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A CONTRIBUTION TO THE FLORA OF BARATANG ISLAND, SOUTH ANDAMAN

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ABSTRACT

A floristic analysis of Baratang Island based on the recent collections made during 1975-79 is presented with an introduction to vegetation. Important vegetation types commonly met with in this island are the Mangrove forests, Littoral forests, Deciduous forests and Evergreen forests. An enumeration of 195 species is given with field data.

INTRODUCTION

The Andaman Islands are situated in the Bay of Bengal between 13° 41′ and 10° 30′ N latitudes and 92° 11′ and 93° 7′ E longitudes. Baratang Island lies more or less between South and Middle Andamans towards the east in the chain of Andaman Archipelago with an area of about 298 sq. km. The coastline of the island is more or less irregular. The hills are low and do not rise high. There are no rivers but some perennial streams are noticed. Tidal creeks penetrate the islands often far inland and shelter large areas of mangroves.

The Island has been visited for botanical collections by several British collectors before 1947. Many of these collections are available in CAL herbarium and these species have been included in the work of Parkinson (1923). O. P. Bhargava (1958) has studied the tropical evergreen virgin forests of Andaman Islands including Baratang Island.

Thothathri (1962 & 1975) made surveys and studied the vegetation and floristic elements of Baratang Island. Recently N. Bhargava and P. Basu made several collections in this island. Their specimens deposited in PBL herbarium form the basis for the present enumeration. Since the present knowledge on the flora of this island is still poor it is found desirable to present an account of the vegetation and enumeration of all species on the basis of available recent collections from this island not reported in earlier published works, with brief ecological notes.

Geologically this island is characterised principally by noncalcareous, grey, sandstone and embedded shales, with occasional nests of poor coal, conglomerates and pale grey lime stones. There is coral formation along the coast of the island. The soil is usually soft and deep sandy loam, varying from fine texture of the alluvial flats to the gravel-strewn soil of the low hills. At several places there are 'mud volcanoes' in this island (Srivastava & Singh 1962).

The island enjoys a warm tropical humid climate throughout the year. The temperature varies from 21° - 30° C. The island is subjected to both the south-west and north-east monsoons from April to December with particularly heavy rains in May-July. The climate is usually dry and hot during the months of January to April.

The vegetation of Baratang Island can broadly be classified into (1) Mangrove forests, (2) Littoral forests, (3) Deciduous forests and (4) Evergreen forests.

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The floristic elements that constitute the different types of vegetation are briefly described below.

(1) *Mangrove forests*: The mangroves develop well in areas which are inundated by saline water during high tides. This is largely composed of only a few species and the most important and dominant among them are *Rhizophora apiculata, Rhizophora mucronata, Bruguiera parviflora* and *Kandelia candel.* They are found in creeks and sheltered bays. *Rhizophora* species are typical of the mangrove swamps and are usually recognised by its arching aerial roots. In Oral Katcha considerable patches of beach forests have got established with the gradual destruction of mangrove plants due to biotic factors. Large scale cutting of mangrove trees for fuel has been noticed at several places.

(2) *Littoral forests*: The littoral forests lie behind the mangrove forests and stretch for some distance into the interior. During high tides the forest floor may sometimes get inundated with sea water. Sandy beaches are very poorly developed here and they occupy only strips of coastal flats. The most common tree species are *Heritiera littoralis, Mimusops littoralis, Pongamia pinnata, Terminalia* species and *Cerbera odollam.* The trees harbour a number of epiphytic ferns and orchids. *Drynaria quercifolia, Aerides emericii, Dendrobium anceps, Pholidota imbricata* and *Thrixspermum hystrix* are the principal species found growing on branches of tree trunks. *Hoya parasitica* and *Pothos scandens* are found spreading on tree trunks. Palms like *Phoenix paludosa* are common here.

(3) *Deciduous forests* : These forests occur on low undulating ground where the soil is less moist, mostly shallow and rocky. The most remarkable species are *Pterocarpus dalbergioides, Chukrasia tabularis, Terminalia manii, Bridelia griffithii, Rinorea bengalensis,* etc. The herbaceous vegetation is represented by a few grasses, ferns and herbs like *Ageratum, Scoparia,* etc.

(4) *Evergreen forests*: The chief factors responsible for the luxuriant growth of evergreen forests are tropical climate with heavy rainfall and rich virgin soil. It is characterised by a variety of trees, shrubs and climbers like *Dipterocarpus griffithii, Planchonia andamanica, Knema andamanica, Ixora grandiflora, Grewia disperma, Jasminum caudatum, Sideroxylon ferrugineum* and *Illigera appendiculata* which are the most dominant species of this forest. The herbaceous undergrowth in the forest floor is poorly developed. *Dipterocarpus griffithii, Planchonia andamanica, Pterocarpus dalbergioides,* etc. are the most important timber yielding plants which grow in these forests.

About 195 species of plants belonging to 163 genera and 75 families are enumerated below. The plants have been studied carefully and identified with the help of authentic specimens housed in the Central National Herbarium, Calcutta. The species under each family are arranged in alphabetical order.

ENUMERATION

LYCOPODIACEAE

Lycopodium phlegmaria L.

South creek, epiphytic on decomposed trees in evergreen forests, 30.10.1979, *P. Basu* 7603. Rare.

LYGODIACEAE

Lygodium circinnatum (Burm. f.) Sw.

Oralkatcha, mangrove forest, 18.7.1977, *Bhargava* 5938. Common.

L. flexuosum (L.) Sw.

Baludera mangrove forest, 16.7.1977, *Bhargava* 5925. Common.

PTERIDACEAE

Pteris biaurita L.

Baludera, on the way to shore, sori present, 27.1.1978, *P. Basu* 6836. Common.

Pteris mertensioides Willd.

Oralkatcha, sori brown marginal, 18.7.1977, *Bhargava* 5949.

ACROSTICHIACEAE

Acrostichum aureum L.

Baludera, in mangrove swamps, sori brown, 27.1.1978, *P. Basu* 6834; Jarawa creek, mangrove forest, 16.7.1977, *Bhargava* 5907. Plenty.

ADIANTACEAE

Adiantum philippense L.

Near Nilambur, forest edge, sori marginal, 22.7.1975, *Bhargava* 2481. Common.

Pityrogramma calomelanos (L.) Link

South creek, forest edge, underside of fronds silvery, 19.7.1975, *Bhargava* 2454. Common.

VITTARIACEAE

Vittaria elongata Sw.

Oralkatcha, mangrove forest, epiphytic, 18.7.1977, *Bhargava* 5935. Common.

NEPHROLEPIDACEAE

Nephrolepis hirsutula (Forst.) Presl

Baludera, mangrove forest, 16.7.1977, *Bhargava* 5924. Common.

HYMENOPHYLLACEAE

Cephalomanes javanica (Bl.) V. d. Bosch. (*Trichomanes javanicum* Bl.)

Shankarnallah, inland forests, 21.7.1975, *Bhargava* 2472. Rare.

ASPLENIACEAE

Asplenium nidus L

Oralkatcha road to Jarawa creek, epiphytic, 2.2.1978, *P. Basu* 6891. Rare; Sastrinallah, 19.1.1979, *P. Basu* 7302.

POLYPODIACEAE

Drynaria quercifolia (L.) J. Sm.

South creek, inland forests, 19.7.1975, *Bhargava* 2443. Common.

Pyrrosia adnascens (Sw.) Ching

Kenchi road, inland forests, 15.7.1977, *Bhargava* 5896. Common.

CYCADACEAE

Cycas rumphii Miq.

Baludera, beach forest, 16.7.1977, *Bhargava* 5916. Common.

GNETACEAE

Gnetum scandens Roxb.

South creek, forest edges, 19.7.1975, *Bhargava* 2455. Rare.

DILLENIACEAE

Dillenia scabrella Roxb.

Bishnunallah, south creek, in fruits, 28.1.1978, *P. Basu* 6847. Rare.

ANNONACEAE

Anaxagorea javanica Bl.

Oralkatcha, on loose moist sandy soil, in flowers, 22.1.1979, *P. Basu* 7331. Scattered.

A. luzoniensis A. Gray

Jharnanalli Tikri, evergreen forests, in flowers, 27.10.1979, *P. Basu* 7368; Shankarnallah 21.7.1975, *Bhargava* 2466. Common.

Cyathostemma viridifolium Griff.

Oralkatcha, on loose moist sandy soil, in flowers, 22.1.1979, *P. Basu* 7330. Frequent.

Desmos dasymaschalus (Bl.) Safford. (*Unona dasymaschala* Bl.)

Shankarnallah, mixed deciduous forests, in flowers & fruits, 21.7.1975, *Bhargava* 2463. Common.

Goniothalamus macranthus (Kurz) Boerl.

South creek, inland forests, in fruits, 30.10.1979, *P. Basu* 7602; Near Nilambur, 22. 7. 1975, *Bhargava* 2476. Scattered.

Miliusa tectona Hutchinson

Sundergarh, in flowers, 30.1.1978, *P. Basu* 6864; Oralkatcha road to Jarawa creek, 2.2.1978, *P. Basu* 6897. Frequent.

Orophaea hexandra Bl.

Sundergarh, south creek, sandy soil, in flowers, 30.1.1978, *P. Basu* 6865; Baludera, 27.1.1978, *P. Basu* 6821. Frequent.

Phaeanthus andamanicus King

Jharnanalli Tikri, on loose sandy soil, in fruits, 27.10.1979, *P. Basu* 7375. Common.

Polyalthia jenkinsii (Hk. f. & Th.) Hk. f. & Th.

South creek, semi-evergreen forests, in flowers & fruits, 28.1.1978, *P. Basu* 6844. Scattered.

VIOLACEAE

Rinorea bengalensis (Wall.) O. Ktze. (*Alsodeia bengalensis* Wall.)

South creek forest, near streams on moist ground, in fruits, 28.10.1979, *P. Basu* 7385. Common.

FLACOURTIACEAE

Casearia andamanica King

South creek, inland evergreen forest, in fruits, 30.10.1979, *P. Basu* 7609. Rare.

Hydnocarpus castanea Hk. f.

Oralkatcha, in fruits, 29.1.1978, *P. Basu* 6862. Not common.

Ryparosa javanica (Bl.) Koord. & Val.

Opposite to jetty, near streams, 22.1.1979, *P. Basu* 7332. Frequent.

CLUSIACEAE

Garcinia xanthochymus Hk. f.

Jharnanalli Tikri, in evergreen forests, in fruits, 27.10.1979, *P. Basu* 7373.

DIPTEROCARPACEAE

Dipterocarpus griffithii Miq.

Jharnanalli Tikri, south creek, in evergreen forests on moist soil, in fruits, 26.1.1979, *P. Basu* 7364 & 7369. Scattered.

MALVACEAE

Hibiscus tiliaceus L.

Baludera, beach forests, in fruits, 16.7.1977, *Bhargava* 5917. Common.

STERCULIACEAE

Buettneria aspera Colebr.

South creek, near streams, climber in fruits, 31.1.1978, *P. Basu* 6875; Oralkatcha, 28.10.1979, *P. Basu* 7377. Rare.

Heritiera littoralis Dryander

Oralkatcha, tidal forests, in fruits, 22.1.1979, *P. Basu* 7333. Frequent.

TILIACEAE

Grewia calophylla Kurz

Oralkatcha, on loose moist sandy soil, in fruits, 22.1.1979, *P. Basu* 7336.

G. disperma Rottb.

Sastrinallah, near streams, in flowers, 29.10.1979, *P. Basu* 7397. Scattered.

RUTACEAE

Glycosmis arborea (Roxb.) DC.

Baludera, on the fringes of mangrove vegetation, in fruits, 27.1.1978, *P. Basu* 6824. Scattered.

G. pentaphylla Correa

Nayabijan, semi-deciduous inland forests, in fruits, 20.1.1979, *P. Basu* 7307. Frequent.

Murraya paniculata (L.) Jack.

Jarawa creek, on moist soil, in flowers, 25.1.1978, *P. Basu* 6815. Frequent.

MELIACEAE

Aglaia andamanica Hiern.

South creek, inland evergreen forests, in flower buds, 30.10.1979, *P. Basu* 7604. Rare.

Chukrasia tabularis Andr.

Baludera, on moist sandy soil, in flowers, 27.1.1978, *P. Basu* 6819. Scarce.

Dysoxylum binectariferum Hk. f.

Baludera, behind mangrove vegetation, in flowers, 27.1.1978, *P. Basu* 6825. Scattered.

Walsura candollei King

Bambunallah, behind the mangrove fringe, in fruits, 28.10.1979, *P. Basu* 7381. Scarce.

DICHAPETALACEAE

Dichapetalum andamanica King

South creek, evergreen forests, in fruits, 30.10.1979, *P. Basu* 7607. Scarce.

RHAMNACEAE

Gouania leptostachya Lamk.

Bishnunallah, south creek, near streamsides, in fruits, 28.1.1979, *P. Basu* 6839; 31.1.1978, *P. Basu* 7601. Frequent.

Zizyphus oenoplia Mill.

Near Gandhi jetty, inland forests, in fruits, 29.10.1979, *P. Basu* 7396. Frequent.

VITACEAE

Cayratia japonica (Thunb.) Gagnep.

South creek, roadside, in fruits, 28.10.1979, *P. Basu* 7387.

Tetrastigma andamanicum (King) Suesseng.

Oralkatcha, in flowers, 22.1.1979, *P. Basu* 7327. Scattered.

T. lanceolarium (Roxb.) Planch.

Bishnunallah, south creek, on the banks of streams, in flowers, 28.1.1978, *P. Basu* 6840. Rare.

Vitis barbata Wall.

Sundergarh, inland forests, in fruits, 23.7.1975, *Bhargava* 2487. Rare.

LEEACEAE

Leea quineensis G. Don

Sundergarh, evergreen forest, in fruits, 23.7.1975, *Bhargava* 2496; Kenchi road, 14.7.1977, *Bhargava* 5891. Common.

L. indica (Burm. f.) Merr.

South creek, forest edges, in flowers, 19.7.1975, *Bhargava* 2457. Common; Kenchi road, inland forest, in fruits, 14.7.1977, *Bhargava* 5892.

L. latifolia Wall.

Oralkatcha, on loose moist sandy soil, in flowers, 22.1.1979. *P. Basu* 7337.

SAPINDACEAE

Lepisanthes rubiginosa (Roxb.) Leenh. (*Erioglossum rubiginosum* Bl.)

Oralkatcha, sandy soil, in flowers, 22.1.1979, *P. Basu* 7313. Frequent.

ANACARDIACEAE

Mangifera camptosperma Pierre

Oralkatcha, in flower buds, 2.2.1978, *P. Basu* 6898. Frequent.

Semecarpus kurzii Engler

Nilambur, inland forests, in flowers, 23.7.1975, *Bhargava* 2500. Rare.

S. prainii King

Kanchangarh forest, stream sides, in fruits, 1.2.1978, *P. Basu* 6888 & 6889; South creek forest, 28.10.1979, *P. Basu* 7384. Frequent.

MORINGACEAE

Moringa pterygosperma Gaertn.

Nilambur, cultivated, in flowers, 23.7.1975, *Bhargava* 2802.

FABACEAE

Abrus precatorius L.

Baludera, beach forests, in fruits, 16.7.1977, *Bhargava* 5927. Common.

Atylosia volubilis (Blanco) Gamble

Kenchi road, inland forests, in flowers & fruits, 20.1.1979, *P. Basu* 7303.

Derris thyrsiflora Benth. var. **wallichii** (Prain) Thoth.

South creek, near streams, in fruits, 31.1.1978, *P. Basu* 6874. Sparse.

Dioclea reflexa Hk. f.

Oralkatcha, evergreen forests, in flowers, 22.1.1979, *P. Basu* 7325.

Flemingia strobilifera Ait.

South creek, near streams, in flowers, 31.1.1978, *P. Basu* 6873.

Mucuna gigantea DC.

Baludera, behind mangrove vegetation, in flowers, 27.1.1978, *P. Basu* 6823. Scattered.

M. monosperma DC.

Bishnunallah, south creek, along streamsides, in fruits, 28.1.1978, *P. Basu* 6841. Rare.

Pongamia pinnata (L.) Pierre

Baludera, near seashore, in flowers, 27.1.1978, *P. Basu* 6827. Frequent; Oralkatcha, 22.1.1979, *P. Basu* 7320.

Pterocarpus dalbergioides Roxb.

South creek, in deciduous forests, in fruits, 29.10.1979, *P. Basu* 7610. Frequent.

Smithia sensitiva Ait.

Jarawa creek, cleared patches, in flowers, 25.1.1978, *P. Basu* 6807. Common.

Strongylodon ruber Vogel.

Jarawa creek, inland forests, in flowers, 19.1.1979, *P. Basu* 7310.

CAESALPINIACEAE

Bauhinia variegata L.

Kanchangarh, on cultivated land, in flowers, 28.10.1979, *P. Basu* 7382. Scarce.

Delonix regia L.

Nilambur, roadsides, in fruits, 23.7.1975, *Bhargava* 2803. Cultivated.

Mezoneurum andamanicum Prain

Kenchi road, inland forests, in fruits, 20.1.1979, *P. Basu* 7303.

MIMOSACEAE

Acacia pinnata Willd.

Gandhi jetty, close to mangrove vegetation, in fruits, 29.10.1979, *P. Basu* 7392. Scattered.

Entada scandens Benth.

Sastrinallah, in fruits, 29.10.1979, *P. Basu* 7399. Scattered.

RHIZOPHORACEAE

Bruguiera parviflora W. & A.

Bambunallah village, mangrove swamps, in fruits, 29.1.1978, *P. Basu* 6854.

Kandelia candel Druce (*Rhizophora candel* L., *Kandelia rheedii* W. & A.)

Opposite to jetty, in fruits, 22.1.1979, *P. Basu* 7340.

Rhizophora apiculata Bl.

Gandhi jetty, mangrove swamps, in fruits, 29.10.1979, *P. Basu* 7390. Scarce.

R. mucronata Lamk.

Oralkatcha, mangrove swamps, in flowers, 22.1.1979, *P. Basu* 7339. Common.

COMBRETACEAE

Calycopteris floribunda Lamk.

Bishnunallah, south creek, in fruits, 28.1.1978, *P. Basu* 6839. Frequent.

Combretum latifolium Bl.

Baludera, near mangrove vegetation, in flowers, 27.1.1978, *P. Basu* 6822.

C. ovalifolium Roxb.

Bishnunallah, south creek, near streams, in fruits, 28.1.1978, *P. Basu* 6840. Frequent.

Lumnitzera littorea (Jack) Voigt

Oralkatcha, mangrove swamps, in flowers, 29.1.1978, *P. Basu* 6803. Scattered.

L. racemosa Willd.

Oralkatcha, mangrove community, 22.1.1979, *P. Basu* 7316. Common.

Terminalia manii King

South creek, semi-evergreen forests, in fruits, 30.10.1979, *P. Basu* 7613.

MYRTACEAE

Eugenia javanica Lamk.

Jarawa creek, in flower buds, 28.1.1978, *P. Basu* 6820. Frequent.

Syzygium claviflorum (Roxb.) Willd.

Oralkatcha, in flowers, 20.1.1979, *P. Basu* 7311.

BARRINGTONIACEAE

Planchonia andamanica King

Kanchangarh forest, on moist soil, in flowers, 1.2.1978, *P. Basu* 6887.

LYTHRACEAE

Lagerstroemia hypoleuca Kurz

Nilambur, mixed deciduous forests, in flowers, 20.7.1975, *Bhargava* 2462. Common; Sastrinallah, 29.10.1979, *P. Basu* 7400.

PASSIFLORACEAE

Modecca cardiophylla Mart.

Sundergarh, forest edge, 23.7.1975, *Bhargava* 2492. Common.

RUBIACEAE

Argostemma tavoyanum Wall.

Shankarnallah, on rocks, 21.7.1975, *Bhargava* 2469. Common.

Diplospora singularis Korth.

South creek, semi-evergreen forests, in fruits, 30.10.1979, *P. Basu* 7611. Scattered.

Ixora coccinea L

Nilumbur, hedge plant, 23.7.1975, *Bhargava* 2499. Common.

I. grandiflora Zoll. & Morr.

Sundergarh, evergreen forests, 23.7.1975, *Bhargava* 2495. Rare.

Lasianthus andamanicus Hk. f.

South creek forests, on moist soil, in flowers, 31.1.1978, *P. Basu* 6881. Frequent.

Mitragyna rotundifolia (Roxb.) O. Ktze.

Jarawa creek, on sandy soil, in fruits, 25.10.1979, *P. Basu* 7354. Fairly common.

Mussaenda macrophylla Wall.

Laruji wayside, south creek, evergreen forests, in fruits, 26.10.1979, *P. Basu* 7365.

Ophiorrhiza trichocarpa Bl.

Near Nilambur, roadsides, in flowers, 22.7.1975, *Bhargava* 2479. Scarce.

Paederia foetida L.
South creek, Laruji wayside, on moist soil, in fruits, 25.10.1979, *P. Basu* 7374.

Pavetta indica L.
South creek, on sandy soil, in fruits, 26.10.1979, *P. Basu* 7362. Frequent.

Randia longiflora Lamk.
South creek, inland forest, in fruits, 13.7.1977, *Bhargava* 5874. Common.

R. pulcherrima (Kurz) Balakr.
Jharnanallah Tikri, on moist soil, in fruits, 27.10.1979, *P. Basu* 7374. Frequent.

R. schoemanii (T. & B.) Bakh. f.
South creek, forest, on higher slopes, in flowers, 31.1.1978, *P. Basu* 6881. Frequent.

ASTERACEAE

Ageratum conyzoides L.
Sundergarh, roadside, 19.7.1975, *Bhargava* 2446. Common.

Spilanthes acmella Murr.
Sundergarh, roadside, 19.7.1975, *Bhargava* 2445. Common.

Wedelia biflora (L.) DC.
Sundergarh, roadside, 19.7.1975, *Bhargava* 2453. Common.

MYRSINACEAE

Maesa andamanica Kurz
Naya Bijan, P. W. D., forest edges, 20.1.1979, *P. Basu* 7306. Scattered.

SAPOTACEAE

Mimusops elengi Roxb.
Oralkatcha, on loose sandy soil, in fruits, 22.1.1979, *P. Basu* 7317. Scattered.

M. littoralis Kurz
South creek, inland, in fruits, 30.10.1979, *P. Basu* 7605. Not common.

Sideroxylon ferrugineum Hook. & Arn.
South creek, evergreen forest, in fruits, 26.10.1979, *P. Basu* 7366. Scattered.

EBENACEAE

Diospyros kurzii Hiern.
Laruji forest, south creek, evergreen forest, 26.10.1979, *P. Basu* 7366. Very frequent.

D. oocarpa Thw.
Jarawa creek, in flowers, 25.1.1978, *P. Basu* 6808. Scattered.

D. pyrrhocarpa Miq.
Kenchi road, inland forest, in fruits, 20.1.1979, *P. Basu* 7304.

D. undulata Wall. ex DC.
Laruji wayside, south creek, 25.10.1979, *P. Basu* 7360; Jarawa creek, *P. Basu* 7356.

Maba andamanica Kurz
Shankarnallah, inland forest, in flowers, 21.7.1975, *Bhargava* 2465. Scarce.

OLEACEAE

Jasminum caudatum Wall.
Oralkatcha forest, 2.2.1978, *P. Basu* 6893; Baludera, in flowers, 27.1.1978, *P. Basu* 6829. Scattered.

Linociera terniflora Wall.
Bishnunallah, south creek, on the banks of streams, 28.1.1978, *P. Basu* 6843. Scattered.

APOCYNACEAE

Alstonia kurzii Hook. f.
Baludera, mangrove forest, in flowers, 16.7.1977, *Bhargava* 5922. Common.

Cerbera odollam Gaertn.
Bambunallah village, Oralkatcha, in flowers & fruits, 29.1.1978, *P. Basu* 6855. Common.

Parameria laevigata (Juss.) Moldenke
Oralkatcha road to Jarawa creek, in fruits, 22.1.1978, *P. Basu* 6890. Scattered.

Tabernaemontana crispa Roxb.
Sundergarh, evergreen forest, 23.7.1975, *Bhargava* 2493. Common.

ASCLEPIADACEAE

Hoya parasitica Wall.
Oralkatcha, near streams, in flowers, 22.1.1979, *P. Basu* 7334.

LOGANIACEAE

Fagraea racemosa Jack ex Wall.
Oralkatcha, in flowers, 22.1.1979, *P. Basu* 7322. Scattered.

Strychnos tubiflora A. W. Hill.
Gandhi jetty, inland forest, in fruits, 29.10.1979, *P. Basu* 7394. Frequent.

BORAGINACEAE

Heliotropium indicum L.

Sundergarh, cleared land, in flowers, 23.7.1975, *Bhargava* 2491. Common.

CONVOLVULACEAE

Argyreia championii Benth.

Oralkatcha, on loose moist sandy soil, in fruits, 22.1.1979, *P. Basu* 7338.

Erycibe paniculata Roxb.

Laruji wayside, south creek, on loose sandy soil, in flowers, 25.10.1979, *P. Basu* 7358.

Ipomoea pes-caprae (L.) Sweet.

Sastrinallah, in flowers, 29.10.1979, *P. Basu* 7398. Common.

Porana spectabilis Kurz

South creek, near the dry bed of a stream, in flowers, 28.1.1979, *P. Basu* 6842. Scattered.

SOLANACEAE

Solanum ferox L.

Sundergarh, on blackish soil, in fruits, 29.1.1978, *P. Basu* 6869. Scattered.

S. khasianum Clarke

Sundergarh, on blackish soil, in fruits, 30.1.1978, *P. Basu* 6866. Frequent.

S. myriacanthum Dun.

South creek, forest edges, in fruits, 19.7.1975, *Bhargava* 2456.

SCROPHULARIACEAE

Scoparia dulcis L.

Nilambur, forest edges, in flowers, 22.7.1975, *Bhargava* 2482. Common.

ACANTHACEAE

Strobilanthes glandulosus Kurz

Oralkatcha, in flowers, 22.1.1979, *P. Basu* 7329.

VERBENACEAE

Premna integrifolia L.

Sastrinallah, inland, in flowers, 29.10.1979. *P. Basu* 7400. Scattered.

Stachytarpheta indica (L.) Vahl

South creek, cleared forest, in flowers. 2.2.1978, *P. Basu* 6900. Frequent.

Tectona grandis L. f.

Near Nilambur, teak plantations, in flowers, 23.7.1975, *Bhargava* 2497. Common.

LAMIACEAE

Ocimum sanctum L.

Sundergarh, roadside, 19.7.1975, *Bhargava* 2450. Common.

O. tenuiflorum L.

On the way to Baludera, on sandy soil, 27.1.1978, *P. Basu* 6835. Common.

NYCTAGINACEAE

Pisonia umbellifera (J. R. & G. Forst.) Seem.

Bishnunallah, lowland, in fruits, 28.1.1978, *P. Basu* 6850. Sparse.

PIPERACEAE

Peperomia pellucida (L.) HBK.

Oralkatcha, mangrove forest, 18.7.1975, *Bhargava* 5940. Common.

MYRISTICACEAE

Knema andamanica (Warb.) de Wilde

South creek forest, inland forests, in flower buds, 28.10.1979, *P. Basu* 7389. Scattered.

K. andamanica ssp. **nicobarica** (Warb.) de Wilde

Jarawa creek, in evergreen forests, in flowers and fruits, 25.1.1978, *P. Basu* 6804; 27.10.1979, *P. Basu* 7370. Scattered.

LAURACEAE

Litsea kurzii King

Oralkatcha, in moist places, in flowers, 22.1.1979, *P. Basu* 7324. Scattered.

HERNANDIACEAE

Illigera appendiculata (Dalz.) Muell.-Arg.

Jarawa creek, inland forests, in fruits, 28. 1.1978, *P. Basu* 6851.

LORANTHACEAE

Viscum monococcum Roxb.

Near Nilambur, forest edge, in flowers and fruits, 22.7.1975, *Bhargava* 2473. Rare.

EUPHORBIACEAE

Actephila excelsa (Dalz.) Muell.-Arg.

Jarawa creek, on moist sandy soil, 25.10.1979, *P. Basu* 7348. Scattered.

Bridelia griffithii Bl.

Baludera, near seashore, in flowers & fruits, 27.1.1978, *P. Basu* 6830. Frequent.

B. stipularis (L.) Bl.

South creek, in fruits, 31.1.1978, *P. Basu* 6879. Scattered.

Bridelia tomentosa Bl.

Baludera, on moist soil, in flowers & fruits, 27.1.1978, *P. Basu* 6830. Frequent.

Cleidion javanicum Bl.

Jarawa creek, in semi-deciduous patches, in flowers, 25.1.1978, *P. Basu* 6805. Frequent.

C. nitidum Kurz

Jarawa creek, on moist sandy soil, in flower buds, 29.1.1979, *P. Basu* 7350. Scattered.

Cleistanthus myrianthus (Wall.) Kurz var. **attenuatus** Tabl.

Jarawa creek, along waysides in forests, in fruits, 25.1.1978, *P. Basu* 6801. Frequent.

Croton sublyratus Kurz

Near Bambunallah village, Oralkatcha, in flowers, 29.1.1978, *P. Basu* 6859. Frequent.

Euphorbia hirta L.

Sundergarh, roadsides, 23.7.1975, *Bhargava* 2489. Common.

Glochidion arborescens Bl.

Oralkatcha, in evergreen forests, in fruits, 22.1.1978, *P. Basu* 7321. Not common.

Homonoia riparia L.

South creek, Bishnunallah, on moist soil, 28.1.1978, *P. Basu* 6837. Scattered.

Mallotus andamanicus Hook.

Shankarnallah, inland forest, in fruits, 21.7.1975, *Bhargava* 2472. Rare.

Trigonostemon viridissimus (Kurz) Airy Shaw

On the way to Bishnunallah, lowland forests, in flowers, 28.1.1978, *P. Basu* 6849. Sparse.

MORACEAE

Ficus hispida L. f.

Near Bambunallah village, Oralkatcha, 29.1.1978, *P. Basu* 6860; Kanchi road, inland forest, 14.7.1977, *Bhargava* 5888. Common.

Plecospermum andamanicum King

Oralkatcha forest road, in flowers, 2.2.1978, *P. Basu* 6899. Scattered.

Streblus taxoides (Roth) Corner

South creek, near streams, in fruits, 28.10.1979, *P. Basu* 7863. Scattered.

ORCHIDACEAE

Aerides emericii Reichb. f.

On the way to Jarawa creek, epiphytic, in fruits, 20.1.1979, *P. Basu* 7309.

A. odorata Lour.

Nilambur, teak plantation, 15.7.1977, *Bhargava* 5905. Scarce.

Cymbidium simulans Rolfe

Baludera, mangrove forest, epiphytic, 16.7.1977, *Bhargava* 5931, Common.

Dendrobium anceps Sw.

Oralkatcha, epipytic, in flowers, 1.2.1978, *P. Basu* 6803.

Papilionanthe teres (Roxb.) Schlech.

Bambunallah village, Oralkatcha, epiphytic, in flowers, 29.1.1978, *P. Basu* 6852; Nilambur, teak plantations, in flower, 23.7.1975, *Bhargava* 2801. Common.

Pholidota imbricata (Roxb.) Lindl.

Baludera, mangrove forest, epiphytic on Heritiera, 16.7.1977. *Bhargava* 5921.

Pomatocalpa wendlandorum (Reichb. f.) J. J. Sm.

Oralkatcha road to Jarawa creek, in flowers, 2.2.1978, *P. Basu* 6892.

Taeniophyllum andamanicum Balakr. & Bhar.

Nilambur, teak plantation, epiphytic, in flowers, 17.7.1977, *Bhargava* 5932. Rare.

Thrixspermum hystrix Reichb. f.

Nilambar, teak plantation, epiphytic on *Tectona grandis,* in flowers, 23.7.1975, *Bhargava* 2488/1. Rare.

MARANTACEAE

Donax cannaeformis (G. Forst.) K. Schum (*Clinogyne grandis* Benth.)

Shankarnallah, evergreen forest in fruits, 21.7.1975, *Bhargava* 2470. Common.

AMARYLLIDACEAE

Curculigo latifolia Prain

Sundergarh, inland forest, in flowers, 22.7.1975, *Bhargava* 2485. Common.

HYPOXIDACEAE

Molineria latifolia (Dryand) Kurz

Sundergarh, inland forest, in flowers, 22.7.1975, *Bhargava* s. n. Common.

DIOSCOREACEAE

Dioscorea glabra Roxb.

Jarawa creek, on moist soil, in flowers, 25.10.1979, *P. Basu* 7352. Not common.

D. pentaphylla L.

Laruji wayside, south creek, on loose sandy soil, in fruits, 26.10.1979, *P. Basu* 7651. Frequent.

LILIACEAE

Dracaena angustifolia Roxb.

On the way to Bishnunallah, on higher elevations, in fruits, 28.1.1978, *P. Basu* 6848. Rare.

D. pachyphylla Kurz

Near Nilambur, inland forest, in fruits, 22.7.1975, *Bhargava* 2480. Rare.

SMILACACEAE

Smilax aspericaulis Bl.

Oralkatcha, in fruits, 22.1.1979, *P. Basu* 7355. Common.

S. odoratissima Bl.

Bishnunallah, south creek, on moist soil, in flowers, 28.1.1978, *P. Basu* 6845. Scattered; opposite to jetty, 22.1.1979, *P. Basu* 7335.

PONTEDERIACEAE

Monochoria vaginalis Presl

Nilambur, roadside ponds, in flowers, 20.7.1975, *Bhargava* 2460. Common.

COMMELINACEAE

Commelina diffusa Burm. f.

Nilambur, roadside, in flowers, 20.7.1975, *Bhargava* 2461. Common.

Murdannia nudiflora (L.) Brenan.

Near Nilambur, forest edges, in flowers, 22.7.1975, *Bhargava* 2474. Common.

Pollia thyrsiflora (Bl.) Steud.

Near Nilambur, inland forest, in fruits, 22.7.1975, *Bhargava* 2480. Scarce.

FLAGELLARIACEAE

Flagellaria indica L.

Jarawa creek, mangrove forest, in fruits, 16.7.1977, *Bhargava* 5911; common, near Bambunallah village, mangrove swamps, in flowers, 29.1.1978, *P. Basu* 6858.

ARECACEAE

Areca triandra Roxb.

Oralkatcha, sandy soil, in flowers, 22.1.1979, *P. Basu* 7328.

Calamus andamanicus Kurz

Jarawa creek, along the wayside jungle, in fruits, 25.1.1978, *P. Basu* 6802. Common.

Licuala peltata Roxb.

Jarawa creek, 25.10.1979, *P. Basu* 7353; Baludera, 27.1.1978, *P. Basu* 6828; Bambunallah, 28.10.1979, *P. Basu* 7376. In flowers and fruits, on the coastal line behind the mangrove fringe.

Phoenix paludosa Roxb.

Baludera, in flowers, 25.1.1978. *P. Basu*, 6817. Common.

ARACEAE

Pothos scandens L.

Oralkatcha, beach forest, 22.1.1979, *P. Basu* 7319.

CYPERACEAE

Cyperus diffusus Vahl

Sundergarh, on loose sandy soil, 30.1.1978, *P. Basu* 6863. Common.

C. iria L.

Sundergarh, paddy field, 23.7.1975, *Bhargava* 2490. Common.

C. javanicus Houtt.

Jarawa creek, mangrove forest, 16.7.1977, *Bhargava* 5908. Plenty.

C. kyllingia Endl.

Sundergarh, roadsides, 22.7.1975. *Bhargava* 2486. Common.

C. tenuispica Steud.

Kenchi road, roadside, 14.7.1977, *Bhargava* 5889. Common.

Fimbristylis ferruginea (L.) Vahl

Jarawa creek, on moist soil, 25.1.1978, *P. Basu* 6803. Common.

F. miliacea (L.) Vahl

Kenchi road, roadside, 14.7.1977, *Bhargava* 5884. Common.

POACEAE

Chrysopogon aciculatus (Retz.) Trin. (*Andropogon aciculatus* Retz.)

Nilambur, cleared land, in fruits, 23.7.1975(*Bhargava* 2498. Common.

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