hydnocarpus alpina Wt.

Common, frts., BDS 39988; fls., BDS 40006.

FLACOURTIACEAE

Flacourtia indica (Burm. f.) Merrill*F. sepiaria* Roxb.

Common, fls. & frts., BVS 28021; BVS 32990; fls., BVS 32914.

Scolopia crenata Clos.

Common, fls., BVS 27921; frts., BVS 32262; BDS 42121.

PITTOSPORACEAE

- Pittosporum neelgherrense** Wt. & Arn.
Common, fls., BDS 40038.

POLYGALACEAE

- Polygala brachystachya** DC.
P. telephioides Willd.
Common, fls. & frts., BDS 40055.
P. elongata Klein ex Willd.
Common, fls. & frts., BVS 27988 ; BVS 32965.
P. javana DC. var. *angustifolia* Thw.
Common, fls. & frts., SK 40132.
P. javana DC. var. *javana*
Common, fls. & frts., BVS 27995.
P. rosmarinifolia Wt. & Arn.
Common, fls. & frts., BVS 32348.
Xanthophyllum flavescens Roxb.
Common, fls., BDS 40001.

CARYOPHYLLACEAE

- Polycarpaea corymbosa** (L.) Lamk.
Common, fls. & frts., BVS 32237.

CLUSIACEAE (GUTTIFERAE)

- Mesua ferrea** Linn. subsp. *ferrea* var. *ferrea*
Common, fls., BDS 39969.
M. ferrea Linn. subsp. *pulchella* Vesque var. *coromandeliana* (Wt.) Mahesh.
Rare, frts., BVS 32975 ; fls. & frts., SK 40148.

TERNSTROEMIACEAE

- Gordonia obtusa** Wall. ex Wt. & Arn.
Common, fls., BVS 32345.

ANCISTROCLADACEAE

- Ancistrocladus heyneanus** Wall. ex Gr.
Rare, in vegetative condition, SK 40125.

MALVACEAE

- Abelmoschus angulosus** Wall. ex Wt. & Arn.
Hibiscus angulosus Steud.
Common, fls., SK 40156.
Cullenia exarillata A. Robyns
Common, frts., BVS 33079 ; BDS 40020.
Hibiscus platanifolius (Willd.) Sweet
Common, fls. & frts., BVS 32229.
H. vitifolius L.
Common, fls. & frts., BDS 39916.

BOMBACACEAE

- Bombax ceiba** L.
B. malabaricum DC.
Common, frts., BDS 39945.

STERCULIACEAE

- Helicteres isora** L.
Rare, fls. & frts., BVS 32306.
Sterculia guttata Roxb.
Common, fls., BVS 32271.
Waltheria indica L.
Common, fls. & frts., BVS 32373.

TILIACEAE

- Grewia lanceaefolia** Roxb.
Rare, fls., BVS 27951.
G. obtusa Wall.
Common, fls., BVS 27905 ; frts., SK 40106.
G. tiliaefolia Vahl
Common, fls., BVS 27913 ; frts., BVS 32248.

ELAEOCARPACEAE

- Elaeocarpus serratus** L.
Common, fls., BVS 33077.

LINACEAE

- Erythroxylum monogynum** Roxb.
Common, fls. & frts., BVS 27909.
Hugonia mystax L.
Common, fls., BVS 27917 ; frts., BVS 32246.
Linum mysorense Heyne ex Benth.
Common, fls. & frts., BVS 33081.

MALPIGHIACEAE

- Hiptage benghalensis** (L.) Kurz
H. madablota Gaertn.
Common, fls. & frts., BVS 32252.

BALSAMINACEAE

- Impatiens cordata** Wt.
Common, fls. & frts., BVS 33061.
I. disotis Hook. f.
Rare, fls. & frts., BVS 33049.
I. flaccida Arn.
Common, fls. & frts., BVS 33028.
I. pusilla Heyne
Rare, fls. & frts., BVS 32367.
***I. travancorica** Bedd.
Common, fls. & frts., BVS 32362.

OXALIDACEAE

Biophytum candolleianum Wt.

Common, fls. & frts., BVS 32903.

Oxalis corniculata L.

Common, fls. & frts., BVS 32310.

RUTACEAE

Acronychia pedunculata (L.) Miq.*A. laurifolia* Bl.

Common, frts., BVS 33080 ; BDS 39986.

Atalantia monophylla (Roxb.) DC.

Common, frts., BVS 28023 ; BDS 39907.

Clausena dentata (Willd.) Roem. & Schult.*C. willdenowii* Wt. & Arn.

Common, frts., BVS 32250 ; BDS 42106.

Evodia lunu-ankenda (Gaertn.) Merrill

Common, frts., BDS 40040.

Fagara ovalifolia (Wt.) Engler*Zanthoxylum ovalifolium* Wt.

Common, frts., BVS 28053 ; fls., BVS 33087.

Glycosmis pentaphylla (Retz.) DC.

Common, fls. & frts., BVS 27981 ; frts., BVS 32251 ; BDS 40009.

Murraya paniculata (L.) Jack*M. exotica* L.

Common, frts., BDS 40076 ; fls. & frts., SK 40138.

SIMAROUBACEAE

Ailanthus excelsa Roxb.

Common, fls. & frts., SK 40099.

OCHNACEAE

Ochna lanceolata Spreng.*O. heyneana* Wt. & Arn.

Common, frts., BDS 42107.

BURSERACEAE

Commiphora berryi (Arn.) Engler

Common, fls., BDS 39919.

C. caudata (Wt. & Arn.) Engler

Common, frts., BVS 27949, BVS 32260.

MELIACEAE

Aglaia roxburghiana (Wt. & Arn.) Miq. var. *courtallensis* Gamble

Common, frts., BVS 32296 ; BDS 42124 ; fl. buds, BDS 40075.

Melia composita Willd.

Common, frts., BDS 40011.

Walsura trifoliata (A. Juss.) Harms*W. piscidia* Roxb.

Common, fls., BDS 39950 ; SK 40105.

OLACACEAE

Erythrophalum populifolium (Arn.) Mast.

Common, fls., BDS 39999.

Olex wightiana Wall. ex Wt. & Arn.

Common, fls., BDS 39958 ; SK 40136.

OPILIACEAE

Cansjera rheedii Gmel.

Common, fls., BVS 32935 ; BVS 32980 ; frts., SK 40116.

ICACINACEAE

Apodytes beddomei Mast.

Common, fls., BDS 42111.

Nothapodytes foetida (Wt.) Sleumer*Mappia foetida* Miers

Common, fls., BVS 32334.

Pyrenacantha volubilis Hook.

Common, fls., BVS 27948 ; BVS 32222 ; frts., SK 40144.

Sarcostigma kleinii Wt. & Arn.

Common, in fl. buds, SK 40110.

Stemonurus coriaceus (Wt.) Miers*Gomphandra coriacea* Wt.

Common, fls., BDS 40022.

CELASTRACEAE

Celastrus paniculata Willd.

Common, fls., BVS 32314.

Elaeodendron glaucum Pers.

Common, fls. & frts., BVS 28062 ; fls., SK 40103.

Euonymus crenulatus Wall. ex Wt. & Arn.

Common, fls. & frts., BDS 40032 ; fls., SK 40095.

E. dichotomus Heyne ex Wall.

Common, frts., BVS 32943.

Maytenus wallichiana (Wt. & Arn.) Raju & Babu*Gymnosporia wallichiana* Lawson

Common, frts., BVS 32922 ; fls. & frts., BDS 39909 ; fls., SK 40121.

RHAMNACEAE

Gouania microcarpa DC.

Common, fls., BVS 32917.

Ventilago madraspatana Gaertn.

Common, fls., SK 40142.

Zizyphus glabrata Heyne ex Roth*Z. trinervia* Roxb.

Common, fls., BVS 32221.

Z. oenoplia (L.) Mill.

Common, fls., BVS 32225; frts., BDS 39905.

Z. xylopyrus (Retz.) Willd.

Common, fls. & frts., BVS 27914; BVS 32243.

VITACEAE

Cissus pallida Planch.

Rare, frts., BVS 32377.

C. quadrangularis L.

Common, fls., BVS 28059; fls. & frts., BDS 42114.

Leea indica (Burm.) Merrill*L. sambucina* Willd.

Common, fls. & frts., BDS 39997.

Tetrastigma muricatum (Wall. ex Wt. & Arn.) Gamble

Rare, frts., BVS 32287.

SAPINDACEAE

Dodonaea viscosa (L.) Jacq.

Common, frts., BVS 27984.

Euphoria longan (Lour.) Steud.*Nephelium longana* Gamb.

Common, fls. & frts., BVS 32249; frts., BVS 33073; fls., BDS 42103.

ANACARDIACEAE

Buchanania lanzan Spreng.

Common, fls., BVS 27990; SK 40104.

Nothopegia heyneana Gamble

Common, fls., BDS 42102.

FABACEAE (PAPILIONACEAE)

Abrus precatorius L.

Common, fls., BVS 32976.

Alysicarpus rugosus (Willd.) DC.

Common, fls. & frts., BVS 32983.

A. monilifer (L.) DC.

Common, fls. & frts., BVS 32909.

Atylosia trinervia Gamble

Common, fls. & frts., SK 40161.

Canavalia gladiata (Jacq.) DC.*C. ensiformis* Baker auct. non DC.

Common, fls. & frts., BVS 33001.

Clitoria ternatea L.

Common, fls. & frts., BVS 32911.

Crotalaria albida Heyne ex Roth

Common, fls. & frts., BVS 32346; SK 40152.

C. calycina Schrank

Common, fls. & frts., SK 40150.

C. nana Burm.

Common, fls. & frts., BVS 33023.

C. obtecta Grah. var. **glabrescens** Baker

Common, fls. & frts., BVS 33065; BDS 40034.

C. paniculata Willd.

Rare, fls. & frts., BVS 27902.

C. walkeri Arn.

Common, frts., SK 40093.

Dalbergia coromandeliana Prain

Common, fls., SK 40114.

D. latifolia Roxb.

Common, frts., BDS 39971.

D. malabarica Prain

Common, fls. & frts., BDS 42134.

D. sympathetica Nimmo ex Grah.*D. multiflora* Heyne

Common, frts., SK 40113.

Derris scandens (Roxb.) Benth.

Common, fls., BVS 27910; frts., BVS 32261; fls. & frts., BDS 42117.

Desmodium dolabriforme Benth.

Common, fls. & frts., BVS 28008.

D. rufescens DC.

Common, fls. & frts., BVS 28045.

D. triflorum (L.) DC.

Common, fls. & frts., BVS 32309; BDS 42128.

D. triquetrum (L.) DC.

Common, fls. & frts., BVS 32340.

D. velutinum (Willd.) DC.*D. latifolium* DC.

Common, fls. & frts., BVS 32939; frts., SK 40133.

Glycine javanica L.

Common, fls. & frts., BVS 32986.

Indigofera aspalathoides Vahl

Abundant, fls. & frts., BVS 32219.

I. prostrata Willd.

Common, fls. & frts., BVS 32984.

Mucuna atropurpurea DC.

Common, fls. & frts., BDS 39954.

Mundulea sericea (Willd.) A. Cheval*M. suberosa* Benth.

Common, fls. & frts., BVS 27991; frts., SK 40130.

Pongamia pinnata (L.) Pierre*P. glabra* Vent.

Common, frts., BVS 27979; BVS 32290.

Pseudarthria viscida Wt. & Arn.

Common, fls. & frts., SK 40131.

Pterocarpus marsupium Roxb.

Common, frts., BVS 32313; BDS 39970.

Rhynchosia densiflora DC.

Common, fls. & frts., BVS 32987.

R. minima DC.

Common, fls. & frts., BVS 32982.

R. rufescens DC.

Common, fls. & frts., SK 40127.

Tephrosia pulcherrima Wt. ex Baker

Common, fls. & frts., BVS 33082.

T. purpurea (L.) Pers.

Common, fls. & frts., BVS 27924.

T. tinctoria Pers.

Common, fls. & frts., BVS 33008.

Vigna grahamiana (Wt. & Arn.) Verdc.*Phaseolus grahamianus* Wt. & Arn.

Common, fls. & frts., BVS 33000.

Zornia gibbosa Span.*Z. diphylla* auct. plur. (non Pers. 1807).

Common, fls. & frts., BVS 32236.

CAESALPINIACEAE

Bauhinia racemosa Lamk.

Common, frts., BVS 33037.

B. tomentosa L.

Common, fls., BVS 32999.

Cassia auriculata L.

Common, fls. & frts., BVS 32378.

C. fistula L.

Common, fls., BVS 27925; frts., SK 40126.

C. kleinii Wt. & Arn.

Common, fls. & frts., BVS 32376.

C. siamea Lamk.

Common, fls., BDS 42126.

Kingiodendron pinnatum (Roxb.) Harms

Common, frts., BVS 32929; SK 40108.

MIMOSACEAE

Acacia caesia Willd.

Common, fls. & frts., BVS 32301; frts., SK 40141.

A. chundra (Roxb.) Willd.*A. sundra* DC.

Common, fls., BVS 32993.

A. ferruginea DC.

Common, fls., BVS 32297.

A. horrida (L.) Willd.*A. latronum* (L.f.) Willd.

Common, fls., BVS 28063; frts., BVS 32995.

A. leucophloea (Roxb.) Willd.

Common, fls. & frts., BVS 32299.

A. pennata (L.) Willd.

Common, fls. & frts., BVS 27978.

Albizia amara Boivin

Common, fls., BVS 27931; frts., BVS 32315.

A. lebbeck (L.) Benth.

Rare, frts., BVS 32963.

A. odoratissima (L.f.) Benth.

Common, frts., SK 40134.

Dichrostachys cinerea (L.) Wt. & Arn.

Common, fls., BVS 27972.

Prosopis cineraria (L.) Druce*P. spicigera* L.

Common, fls., BDS 40078.

GRASSULACEAE

Kalanchoe laciniata DC.

Common, fls. & frts., BDS 39917.

DROSERACEAE

Drosera indica L.

Common, fls. & frts., BDS 40054.

D. peltata Sm.

Common, frts., BVS 32350.

RHIZOPHORACEAE

Cassipourea ceylanica (Gardn.) Alston*Weihea zeylanica* Baill.

Common, fls. buds, BDS 39959.

COMBRETACEAE

Anogeissus latifolia (Roxb.) Bedd.

Common fls., BVS 32300; frts., BDS 39926.

Calycopteris floribunda (Roxb.) Lamk.

Common, fls., SK 40119.

Combretum ovalifolium Roxb.

Common, fls., BDS 39932.

Terminalia chebula Retz.

Common, frts., BVS 27985; SK 40128.

T. paniculata Roth

Common, fls., BVS 32312; BVS 32938.

MYRTACEAE

Eugenia calcadensis Bedd.

Common, fls., BVS 27938.

E. hemispherica Wt.*Jambosa hemisphaerica* Walp.

Common, fls., BDS 42108.

E. laeta Buch.-Ham.*Jambosa laeta* Bl.

Common, fls., BDS 39987.

Syzygium benthianum Gamble

Common, fls., BDS 40043.

S. caryophyllatum (L.) Alston*S. caryophyllaceum* Wt. non Gaertn.

Common, fls., BVS 32356; frts., BDS 40016.

S. jambos (L.) Alston*Jambosa vulgaris* DC.

Common, fls., BDS 40067.

S. phillyraeoides (Trim.) Santapau*Eugenia mooniana* Wt.

Common, frts., BDS 40063.

S. wightianum Wall.

Rare, fls., BVS 33078.

MELASTOMATACEAE

Memecylon umbellata Burm.*M. edule* Roxb.

Common, frts., BDS 42119.

M. heyneanum Benth.

Rare, fls., BVS 27965; frts., BDS 40065.

Osbeckia zeylanica Willd.

Common, fls. & frts., BDS 39933.

Sonerila brunonis Wt. & Arn.

Rare, fls. & frts., BVS 33018.

S. travancorica Bedd.

Common, fls. & frts., BDS 40031.

LYTHRACEAE

Lagerstroemia lanceolata Wall. ex Wt. & Arn.

Common, fls., BVS 32308; frts., BDS 40070.

ONAGRACEAE

Ludwigia octovalvis (Jacq.) Raven subsp.*sessiliflora* (Micheli) Raven*Jussiaea suffruticosa* Linn.

Common, fls. & frts., BDS 39934.

L. perennis L.*Jussiaea perennis* (L.) Brenan

Rare, fls. & frts., BVS 32270.

SAMYDACEAE

Casearia esculenta Roxb.

Common, frts., BVS 32330.

PASSIFLORACEAE

Adenia palmata (Lamk.) Engler

Common, frts., BVS 33003.

Passiflora foetida L.

Common, fls. & frts., BVS 32227.

CUCURBITACEAE

Mukia maderaspatana (L.) Roem.*Melothria maderaspatana* Cogn.

Common, fls. & frts., BVS 32224.

BEGONIACEAE

Begonia fallax A. DC.

Common, fls. & frts., BVS 28042.

B. floccifera Bedd.

Common, fls. & frts., SK 40112.

AIZOACEAE

Mollugo pentaphylla L.

Common, fls. & frts., BVS 27904.

APIACEAE (UMBELLIFERAE)

Heracleum rigens Wall.

Common, fls. & frts., BVS 28033.

Pimpinella candolleana Wt. & Arn.

Common, fls., BVS 28041.

ARALIACEAE

Schefflera stellata (Gaertn.) Baill.

Common, frts., BVS 32291.

S. venulosa (Wt. & Arn.) Harms

Common, fls., BDS 42109.

ALANGIACEAE

Alangium salvifolium (L. f.) Wang. subsp.*hexapetalum* (Lamk.) Wang.

Common, frts., BVS 27959.

RUBIACEAE

- Borreria articularis** (L. f.) F.N. Will.
B. hispida K. Schum.
 Common, fls. & frts., BVS 32218.
- B. ocymoides** DC.
 Common, fls. & frts., BVS 32303.
- Canthium angustifolium** Roxb.
Plectronia rheedii Bedd. var. *angustifolia* Gamble.
 Common, fls., BVS 32326; fls. & frts., BDS 40007.
- C. dicoccum** (Gaertn.) Merrill
Plectronia didyma Kurz
 Common, fls., BVS 32294; BDS 39946; BDS 40074.
- C. travancoricum** (Bedd.) Hk. f.
Plectronia travancorica Bedd.
 Common, frts., BVS 27923; BVS 32254; BVS 32302.
- Chasalia ophioxylodes** (Roxb.) Craib
C. curviflora Thw.
 Common, fls. & frts., BVS 27957; SK 40109.
- Gardenia resinifera** Roth
G. lucida Roxb.
 Common, frts., BVS 33002.
- Hedyotis purpurascens** Hook. f.
Oldenlandia purpurascens O. Kze.
 Common, fls. & frts., BVS 28036; BDS 40036.
- Ixora arborea** Roxb. ex Sm.
I. parviflora Vahl
 Common, fls., BDS 39957; frts., SK 40101.
- I. brachiata** Roxb.
 Common, fls., BVS 32940.
- I. lanceolaria** Hook. f.
 Common, fls., SK 40111; frts., BDS 42123.
- I. nigricans** R. Br. ex Wt. & Arn.
 Common, fls. & frts., BVS 32951; BDS 40000; frts., BDS 40053.
- Lasianthus cinereus** Gamble
 Common, fls. & frts., BDS 40028.
- L. dichotomus** Wt.
 Common, fls. & frts., BDS 40033.
- Mitragyna parvifolia** (Roxb.) Korth.
 Common, frts., BDS 39947.
- Morinda umbellata** L.
 Common, fls., SK 40118.
- Mussaenda laxa** (Hook. f.) Hutch. ex Gamble
 Common, fls., BVS 27943; fls. & frts., BDS 42137.
- Neanotis indica** (DC.) W. H. Lewis
Anotis leschenaultiana (Wall. ex Wt. & Arn.) Hook. f.
 Common, fls. & frts., BVS 33059.
- Oldenlandia umbellata** L.
 Common, fls. & frts., BVS 32209.
- Ophiorrhiza eriantha** Wt.
 Common, fls., BVS 28039; BDS 40024.
- O. mungos** L.
 Common, fls. & frts., BVS 27966.
- Pavetta breviflora** DC.
 Common, frts., BDS 40066.
- P. hispidula** Wt. & Arn.
 Common, fls., BVS 27962.
- P. indica** Linn. var. *montana* Thw.
 Common, frts., SK 40163.
- Psychotria congesta** Hook. f.
 Common, frts., BVS 28051.
- *P. connata** Wall.
 Common, fls. & frts., BVS 32311; BDS 39991; SK 40094.
- P. nudiflora** Wt. & Arn.
 Common, fls., BVS 32321; frts., BDS 40049.
- P. thwaitesii** Hook. f.
 Common, fls. & frts., BDS 40045; frts., BDS 40060.
- Stylocoryne lucens** (Hook. f.) Gamble
 Common, fls., BVS 32942; SK 40100; SK 40147; frts., BDS 39981.
- Xeromphis malabarica** (Lamk.) Rafin.
Randia malabarica Lamk.
 Common, fls. & frts., BVS 27976; frts., BVS 32941; BDS 40072.
- X. spinosa** (Thunb.) Keay
Randia dumetorum Lamk.
 Common, fls., BVS 27926; frts., BDS 40071.

ASTERACEAE (COMPOSITAE)

Anaphalis subdecurrens (DC.) Gamble

Common, fls. & frts., BVS 28050; BVS 32358.

***Blepharispermum petiolare** DC.

Common, fls. & frts., BVS 33025.

Centratherum rangacharii Gamble

Common, fls. & frts., BVS 33031; SK 40158.

Emilia scabra DC.

Common, fls. & frts., BVS 28034; BVS 32343.

Gynura nitida DC.

Common, fls. & frts., BVS 33085.

Helichrysum hookerianum Wt. & Arn.

Common, fls. & frts., BVS 33068.

Notonia grandiflora DC.

Common, fls. & frts., BVS 27901; SK 40160.

Senecio ludens Clarke

Common, fls. & frts., BVS 32357.

S. walkeri Arn.

Common, fls. & frts., BDS 40029.

Spilanthes paniculata Wall. ex DC.

S. acmella auct. plur. non Murr.

Common, fls. & frts., BVS 33016.

Vernonia albicans DC.

Common, fls. & frts., SK 40083.

V. cinerea (L.) Less.

Common, fls. & frts., BVS 27987; BVS 32970.

***V. comorinensis** W. W. Sm.

Rare, fls. & frts., BDS 40057.

V. divergens (Roxb.) Edgew.

Common, fls. buds, SK 40153.

***V. travancorica** Hook. f.

Common, fls. & frts., BDS 40012.

Wedelia urticaefolia DC. var. **wightii** DC.

Common, fls. & frts., BVS 28048.

LOBELIACEAE

Lobelia nicotianaefolia Heyne var. **trichandra** Clarke

Common, fls., BVS 33047.

L. alsinoides Lamk.

L. trigena Roxb.

Common, fls., BVS 32274; BDS 42129.

PLUMBAGINACEAE

Plumbago zeylanica L.

Common, fls. & frts., BVS 28017.

MYRSINACEAE

Ardisia rhomboidea Wt.

Common, fls. & frts., BVS 33054; fls., BDS 40017.

Maesa perrottetiana A. DC.

Common, frts., BVS 28040; fls. & frts., BDS 40059.

Rapanea wightiana (Wall. ex A.DC.) Mez.

Common, fls. buds, BDS 40041.

SAPOTACEAE

Isonandra lanceolata Wt.

Common, fls. & frts., BVS 27968; frts., BVS 32957; BDS 39998.

Madhuca indica J. F. Gmel.

Bassia latifolia Roxb.

Common, frts., BDS 42105.

Manilkara roxburghiana (Wt.) Dub.

Mimusops roxburghiana Wt.

Common, frts., BVS 27983; BDS 39962.

EBENACEAE

***Diospyros foliolosa** Wall.

Common, frts., BDS 39973.

D. montana Roxb.

Common, frts., BDS 39953.

Maba buxifolia Pers.

Common, frts., BVS 27918; BVS 28056; BVS 32278.

SYMPLOCACEAE

Symplocos laurina Wall. ex Rehd. & Wills.

S. spicata Roxb.

Common, fls., BDS 39980.

OLEACEAE

Jasminum angustifolium Vahl

Common, fls., BVS 27934.

J. auriculatum Vahl

Common, frts., BDS 39911; fls., BDS 42115.

J. calophyllum Wall.

Common, fls., BVS 27911; BVS 32994; BDS 39914; fls. & frts., BDS 42136.

Ligustrum decaisnei Clarke var. **microphylla** Clarke

Common, fls. & frts., BVS 28049; fl. buds & frts., BVS 33076.

***Linociera courtallensis** Bourd.

Rare, fls., BDS 40052.

***L. wightii** Clarke

Common, frts., BDS 40005.

L. zeylanica (L.) Gamble

Common, fls., BVS 32288 ; BDS 39938.

Olea dioica Roxb.

Common, fls., BVS 32333 ; BDS 39948.

SALVADORACEAE

Azima tetracantha Lamk.

Common, frts., BVS 32379.

APOCYNACEAE

Aganosma cymosa G. Don

Common, fls., BVS 27973 ; BDS 42120.

Alstonia venenata R. Br.

Rare, fls. & frts., BVS 32269 ; frts., SK 40129.

Carissa carandas L.

Common, frts., BDS 42113.

C. congesta Wt.

Common, fls., BVS 27908.

Catharanthus pusillus (Murr.) G. Don*Lochnera pusilla* K. Schum.

Common, fls. & frts., BVS 28015.

Hunteria corymbosa Roxb. var. *roxburghiana* Trim.

Common, fls., BDS 39913.

Ichnocarpus frutescens (L.) Ait. & Ait. f.

Rare, fls., BVS 32223.

Rauvolfia densiflora (Wall.) Benth. ex Hook. f.

Common, frts., BVS 28038 ; BDS 40030.

Wrightia tinctoria R. Br.

Common, frts., BVS 33034.

ASCLEPIADACEAE

Ceropegia intermedia Wt.

Common, fls., BVS 32959.

C. candelabrum L.*C. tuberosa* Roxb.

Common, fls., BVS 32977.

Cynanchum tunicatum (Retz.) Alst.*C. pauciflorum* R. Br.

Common, fls. & frts., BDS 39972.

Dregea volubilis (L.f.) Benth. ex Hook. f.*Marsdenia volubilis* T. Cooke

Common, fls., BVS 27906 ; BDS 42116 ; frts., SK 40143.

Gymnema sylvestre (Retz.) Schult.

Common, frts., BDS 39906.

Leptadenia reticulata (Retz.) Wt. & Arn.

Common, fls., BVS 27993 ; BDS 42130.

Pergularia daemia (Forsk.) Chiov.*P. extensa* N. E. Br.

Common, fls., BVS 32295.

Sarcostemma brunonianum Wt. & Arn.

Common, fls., BVS 32266 ; BDS 39990.

Secamone emetica R. Br.

Common, fls., BVS 32258 ; frts., BDS 39903.

Tylophora capparidifolia Wt. & Arn.

Common, fls., BVS 27960.

T. indica (Burm. f.) Merrill*T. asthmatica* Wt. & Arn.

Common, fls., BVS 27992 ; BVS 32279.

LOGANIACEAE

Fagraea ceilanica Thunb.*F. obovata* Wall.

Common, fls., BVS 32968 ; frts., SK 40090.

Strychnos lenticellata A. W. Hill

Common, frts., BVS 32244 ; BDS 42122.

S. potatorum L.f.

Common, frts., BVS 32996.

GENTIANACEAE

Exacum sessile L.

Rare ; fls. & frts., BVS 32347.

E. wallichii Clarke

Common, fls. & frts., BDS 39943.

BORAGINACEAE

Carmona retusa (Vahl) Masammo*Ehretia microphylla* Lamk.

Common, fls. & frts., BVS 27982 ; BVS 32208.

Ehretia ovalifolia Wt.

Common, fls., BVS 27977 ; BVS 32923 ; frts., BVS 28060.

Heliotropium scabrum Retz.

Common, fls. & frts., BVS 32217 ; BVS 32220.

Trichodesma indicum (L.) Lehm.

Common, fls. & frts., BVS 32374.

CONVOLVULACEAE

Argyreia daltoni Clarke

Common, frts., SK 40164.

Argyreia imbricata (Roth) Sant. & Patel*Lettsomia aggregata* Roxb.

Common, frts., SK 40115.

Ipomoea diversifolia R. Br.*I. laciniata* Clarke

Common, fls., SK 40084.

I. obscura (L.) Ker-Gawl.

Common, fls. & frts., BVS 32241.

I. staphylina Roem. & Sch.

Common, fls., SK 40166.

Merremia tridentata (L.) Hall. f.

Common, fls. & frts., BVS 32238.

Rivea hypocrateriformis (Lamk.) Choisy

Common, fls. & frts., BVS 32924.

SOLANACEAE

Solanum pubescens Willd.

Common, fls., BVS 27932.

S. vagum Heyne ex Nees

Rare, fls. & frts., BVS 27980.

SCROPHULARIACEAE

Bacopa monnieri (L.) Pennell*Moniera cuneifolia* Michx.

Common, fls. & frts., BVS 32328 ; BDS

42127.

Lindernia antipoda (L.) Alston*Ilysanthes veronicaefolia* Urban

Rare, fls. & frts., BVS 32233.

Sopubia delphinifolia (Roxb.) G. Don

Common, fls. & frts., BDS 39936.

Striga asiatica (L.) O. Kuntze

Common, fls. & frts., BVS 28032 ; BVS 32354.

OROBANCHACEAE

Christisonia bicolor Gardn.

Common, fls., BVS 32366.

LENTIBULARIACEAE

Utricularia graminifolia Vahl

Common, fls. & frts., BVS 33005 ; BDS 39974.

U. roseo-purpurea Stapf ex Gamble

Common, fls. & frts., BVS 33050.

U. scandens Benj.

Common, fls. & frts., BVS 33014.

U. striatula Sm.

Common, fls. & frts., BVS 32355 ; BVS 32949.

GESNERIACEAE

Aeschynanthus planiculmis Gamble

Rare, fls. & frts., BVS 33051.

Didymocarpus tomentosa Wt.

Common, fls. & frts., BVS 32293 ; BVS 32947.

BIGNONIACEAE

Stereospermum personatum (Hassk.) Chatt.*S. tetragonum* DC.

Common, fls. & frts., BVS 32316 ; BDS 42125.

ACANTHACEAE

Andrographis alata Nees

Common, fls. & frts., SK 40080.

A. echioides (L.) Nees

Very common, fls. & frts., BVS 32372.

Asystasia gangetica (L.) T. And.

Common, fls. & frts., SK 40165.

Barleria acuminata Wt.

Common, fls. & frts., BVS 32991.

B. courtallica Nees

Common, fls. & frts., BDS 39978.

B. cuspidata Heyne ex Nees

Abundant, fls. & frts., BVS 32276.

B. involucrata Nees var. **elata** (Dalz.) Clarke

Common, fls. & frts., BVS 32953.

B. nitida Nees

Common, fls. & frts., BVS 32921.

Blepharis maderaspatensis (L.) Heyne ex Roth*B. boerhaviaefolia* Pers.

Common, fls. & frts., BDS 39925.

Crossandra infundibuliformis (L.) Nees*C. undulaefolia* Salisb.

Common, fls. & frts., BVS 27922 ; BDS 39910.

Dicliptera zeylanica Nees

Common, fls., BDS 40018.

***Diotacanthus albiflorus** Benth.

Common, fls., BVS 32937 ; fls. & frts., BDS 39976.

Ecbolium viride (Forsk.) Alston var. **laetevirens** (Clarke) Raizada*E. linneanum* Kurz var. *laetevirens* Clarke

Common, fls. & frts., BVS 27937 ; BDS 39992.

- Eranthemum capense** L.
E. montanum Roxb.
 Common, fls. & frts., BDS 39985.
- Justicia betonica** L.
 Common, fls. & frts., BDS 39941; BDS 40069.
- J. glauca** Rottl.
 Common, fls. & frts., BVS 32245.
- J. procumbens** L. var. *simplex* (D. Don) Yamazaki
J. simplex D. Don.
 Common, fls. & frts., BVS 28054.
- J. prostrata** (Clarke) Gamble
 Common, fls. & frts., BVS 28018; BVS 28057.
- Lepidagathis scariosa** Nees
 Common, fls. & frts., BVS 32375.
- *Leptostachya wallichii** Nees
Dianthera wallichii (Nees) Benth.
 Common, fls., BDS 40025.
- Monotheclium aristatum** T. And.
 Common, fl. buds, SK 40082.
- Peristrophe montana** Nees
 Common, fls. & frts., BVS 33035.
- Rungia latior** Nees
 Common, fls. & frts., BVS 33067.
- Stenosiphonium cordifolium** (Vahl) Alston
S. russellianum Nees var. *subsericeum* T. And.
 Common, fls. & frts., BDS 39915.
- VERBENACEAE
- Clerodendrum infortunatum** L.
 Common, fls., BVS 28011.
- C. serratum** (L.) Moon
 Rare, fls., BVS 33012.
- C. viscosum** Vent.
 Common, fls., BVS 32339.
- Gmelina asiatica** L.
 Common, fls. & frts., BVS 28022; fls., BDS 39942.
- Lantana wightiana** Wall.
 Abundant, fls., BVS 32992.
- Premna latifolia** Roxb.
 Common, fls. & frts., BVS 28061.
- P. serratifolia** L.
 Common, fls., BVS 27942; BVS 27928.
- Stachytarpheta urticaefolia** (Salisb.) Sims
S. indica auct. non Vahl
 Fairly common, fls. & frts., BVS 32226.
- Svensonia hyderabadensis** (Walp.) Moldenke
Bouchea hyderabadensis Walp.
 Common, fls. & frts., BVS 33088.
- Vitex altissima** L.f.
 Rare, fls. & frts., BVS 32228.
- LAMIACEAE (LABIATAE)
- *Anisochilus robustus** Hook. f.
 Common, fl. buds, SK 40157.
- A. scaber** Benth.
 Common, fls. & frts., BVS 27971; BVS 32973.
- Anisomeles malabarica** R. Br.
 Common, fls., BVS 32235; BDS 39902.
- Coleus amboinicus** Lour.
 Common, fls., BDS 39901.
- C. forkohlii** (Poir.) Briq.
C. barbatus Benth.
 Common, fls. & frts., BVS 32289.
- C. malabaricus** Benth.
 Common, fls. & frts., BVS 33064; BDS 40026.
- Gomphostemma ericcarpon** Benth.
 Common, fls. & frts., BVS 28007; fls., BVS 32338.
- Leucas aspera** (Willd.) Spreng.
 Common, fls. & frts., BVS 28014.
- L. biflora** R. Br.
 Common, fls. & frts., BVS 32298; SK 40151.
- L. ciliata** Benth.
 Common, fls. & frts., BVS 28043.
- L. hirta** Spr.
 Common, fls. & frts., BVS 32342.
- Ocimum canum** Sims
 Common, fls. & frts., BVS 32902.
- *Orthosiphon comosus** Wt. ex Benth.
 Common, fls. & frts., BVS 32955; SK 40154.
- O. diffusus** Benth.
 Common, fls. & frts., BVS 27996; BVS 32242.
- O. thymiflorus** (Roth) Sleesau
O. viscosus Benth.
 Common, fls. & frts., BVS 32292.

Plectranthus wightii Benth.

Common, fls. & frts., BVS 33056.

Pogostemon mollis Benth.

Common, fls. & frts., BVS 33083.

P. pubescens Benth.

Common, fls., BDS 40047.

Scutellaria colebrookiana Benth.

Common, fls. & frts., BVS 28035; BVS 32969.

S. violacea Heyne

Common, fls. & frts., BVS 32325; BVS 27970.

S. wightiana Benth.

Common, fls. & frts., BDS 40013.

Teucrium tomentosum Heyne

Common, fls. & frts., BVS 33053.

NYCTAGINACEAE

Boerhavia diffusa L.

Common, fls. & frts., BVS 32210.

B. verticillata Poir.

Common, fls. & frts., BDS 40079.

Pisonia aculeata L.

Common, fls., BDS 39961.

AMARANTHACEAE

Aerva lanata (L.) Juss.

Common, fls. & frts., BVS 32904.

Psilotrichum calceolatum Moq.

Common, fls. & frts., BVS 27907.

POLYGONACEAE

Polygonum glabrum Willd.

Common, fls. & frts., BVS 27930.

ARISTOLOCHIACEAE

Aristolochia indica L.

Common, frts., BDS 39977.

A. tagala Cham.

Common, fls., BVS 32323.

PIPERACEAE

Peperomia dindigulensis Miq.

Common, fls., BVS 32307.

P. reflexa (L.f.) A. Dietr.

Common, frts., SK 40088.

Piper attenuatum Buch.-Ham.

Common, fls., BVS 28026; BVS 28055; BVS 32327.

P. nigrum L.

Common, fls. & frts., BDS 40044.

CHLORANTHACEAE

Sarcandra grandifolia (Miq.) Subr. & Henry*S. irvingbaileyi* Swamy

Rare, frts., BVS 32336; BDS 40019.

LAURACEAE

***Actinodaphne campanulata** Hook. f.

Common, frts., BDS 40039.

Neolitsea zeylanica Merr.

Common, fls., BDS 39996.

HERNANDIACEAE

Gyrocarpus jacquini Gaertn.*G. americanus* Jacq.

Common, fls., BDS 39921.

ELAEAGNACEAE

Elaeagnus conferta Roxb.

Rare, fls., BVS 33021.

LORANTHACEAE

Dendrophthoe falcata (L.f.) Etting.*Loranthus longiflorus* Desv. var. *falcatus* Kurz

Common, frts., BVS 32979; fls. & frts., BVS 32998; BDS 39930.

D. neelgherrensis (Wt. & Arn.) van Teigh.*Loranthus neelgherrensis* Wt. & Arn.

Common, fls. & frts., BDS 40046.

Helicanthes elastica (Desr.) Danser*Loranthus elasticus* Desr.

Common, frts., BDS 39904.

Helixanthera lepidophylla (Walp.) Danser*Loranthus wightii* Hook. f.

Common, fls. & frts., BDS 39994.

Taxillus cuneatus (Roth) Danser*Loranthus cuneatus* Heyne

Common, fls., BVS 28000; BVS 32919; BVS 32989; fls. & frts., BDS 39918.

Viscum articulatum Burm. f.

Common, fls. & frts., BVS 27933.

V. monoicum Roxb. ex DC.

Common, fls. & frts., BVS 28019.

V. orientale Willd.

Common, fls. & frts., BVS 27999; frts., BDS 39929.

Viscum ramosissimum Wall.

Common, frts., BVS 27998 ; BDS 39995 ;
fls. & frts., BVS 32985.

EUPHORBIACEAE

Acalypha ciliata Forsk.

Rare, fls. & frts., BVS 32239.

A. fruticosa Forsk.

Common, fls. & frts., BVS 27903.

A. racemosa Wall. ex Baill.

A. paniculata Miq.

Common, fls. & frts., BVS 28012.

Actephila excelsa Muell.-Arg.

Common, fls. & frts., BVS 28020.

Agrostistachys indica Dalz.

Common, fl. buds, BDS 40051.

Antidesma zeylanicum Lamk.

Common, frts., BVS 32272.

Bischofia javanica Bl.

Common, frts., BVS 32317 ; fl. buds, BDS
40068.

Blachia calycina Benth.

Common, fls., BVS 27936 ; BVS 33024 ;
BDS 39937 ; frts., SK 40107.

B. reflexa Benth.

Common, frts., BDS 40003.

B. umbellata Baill.

Common, fls. & frts., SK 40092.

Breynia retusa (Dennst) Alston

B. patens Rolfe

Common, fls. & frts., BVS 27952 ; frts.,
BDS 42104.

Bridelia scandens Gehrman.

Common, frts., BDS 39956.

B. squamosa (Lamk.) Gehrman.

B. retusa Spr. p.p.

Common, frts., BDS 40050.

Croton klotzschianus Thw.

Common, fls. & frts., BVS 27915 ; BVS
27935 ; fls., BDS 39944 ; BDS 39965 ; SK
40124.

Dalechampia indica Wt.

Common, fls., SK 40145.

Epiprinus mallotiformis (Muell.-Arg.) Crizat.

Symphillia mallotiformis Muell.-Arg.

Common, fls., BDS 40008.

Euphorbia antiquorum L.

Common, fls. & frts., BVS 32380.

E. cristata Heyne ex Roth

Common, fls. & frts., SK 40146.

E. hirta L.

Common, fls. & frts., BVS 32275.

Excoecaria crenulata Wt.

Common, fls., BVS 32950.

Suregada angustifolia (Muell.-Arg.) Airy Shaw

Gelonium lanceolatum Willd.

Common, fl. buds, SK 40117.

Givotia rottleriformis Griff.

Common, frts., BVS 27945 ; BDS 39924.

Glochidion ellipticum Wt.

Common, fls. & frts., BVS 32329 ; frts., SK
40086.

Drypetes sepiaria Pax. & Hoffm.

Hemicyclia sepiaria Wt. & Arn.

Common, fls., BDS 39940 ; frts., BDS 42141.

Jatropha gossypifolia L.

Common, fls. & frts., BVS 28016.

***J. maheshwarii** Subr. & Nayar

Common, fls. & frts., BVS 28013.

Kirganelia reticulata (Poir.) Baill.

Common, fls. & frts., BVS 32213.

***Koildepas calycinum** Bedd.

Common, fls., BDS 39989.

Mallotus aureopunctatus (Dalz.) Muell.-Arg.

Common, fls., BVS 27946.

M. distans Muell.-Arg.

Common, fl. buds, BDS 40004.

M. muricatus Bedd.

Common, fls., BDS 39963.

M. philippensis (Lamk.) Muell.-Arg.

Common, fls., BVS 27944 ; fls. & frts., BVS
32331.

M. rhamnifolius Muell.-Arg.

Common, fls., BVS 27940 ; BDS 39993.

M. stenanthus Muell.-Arg.

Common, fls. & frts., BVS 27941 ; frts.,
BVS 32273.

Phyllanthus gardnerianus Baill.

Common, fls. & frts., BVS 28031.

P. polyphyllus Willd.

Common, fls. & frts., BVS 27916 ; BDS
39966.

***Reidia longiflora** Gamble

Common, fls. & frts., BVS 27961.

Sapium insigne Benth.

Common, fls., BDS 39983.

Securinega leucopyrus (Willd.) Muell.-Arg.*Fluggea leucopyrus* Willd.

Common, fls. & frts., BVS 28058; frts., BDS 42132.

S. virosa (Roxb. ex Willd.) Pax & Hoffm.*Fluggea virosa* Baill.

Common, frts., BVS 27919; fls., BVS 27920.

ULMACEAE

Celtis cinnamomea Lindl. ex Planch.*C. wightii* Planch.

Common, fl. buds, BDS 39922; fls. & frts., BDS 39967; SK 40120.

MORACEAE

Artocarpus heterophyllus Lamk.*A. integrifolia* auct. non L.f.

Rare, fls., BVS 32952.

Dorstenia indica Wt.

Common, fls. & frts., BVS 27969; BVS 33030.

Ficus arnottiana Miq.

Rare, fls. & frts., BVS 32267.

F. asperima Roxb.

Common, fls. & frts., SK 40091.

F. benghalensis L.

Fairly common, fls. & frts., BVS 27994.

F. gibbosa Bl. var. *cuspidata* Miq.

Common, fls. & frts., SK 40135.

F. microcarpa L.f.*F. retusa* auct. non Linn.

Common, fls. & frts., BDS 39960.

F. racemosa L.*F. glomerata* Roxb.

Common, fls. & frts., BVS 32234; BVS 32280; BDS 39968.

F. retusa var. *nitida* Thunb.

Common, fls. & frts., BDS 39931.

F. tjakela Burm.

Common, fls. & frts., BDS 40056.

F. tomentosa Roxb. ex Willd.

Common, fls. & frts., BVS 27997; BDS 39912.

Plecospermum spinosum Trec.

Common, frts., BDS 42118.

Streblus asper Lour.

Common, fls., SK 40102.

URTICACEAE

Debregeasia longifolia (Burm. f.) Wedd.*D. velutina* Gaud.

Common, fls. & frts., BDS 40061.

Elatostema lineolatum Wt.

Common, fls. & frts., BVS 28052.

Laportea crenulata Gaud.

Common, fls. & frts., BDS 40064.

Pouzolzia auriculata Wt.

Common, fls. & frts., BVS 32284.

P. wightii Benn.

Common, fls. & frts., SK 40137.

HYDROCHARITACEAE

Hydrilla verticillata (L.f.) Royle

Common, fls., BVS 33075.

Nechamandra alternifolia (Roxb.) Thw.*Lagarosiphon alternifolia* Druce

Common, fls., BVS 33074.

BURMANNIACEAE

Burmannia pusilla (Wall. ex Miers.) Thw.*B. coelestis* Fischer non D. Don

Common, fls. & frts., BVS 33041.

ORCHIDACEAE

Aerides cylindricum Lindl.

Common, fls., BDS 39979.

Arundina graminifolia Hochr.

Common, fls., BVS 32352; BVS 32978.

Brachycorythis iantha (Wt.) Summerh.*Phyllomphax obcordata* Schltr.

Common, fls., BVS 28037; BVS 32341.

Calanthe masuca (D. Don) Lindl.

Common, frts., BVS 32960.

Coelogyne nervosa A. Rich.

Rare, fls., BVS 32361.

Dendrobium barbatulum Lindl.

Common, fls., SK 40096.

D. herbaceum Lindl.

Common, fls., SK 40087.

D. wightii A. D. Hawkes & A. H. Heller*D. graminifolium* Wt.

Common, fls. & frts., BVS 33044.

Disperis neilgherrensis Wt.

Common, fls., BVS 27964; BVS 32324.

Eria polystachya A. Rich.

Common, fls. & frts., BDS 40042.

Eulophia graminea Lindl.

Common, fls., BDS 39935.

Habenaria perrottetiana A. Rich.

Common, fls., BVS 33043.

H. virens (Lindl) Abeywickr.*H. barbata* Wt. ex Hook. f.

Common, fls., BVS 32966.

Oberonia brunoniana Wt.

Common, fls. & frts., BVS 33052.

Porpax jerdoniana (Wt.) Rolfe

Common, fls., BVS 32353.

Satyrium nepalense D. Don

Common, fls., BVS 32368.

Sirhookera latifolia (Wt.) O. Kuntze*Josephia latifolia* Wt.

Very common, fls., BVS 32359.

Trias stocksii Benth. ex Hook. f.

Rare, fls., BDS 40015.

Tropidia curculigoides Lindl.

Common, fls., BVS 32932; frts., SK 40122.

Vanda tessellata (Roxb.) Hook. ex G. Don

Common, fls., BVS 32285.

ZINGIBERACEAE

Costus speciosus (Koenig ex Retz.) Sm.

Common, fls., BVS 33029.

Elettaria cardamomum Maton

Common, fls. & frts., BVS 32954.

MARANTACEAE

Schumannianthus virgatus (Roxb.) Rolfe

Common, fls. & frts., BVS 27967.

CANNACEAE

Canna orientalis Rosc.

Common, fls. & frts., BVS 32332.

HAEMODORACEAE

Ophiopogon intermedius D. Don

Common, fls., BVS 28009.

AMARYLLIDACEAE

Molineria trichocarpa (Wt.) Balak.*M. finlaysoniana* Baker

Common, fls. & frts., BVS 27958.

DIOSCOREACEAE

Dioscorea oppositifolia L.

Common, frts., BDS 39952.

D. pentaphylla L. var. *linnaei* Prain & Burk.

Common, fls., BVS 28025; BVS 32322.

LILIACEAE

Chlorophytum attenuatum Baker

Common, fls., BVS 32349.

C. heynei Baker

Common, fls. & frts., BVS 33036.

Dracaena terniflora Roxb.

Common, frts., BVS 32961.

Gloriosa superba L.

Common, fls., BVS 32230.

PONTEDERIACEAE

Monochoria vaginalis (Burm. f.) Presl ex

Kunth

Rare, fls., BVS 32913.

COMMELINACEAE

Amischophacehus axillaris (L.) Rolla Rao &

Kammathy

Cyanotis axillaris (L.) J.A. & J. H.

Common, fls. & frts., BVS 32997.

Commelina clavata Clarke

Common, fls. & frts., BVS 28044.

C. ensifolia R. Br.

Common, fls. & frts., BVS 27950.

Cyanotis arachnoidea Clarke

Common, fls. & frts., BVS 28047; BVS 32958.

C. cristata (L.) D. Don

Rare, fls. & frts., BVS 32304.

Floscopa scandens Lour.

Common, fls. & frts., BVS 33019.

Murdannia esculenta (Wall. ex Clarke) Rolla

Rao & Kammathy

Aneilema esculentum Wall.

Common, fls. & frts., BVS 32934.

M. zeylanica (Clarke) Bruckn. var. *longicapsa*

(Clarke) Rolla Rao & Kammathy

Aneilema zeylanicum Clarke var. *longicapsa* Clarke

Common, fls. & frts., BVS 28030.

ARECACEAE (PALMAE)

Calamus pseudo-tennuis Becc.

Common, frts., BDS 40077.

TYPHACEAE

Typha angustata Bory & Chaub.

Common, fls., BDS 39984.

ARACEAE

Anisaema leschenaultii Bl.

Common, fls. & frts., BVS 28028.

Pothos scandens L.

Common, fls., BDS 40010.

POTAMOGETONACEAE

Potamogeton nodosus Poir.*P. indicus* Roxb.

Common, fls., BVS 27929.

ERIOCAULACEAE

Eriocaulon cinereum R. Br.*E. sieboldianum* Sieb. & Zucc.

Common, fls. & frts., BVS 32263.

E. longicuspis Hook. f. var. **polycephala** Fyson

Common, fls. & frts., BVS 32370.

E. melaleucum Mart.

Common, fls. & frts., BVS 32945.

E. quinquangulare L.

Common, fls. & frts., BVS 33009; SK 40149.

E. truncatum Ham. ex Mart.

Fairly common, fls. & frts., BVS 32277.

CYPERACEAE

Carex baccans Nees

Common, fls. & frts., BVS 33046.

C. lindleyana Nees var. **major** Fischer

Common, fls. & frts., BVS 33055.

Cyperus dubius Rottb.*Marisus dubius* Kukenthal

Common, fls. & frts., BVS 27974; BVS 32257.

C. polystachyos Rottb.*Pycneus odoratus* Urb.

Common, fls. & frts., BVS 32231.

C. pumilus L.

Common, fls. & frts., BVS 32212.

Fimbristylis dichotoma (L.) Vahl

Common, fls. & frts., BVS 32255.

F. junciformis Kunth var. **abbreviata** Clarke

Common, fls. & frts., BVS 27986.

F. quinqueangularis Kunth var. **crassa** Clarke

Common, fls. & frts., BVS 28046.

Fuirena ciliaris (L.) Roxb.*F. glomerata* Lamk.

Common, fls. & frts., BVS 33006.

Lipocarpa chinensis (Osb.) Kern.*L. argentea* R. Br.

Common, fls. & frts., BVS 33007.

Scirpus squarrosus L.

Common, fls. & frts., BVS 32214; BVS 32264.

S. supinus L.

Rare, fls. & frts., BVS 32268.

Scleria lithosperma (L.) Sw. var. **linearis** Benth.*S. lithosperma* Sw. var. *roxburghii* Clarke

Common, frts., BVS 32253.

POACEAE (GRAMINEAE)

Apluda mutica L.*A. aristata* L.

Common, fls. & frts., BVS 28005.

Apocypis courtallumensis (Steud.) Henr.*A. wightii* Nees ex Thw.

Common, fls. & frts., BVS 33040.

Aristida depressa Retz.

Common, fls. & frts., BVS 32907.

Arundinella ciliata (Roxb.) Nees ex Miq.*A. holcoides* Fischer non Trin.

Common, fls. & frts., BVS 33017; SK 40123.

A. mesophylla Nees ex Steud.

Common, fls. & frts., BVS 32971.

Brachiaria semiverticillata (Rottb.) Alston

Common, fls. & frts., BVS 27953; BVS 32286.

Chloris dolichostachya Lagasca*C. incompleta* Roth

Common, fls. & frts., BVS 33027.

Chrysopogon hacke'ii (Hook. f.) Fischer

Abundant, fls. & frts., BVS 32944.

C. orientalis (Desv.) A. Camus

Common, fls. & frts., BVS 33038.

C. zeylanicus (Nees) Thw.

Common, fls. & frts., BVS 33071 & 33072.

Cymbopogon coloratus (Nees) Stapf

Common, fls. & frts., BVS 32931; SK 40140.

- Cyrtococcum trigonum** (Retz.) A. Camus
Common, fls. & frts., BVS 33033.
- Digitaria granularis** (Trin.) Henr.
D. pedicellaris Prain
Common, fls., BVS 32335; fls. & frts., BVS 32962.
- Dimeria lehmanii** (Nees) Hack.
Common, fls. & frts., BDS 39975.
- Eragrostiella bifaria** (Vahl) Bor
Eragrostis bifaria Wt.
Common, fls. & frts., BVS 32930.
- Eragrostis aspera** (Jacq.) Nees
Common, fls. & frts., BVS 32916.
- E. gangetica** (Roxb.) Steud.
Common, fls. & frts., BVS 32256; frts., BDS 42138.
- E. riparia** (Willd.) Nees
Common, fls. & frts., BVS 32215.
- E. unioloides** (Retz.) Nees ex Steud.
Common, fls. & frts., BVS 32232.
- Eulalia phaeothrix** (Hack.) O. Ktze.
Common, fls. & frts., BVS 33039.
- E. trispicata** (Schult.) Henr.
E. tristachya O. Kze.
Common, fls., SK 40155.
- Garnotia stricta** Brongn.
Common, fls. & frts., BVS 33020.
- Hackelochloa granularis** (L.) O. Ktze.
Common, fls. & frts., BVS 32964.
- Heteropogon contortus** (L.) P. Beauv. ex Roem. & Schult.
Common, fls. & frts., BVS 32908.
- Isachne dispar** Trin.
Common, fls. & frts., BVS 32906.
- Ischaemum timorense** Kunth
Common, fls. & frts., BVS 32946.
- Jansenella griffithiana** (C. Muell) Bor
Arundinella avenacea Munro
Common, fls. & frts., BVS 33022.
- Leptochloa uniflora** Hochst. ex A. Rich.
Common, fls. & frts., BVS 33026.
- Manisuris myuros** L.
Rare, fls. & frts., BVS 32912.
- Oplismenus compositus** (L.) P. Beauv.
Common, fls. & frts., BVS 32936.
- Panicum repens** L.
Common, fls. & frts., BVS 28006.
- P. trypheron** Schult.
Common, fls. & frts., BVS 32981.
- Paspalidium flavidum** (Retz.) A. Camus
Common, fls. & frts., BVS 28002.
- Paspalum commersonii** Lamk.
Common, fls. & frts., BDS 42139.
- Perotis indica** (L.) O. Ktze.
Common, fls. & frts., BVS 32905.
- Rhynchelytrum villosum** (Parl.) Chiov.
Common, fls. & frts., BVS 28004.
- Rottboellia exaltata** L. f.
Common, fls. & frts., BVS 32967.
- Saccharum spontaneum** L.
Common, fls. & frts., BVS 32901.
- Sacciolepis indica** (L.) A. Chase
Common, fls. & frts., BVS 32915.
- Setaria palmifolia** (Koen.) Stapf
Common, fls. & frts., BVS 28027; BVS 32948.
- Sporobolus diander** (Retz.) P. Beauv.
Common, fls. & frts., BVS 28003.
- S. piliferus** (Trin.) Kunth
Common, fls. & frts., BVS 33032.
- Themeda cymbaria** Hack.
Common, fls. & frts., BVS 32344; SK 40139.
- T. tremula** (Nees ex Steud.) Hack.
Common, fls. & frts., BVS 33048.
- Trachys muricata** (L.) Pers. ex Trin.
Common, fls. & frts., BVS 32910.
- Tripogon bromoides** Roem. & Schult.
Rare, fls. & frts., BVS 32933.
- Zenkeria elegans** Trin.
Common, fls. & frts., BDS 42110.

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REFERENCES

- ANONYMUS. *Gazetteer of the Tinnevely District*. Madras, 1915 & 1917.
- BEDDOME, R. H. The Forest and Flora of the Tinnevely District. *Indian For.* 3 : 19-25. 1877.
- COPELAND, E. B. *Genera Filicum*. Waltham, Mass (U.S.A.), 1947.
- HOOKE, J. D. *et al.* *The Flora of British India*. Vols. 1-7. London, 1872-97.
- HUTCHINSON, J. *The Families of Flowering Plants*. Vol. I & II. (Rep. ed.). Oxford, 1960.
- RAHAMATULLAH, S. A. *Working Plan for Tirunelveli South Forest Division* 1959-60. 1968-69. Government of Madras, 1962.
- RAJASEKHARA MUDALIAR, C. AND D. DANIEL SUNDARAJ. Flora of Tirunelveli District. *The Madras State Herbarium Centenary Souvenir*. Madras, 1954.
- RAMASWAMY, M. S. A botanical tour in the Tinnevely Hills. *Rec. bot. Surv. India* 6(5) : 1-171. 1914.
- RANGA ACHARYA, K. Note on the Flora of the Tinnevely District. *Madras Agricultural Department Year Book* 95-109. 1919.
- SHANKARANARAYAN, K. A. The Vegetation of Tirunelveli District. *J. Indian bot. Soc.* 29 : 474-479. 1960.