

Recent Botanical Collections from the Nature Reserves of Singapore

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Abstract

A botanical survey of the Nature Reserves in Singapore conducted in 1992-93 resulted in the gathering of more than 2,600 vascular plant specimens. More than 600 species were represented, including two species not previously recorded from Singapore. The results of the survey are discussed in the paper.

Introduction

A botanical survey of the Singapore Nature Reserves was conducted in order to obtain a better understanding of their current flora. Emphasis was placed on the Central Catchment Area rather than Bukit Timah Nature Reserve as the former has been much less well investigated than the latter.

Methods

The survey used the technique of collecting fertile plant material to make voucher herbarium specimens which could be accurately identified and then used as a permanent record of the contemporary flora of the Nature Reserves. Teams of collectors visited all parts of the Central Catchment Area in the three month period of April-June 1992. More collections were made in the same months of the following year. Further sporadic collecting trips were made by the authors. When in the field, the teams endeavoured to collect specimens from all species of plants they found flowering, fruiting or sporulating. The teams used extension cutters which aid in the collection of material from heights of up to 5m. Clearly this meant that it was rarely possible to obtain fertile material from tall trees.

The specimens gathered were usually pressed in the late afternoon of the day of collection, or on the morning of the next day. Unpressed specimens were stored at 4 °C if they were kept overnight. The specimens were dried at 60 °C in a drying oven and then poisoned with 2.5 % (w/v) mercuric chloride in 95 % ethanol, redried and then mounted on acid-free paper. A few specimens were preserved in 70 % ethanol. The specimens were numbered in one Nature Reserves Survey (NRS) sequence (with the exception of a minority of collections recorded under personal series) and identified largely by matching to named specimens in the herbarium of the Singapore Botanic Gardens. Sets of specimens have been deposited in the herbarium of the Department of Botany, National University of Singapore (SINU) and the herbarium of the Singapore Botanic Gardens (SING).

A numbered grid square system was devised (Fig. 1) to localise the collections. Information on the NRS specimens has been entered into a computerized database.

Results

The NRS series reached 2613 over the collecting period, with a large number of duplicates gathered. Over 600 species (see Appendix 1) have been identified from the collections. Most of these species are small trees and shrubs, climbers, herbs and some aquatics reflecting our inability to make good collections from tall trees. Plants typical of secondary forest, which covers much of the Central Catchment Area, were found e.g. *Macaranga* spp., *Trema* spp., *Adinandra dumosa* and *Rhodumnia cinerea*, and a fair number of introduced and escaped plants e.g. *Hydrocera triflora*, *Ochna kirkii*, *Canna indica*, *Dioscorea sansibarensis*, *Wikstroemia ridleii*, *Heliconia psittacorum* and *Cardiospermum halicacabum*. However, many native species more clearly associated with primary forest were also collected. These included trees and shrubs such as *Dracaena* spp., *Camptosperma squamatum*, *Canarium patentinervium*, *Lindera lucida*, *Litsea* spp., *Sterculia* spp., *Horsfieldia polyspherula*, *Gymnacranthera forbesii*, *Matthaea sancta*, and a number of species in the Rubiaceae and Euphorbiaceae. Climbers e.g. *Uvaria cordata*, *Pyramidanthe prismatica*, *Salacia grandiflora*, *Gnetum* spp., *Dissochaeta* spp., *Stephania capitata*, a number of members of the Vitaceae and many rattan species; and herbs such as *Amischotolype gracilis*, *Aglaonema* spp., *Mapania* spp., *Globba leucantha*, *Hanguana malayana*, *Peliosanthes teta*, *Stachyphrynium griffithii*, *Labisia pumila* and *Ophiorrhiza singaporensis* are all good indicators of primary forest status wherever they are found.

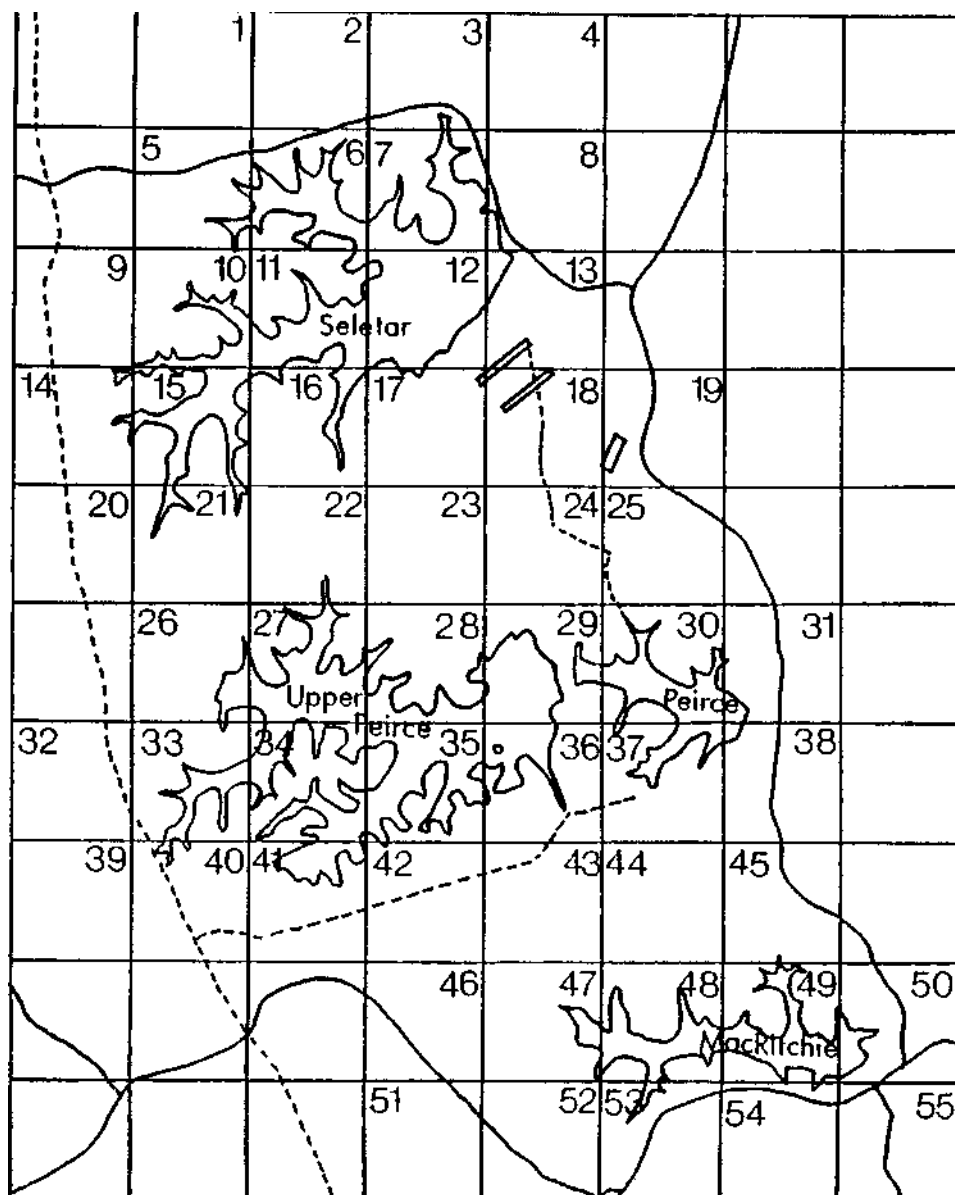


Fig. 1. Map showing the grid system used to localise specimens collected during the botanical survey of the Nature Reserves. Based on 1:50 000 topographical map produced by the Singapore Mapping Unit of the Ministry of Defence (1983).

Discussion

Without doubt the area that provided the most interesting specimens was the primary swamp forest around the SAF Firing Range at Nee Soon. It was the only site where several of the orchid species, such as *Bulbophyllum macranthum*, *Plocoglottis javanica*, and *Nephelaphyllum pulchrum* were collected. Other interesting species probably restricted to this, the last patch of swamp forest in Singapore, include *Kopsia singapurensis* and *Luvunga crassifolia*. The forest around the range still maintains a primary nature and contains some very large trees, though an alarming number are dead possibly reflecting a change in the drainage regime. Only Bukit Timah Nature Reserve can boast a vegetation as botanically exciting. It certainly merits the highest conservation status.

Elsewhere in the Central Catchment Area there are other patches of forest that approach the primary lowland forest type, most notably around MacRitchie Reservoir. Though most of the rest of the Catchment Area is covered with secondary forest, or even so degraded as to be reduced to lallang or resam stands, interesting plants can still be found. These areas are also of value in that they may represent future areas of colonisation for species currently restricted to tiny, fragmented primary areas. An expansion of range that is much to be encouraged as it will help ensure the future survival of those species in Singapore.

A number of the species collected were of particular interest. *Bulbophyllum gusdorfii* and *lodes cirrhosa* are new records for Singapore (Turner, Tan & Chua, 1994). *Daphniphyllum lauinum* was found to occur when it had been reported as probably extinct in Singapore (Keng, 1990).

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Michelle Yap and Jean Yong, Haji Samsuri Haji Ahmad, Dr D. J. Middleton and Dr T.C. Whitmore are acknowledged for their help with determination of specimens.

References

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Turner, I.M., Tan. H.T.W., & Chua, K.S. (in press). Additions to the flora of Singapore. II. Gardens' Bulletin, Singapore.

Appendix

List of collections made during the survey with their grid locality (CCA number). Specimens collected in Bukit Timah Nature Reserve are indicated as such by the appearance of the code BTNR.

LYCOPODOPHYTA

Lycopodiaceae

Huperzia phlegmaia (L.) Rothm. - NRS0544 CCA 47; NRS1457 CCA 47

Selaginellaceae

Selaginella argentea (Wall.) Spr. - NRS1972 CCA 18

Selaginella atroviridis (Wall.) Spr. - NRS1782 CCA 48; NRS2299 CCA 7; NRS2477 CCA 7; NRS2540 CCA 44; NRS2607 CCA 6

Selaginella intermedia (Blume) Spring - NRS1285 CCA 43

Selaginella willdenowii (Desv.) Bak. - NRS0606 CCA 17

FILICINOPHYTA

Adiantaceae

Syngnagma alismifolia (C. Presl) J. Sm. - NRS0632 CCA 17; NRS1610 CCA 18; NRS1951 CCA 18; NRS1968 CCA 18

Taenitis blechnoides (Willd.) Sw. - NRS0348 CCA 30 and many others

Taenitis interrupta Hook. & Grew - NRS0247 CCA 17

Aspleniaceae

Asplenium Immense Aldcrw. - NRS1185 CCA 18; NRS151S CCA 13; NRS1621 CCA 18; NRS1924 CCA 25; NRS1944 CCA 18

Asplenium longissimum Blume - NRS0394 CCA 30; NRS0630 CCA 17

Asplenium nidus L. - NRS0349 CCA 30

Asplenium lenenmi Forst. - NRS1611 CCA 18

Blechnaceae

Blechnum finlaysonianum Hook. & Grew - NRS0343 CCA 30

Blechnum orientale L. - NRS0267 CCA 17; NRS2111 CCA 12

Stenochlaena ptduslris (Burm.) Bedd. - NRS0343 CCA 30; NR.SI2I8 CCA 7; NRS1589 CCA 18; NRS1649 CCA 46; NRS183K CCA 16; NRS2086 CCA 17; NRS2295 CCA 7

Cyatheaceae

Cyathea glabra (Blume) Copcl. - NRS1526 CCA 13; NRS1S93 CCA 16; NRS1913 CCA 25; NRS1950 CCA 18

Cyathea lalobrosa (Wall, ex Hook.) Copcl. - NRS1508 CCA 13; NRS1600 CCA 1S

Dennstaedtiaceae

Histiopieris incisa (Thimh.) J.Sm. - NRS0634 CCA 17

Lindsaea doryophora Kramer - NRS1519 CCA 13

Lindsaea ensifolia Sw. ssp. *coriaeea* (Aldcrw.) Kramer - NRS2281 CCA 28

Lindsaea parasitica (Roxh. ex Griff.) Hicron. - NRS1075 CCA 17; NRS0158 CCA 18; NRS0631 CCA 17

Microlepia spelumcae (L.) Moore var. *hancei* (Pranll) C.Chr. - NRS1664 CCA 46

Pteridiian eaiulattni (L.) Maxon ssp. *yarrabense* (Domin) Parris - NRS0156 CCA 18; NRS0633 CCA 17

Dryopteridaceae

Pleocnemia olivacea (Copcl.) Holttum - NRS1792 CCA 48

Tectarta singaporeana (Wall, ex Hook. & Grew) Copcl. - NRS0274 CCA 17; NRS1483 CCA 49; NRS1814 CCA 48; NRS2156 CCA 17; NRS2520 CCA 15

Gleicheniaceae

gleichenia trunata (Willd.) Spr. - NRSI868 CCA 16: NRSI981 CCA 24

Hymenophyllaceae

Trichomanes christii Copel. - NRS0867 CCA 18

Trichomanes javanicum Blumc - NRS1295 CCA 43

Trichomanes obscurum Blumc - NRS1094 CCA 33: NRS0258 CCA 17

Lomariopsidaceae

Teratophyllum aculeatum (Blume) Mett. ex Kuhn - NRS0051 CCA 13

Teratophyllum ludens (Fee) Holttum - NRS0132 CCA 18

Teratophyllum rotundifoliatum (Bonap.) Holuum - NRS0675 CCA 17

Oleandraceae

Nephrolepis acutifolia (Desv.) Chr. - NRS1403 CCA 7: NRS1491 CCA 49; NRS1830 CCA 15; NRS1922 CCA 25: NRS2602 CCA 6

Nephrolepis biserrata (Sw.) Schott - NRS2263 CCA 28

Parkeriaceae

Ceratopteris thalictroides (L.) Brongn. - NRS0720 CCA 10

Polypodiaceae

Drynaria quercifolia (L.) Sm. - NRS1327 BTNR

Lecanopteris sinuosa (Wall, ex Hook.) Copcl. - NRS0157 CCA 18; NRS0221: NRSI193 CCA 7: NRS0529 CCA 36: NRS0455 CCA 46

Platyserium coronarium (Koenig) Desv. - NRS1603 CCA 18: NRS1652 CCA 46: NRS2439 CCA 7

Pyrrosia longifolia i Burm.) Morton - NRS0131 CCA 18

Pyrrosia piloselloides (L.) M.G. Price - NRS2441 CCA 7

Pteridaceae

Pteris ensiformis Burm. - NRS2383 CCA 45

Salviniaceae

Salvinia molesta D.S. Mitchell - NRS0834 CCA 11

Schizaeaceae

Lygodium longifolium (Willd.) Sw. - NRS1439 CCA 44; NRS1647 CCA 15; NRS1699 CCA 45; NRS1745 CCA 47; NRS1770 CCA 47; NRS1906 CCA 25; NRS2021 CCA 24; NRS2116 CCA 12; NRS2227 CCA 36; NRS2368 CCA 45; NRS2216 CCA 43

Lygodium microphyllum (Cav.) R.Br. - NRS0243 CCA 17; NRS2248 CCA 28

Schizaea dichotoma (L.) Sm. - NRS0479 CCA 17; NRS1850 CCA 16; NRS2088 CCA 17; NRS2561 CCA 43

Schizaea digitata (L.) Sw. - NRS0384 CCA 17; NRS0171 CCA 18; NRS2055 CCA 24; NRS2359 CCA 45

Thelypteridaceae

Christella dentata (Forssk.) Brownsey & Jermy - NRS0263 CCA 17

Chrisu-lla parasitica (L.) Lev. - NRS0629 CCA 17; NRS0145 CCA 18

Cyclosorns interruptus (Willd.) H. Ilo - NRS0242 CCA 17

Mcsophlebion motleyanum (Hook.) Holllum - NRS1750 CCA 12

Pronephrium triphyllum (Sw.) Holttum - NRS0286 CCA 17

Vittariaceae

Vittaria ensifurmis Sw. - NRS1832 CCA 15; NRS2406 CCA 45

GNETOPHYTA**Gnetaceae**

Gnettnn gnemonoides Brongn. - NRS0781 CCA 18

Gnetum macrostachyum Hook.f. - NRS1262 CCA 29; NRS0325 CCA 30; NRS0244 CCA 17; NRS0196 CCA 18

Gnetum microcarpum Blume - NRS0915 CCA 6

CONIFEROPHYTA

Podocarpaceae

Podocarpus polystachyus R.Br. ex Endl. - NRS0428 CCA 47; NRS0344 CCA 30

ANGIOSPERMOPHYTA

Acanthaceae

Asystasia nemontis Nees - NRS0400 CCA 30; NRS0820 CCA 11

Hygrophila ringens (L.) R.Br. ex Steud. - NRS2438 CCA ?

Ruellia repens L. - NRS1049 CCA 41; NRS0029 CCA 13

Ruellia tuberosa L. - NRS0965 CCA 26

Scaevola taccada Kuntze - NRS0166 CCA 18

Thunbergia alata Boj. ex Sims - NRS0741 CCA 10; NRS0916 CCA 6

Thunbergia grandiflora Roxb. - NRS0454 CCA 46

Amaranthaceae

Alternanthera versicolor (L.) R.Br. ex DC. - NRS0496 CCA 17

Amaranthus tricolor L. - NRS0913 CCA 6

Anacardiaceae

Buchanania arborescens (Blume) Blume - NRS1932 CCA 25

Buchanania sessifolia Blume - NRS0241 CCA 17; NRS1372 CCA 10

Campnosperma squamatum Ridl. - NRS1010 CCA 18; NRS1413 CCA 7; NRS2427 CCA 13

Ancistrocladaceae

Ancistrocladus tectorius (Lour.) Merr. - NRS1523 CCA 13

Anisophylleaceae

Anisophyllum disncha (Jack) Baill. - NRS0591 CCA 53; NRS0488 CCA 17; NRS0217 CCA 25; NRS0307 BTNR

Annonaceae

Arlabotrrys coshilus King - NRS1358 CCA 18

Artabotrrys suaveolens (Blume) Blume - NRS0694 CCA 45; NRS0827 CCA 11; NRS0249 CCA 17; NRS0341 CCA 30; NRS1412 CCA 7

Cyalhoccalxy ramuliflorus (Maingay ex Hook.f. & Thomson) Scheff. - NRS0585 CCA 53; DJM177 BTNR

Cyathostemma viridiflorum Griff. - NRS0651 CCA 17; NRS0483 CCA 17; NRS0703 CCA 45; NRS0885 CCA 54

Dcsmos dasymaschala (Blume) Stiff. - NRS1235 CCA 54; NRSI293 CCA 43

Ellipeia cuneifolia Hook.f. & Thomson - NRSI983 CCA 24

Fissistigma fulgens (Hook.f. & Thomson) Mcrr. - NRS0666 CCA 17

Friesodielsia latifolia (Hook.f. & Thomson) Steenis - NRS0216 CCA 25

Goniothalamus macrophyllus (Blume) Hook.f. & Thomson - NRS1171 CCA 18; NRS0313 BTNR

Goniothalamus Ridley King - NRS0160 CCA 18

Mitrella kentii (Blume) Miq. - NRS0119 CCA 18; NRS0546 CCA 47; NRS1042 CCA 41

Phaeanthus ophthalmicus (Roxb. ex G.Don) J. Sinclair - NRSI208 CCA 7; NRS1276 CCA 5; NRS1402 CCA 7; DJM179 BTNR

polyalthia angustissima Ridl. - NRS2133 CCA 17

polyalthia caitliflora Hook.f. & Thomson - NRS1234 CCA 54; NRS1233 CCA 54; NRS1787 CCA 48

Polvadua lateriflora (Blume) King - NRS1419 CCA 43

Polvadua macropoda King - NRS1069 CCA 17; NRS1311 CCA 35; NRS1219 CCA 54; NRS2137 17

Poponia fusca King - NRS1307 CCA 43

Popowia pisocarpa (Blume) Eudl. - NRS0695 CCA 45; NRS1389 CCA 49; NRS1415 CCA 43

Pyratnidanthcprismatica (Hook.f. & Thomson) Merr. - NRS0277 CCA 17; NRS0470 CCA 46; CCA 17

Uyaria cordata (Dunal) Alston - NRS0120 CCA 18; NRS0355 CCA 30; NRS0543 CCA 47

L'yaria hirsuta Jack - NRS1334 CCA 49

Xylophia fcrro^inea (Hook.f. & Thomson) Hook.f. & Thomson - NRS1222 CCA 54

Xylophia nuikyttina Hook.f. & Thomson - NRS1335 CCA 49; NRS2054 CCA 24; DJMI00 CCA 18

Apocynaceae

Allamanda calhurlicu L. - NRS0796 CCA 11

Alslonia anguslifolia Wall, ex A.DC. - NRS0905 CCA 6; NRS1207 CCA 7; NRS1 142 CCA 36

Kihalalia inain^ayi (Hook./.) Woodson - NRS0224 CCA ''

Kop.sia siiifiapiiiiTiisis Ridl. - NRS0126 CCA 18

Leucoiws griffilbii Hook./ - NRS0900 CCA 6

Leueonotis ma'mgayi Dyer ex Hook./ - NRS0169 CCA 18

Tabemaemonhma corymbosa Roxb. - NRS0975 CCA 26; NRS1085 CCA 20

Tabemaeniontanapauciflora Blumc - NRS0903 CCA 6; NRS1270 CCA 5; NRS1 110 CCA 33; NRS1316 CCA 35

Willughheia coriacea Wall. - NRS0048 CCA 13; NRS0077 CCA 24; NRS2335 CCA 47

Willughbi'ia temtiflora Dyer ex Hook. / - NRS0245 CCA 17

Arateae

Aghwnema nebiilosum N.E.Br. - NRS0673 CCA 17; NRS1225 CCA 54; NRS0161 CCA 18; NRS1475 CCA 47

Aglaonema nitidum (Jaek) Kunth - NRS0766 CCA 18; NRS0009 CCA 13; NRS0994 CCA 13; NRS0142 CCA 18; NRS0604 CCA17; NRS0367 CCA 30

Aglaonema simplex Blume - NRS0868 CCA 18; NRS1 103 CCA 33; NRS1060 CCA 41; NRS1038 CCA 18; NRS1019 CCA 18; DJM315 BTNR

Alocasia ilemulata Engl. -NRS0712 CCA 45; NRS0297 BTNR; NRS0453 CCA 46; NRS1465 CCA 47

Alocasia macrorrhizos (L.) G.Don - NRS0970 CCA 32; NRS0989 CCA 32

Anailemlritm montatmt (Blumc) Schott - NRS0081 CCA 24; NRS1470 CCA 47; NRS2418 CCA 13; DJM158 BTNR

Cryptocoryne griffithii Schott - NRS1525 CCA 13; NRS1978 CCA 18

Cyrtosperma merkusii (Hassk.) Schott - NRS1091 CCA 33; NRS1090 CCA 33; NRS0889 CCA 18; NRS1500 CCA 13

Homalomena griffithii (Schott) Hook./ - NRS2519 CCA 58

Homalomena sagimfolia Jungh. ex Schott - NRS0538 CCA 47; NRS1263 CCA 41; NRS2419 CCA 18

Porhos latifolius Hook./ - NRS1415 CCA 43; NRS1450 CCA 47; NRS1819 CCA 48; NRS2013 CCA 24; NRS2148 CCA 17; NRS2503 CCA 15

Rhaphidopliora korthalsii Schott - NRS1591 CCA 18; NRS1969 CCA 28

Rhaphidophora lobbii Schott - NRS1485 CCA 49

Rhaphidophoni sylvestris (Blumc) Engl. var. *montana* (Blumc) Nicols. - NRS0992 CCA 13

Sclusmatoglottis walliului (Roxb.) Hook./ - NRS1604 CCA 18; NRS1721 CCA 43

Scindapsus heileraceus (Zoll. & Moritz) Miq. - NRS1509 CCA 13

Seiulapsus piclus Hassk. - NRS1756 CCA 47; NRS1815 CCA 48; NRS2169 CCA 17; NRS2323 CCA 6; NRS2514 CCA 15

Syngomum podophyllum Schott - NRS1371 CCA 10; NRS2430 CCA 12

Arislolochiaceae

Thottea grnruiflora Rottb. - NRSI377 CCA 49; NRS1458 CCA 47; NRS1458 CCA 47

Asclepiadaceae

Dischidiu major (Vahl) Mcrr. - NRS0810 CCA 11

Dischidia nwuinulana R.Br. - NRS0576 CCA 46; NRS0547 CCA 47

Hoya lacunosa Blumc - NRS0640 CCA 17; NRSI356 CCA 24

Hoyu sp. - NRS094S CCA 28

Iloya parasitica (Roxb.) Wall, ex Wighl - NRS0519 CCA 36; NRS0584 CCA 53; NRS0414 CCA 47; NRS0446 CCA 47; NRS0561 CCA 46; NRS1147 CCA 36; NRS2468 CCA 7

Hoya ritlleiyi King & Gamble - NRS2063 CCA 24

Balsaminaceae

Hydrocrra triflora (L.) Wighl & Arnott - NRS0480 CCA 17; NRS0742 CCA 10; NRS1216 CCA 7

Bignoniaceae

Iacaranda filicifolia D.Don. - NRS0327 CCA 30

Spathodca campamtlala Beauv. - NRS0760 CCA 18

Bombacaceae

Necsia sxrumdra MaM. - NRS0320 BTNR; NRS0356 CCA 30; NRS0996 CCA 13

Boraginaceae

Cordia cylindnstachya Roem. & Schullz - NRS0934 CCA 6; NRS1129 CCA 33

Heliotropium indiaim L. - NRS1159 CCA 16; NRS0032 CCA 13

Bromeliaceae

Animus comosus (L.) Mcrr. - NRS0628 CCA 17

Burmanniaceae

Burrnannia coelestis D.Don - NRSI323 48

Burseraceae

Canarium patentinervium Miq. - NRS0581 CCA 53

Butomaceae

Limnocharis flava (L.) Buchenau - NRS0019 CCA 13; NRS1089 CCA 20

Cabombaceae

Cabomba aquatica Aubl. - NRS0017 CCA 13

Cannaceae

Carina indica L. - NRS09M CCA 32

Capparaceae

Cleome ruticlosperma DC. - NRS0174 CCA 18; NRS0912 CCA 6

Celastraceae

Bhesa paniculata Arn. - NRS0170 CCA 18; NRS0521 CCA; NRS0579 CCA 53; NRS0057 CCA 25; NRS1202 CCA 7; NRS1030 CCA 18

kokoona reflexa (Laws.) Ding Hou - DJM346 BTNR

Salacia grandiflora Kurz - NRS0128 CCA 18

Commelinaceae

Amischotolypc gracilis (Ridl.) I.M. Turner - NRS0272 CCA 17; NRS0179 CCA 18; NRS0377 CCA 17; NRS0875 CCA 18; NRS1306 CCA 43; NRS2521 CCA 15

Commelina diffusa Burm.f. - NRS0238 CCA 17

Compositae

Ageratum conyzoides L. - NRS0084 CCA 24

Blumea lacera (Burm.f.) DC. - NRS0151 CCA 18

Crassocephalum crepidioides (Benth.) S.Moore - NRS1215 CCA 7

Eclipla prostrata (L.) L. - NRS0926 CCA f.

Elephamopns scabcr L. - NRS0773 CCA 18; NRS0873 CCA 18

Emilia sonchifolia (L.) DC. ex Wight - NRS092.S CCA 6

Erechlites hiernifolia (L.) Rafin. ex DC. - NRS0939 CCA 28

Mikania micrantha Kunth - NRS0226 CCA 25; NRS0396 CCA 30; NRS0736 CCA 10

Sparganophorus sparganophora (L.) C. Jeffrey - NRS1206 CCA 7

Synedrella nodiflora (L.) Gaertn. - NRS0918 CCA 6

Connaraceae

Aglaea horneensis (Hook.f.) Merr. - NRS0641 CCA 17; NRS0638 CCA 17; NRS2422 CCA 12

Aglaea Macrophylla (Zoll.) Leenh. - NRS1538 CCA 28

Cnestis palala (Lour.) Merr. - NRS2129 CCA 13

Rourea fulgens Planch. - NR.S0860 CCA 18

Rourea mimoseides (Vahl) Planch. - NRS1553 CCA 28

Convallariaceae

Peliosanthes tela Andr. .ssp. *humilis* (Andr.) Jessp. - NRSU69 CCA 18; NRS1031 CCA 18

Convolvulaceae

Aniseia marlinicensis (Jacq.) Choisy - NRS0951 CCA 28; NRS0977 CCA 26

Argyreia ridleyi Prain ex Ooststr. - NRS0001 CCA 13

Cusaita ausniliis R.Br. - NRS1364 CCA 5

Cuscuta malaccensis C.B. Clarke - NRSI354 CCA 24; NRS1577 CCA 15

Erycibe tomentosa Blume var. *tomentosa* - NRS0423 CCA 47; NRS0536 CCA 47; NRS0405 CCA 30; NRS0398 CCA 30; NRS0181 CCA 18; NRS0365 CCA 30; NRS0205 CCA ?; NRS0800 CCA 11; NRS0968 CCA 26; NRS0552 CCA 46

Ipomoea congesta R.Br. - NRS2425 CCA 13

Ipomoea pes-caprae (L.) Sweet ssp. *brasiliensis* (L.) Ooststr. - NRS0625 CCA 17

Merremia tridentata (Burm.f.) Hallier f. - NRS0003 CCA 13

Merremia tridentata (L.) Hallier f. - NRS0891 CCA 6; NRS0971 CCA 26; NRS0219 CCA 25

Costaceae

Costus lucanusianus J. Braun & K. Schum. - NRS0826 CCA 1 1

Cosltix speciusus (J. Konig) Sm. - NRS0967 CCA 32

Cucurbitaceae

Momordica charantia L. - NRS0895 CCA 6

Trichosanthes celebica Cogn. - NRS0392 CCA 17

Trichosanthes wawraei Cogn. - NRS0078 CCA 24; NRS0842 CCA 11

Cyperaceae

Cyperus digitatus Roxb. - NRS0717 CCA 10

Cyperus halpan L. - NRS0594 CCA 53

Fimbristylis globulosa (Retz.) Kunth - NRS0919 CCA 6

Gahnia trislis Nces - NRS1138 CCA 33; NRSI820 CCA 16; DJM320 BTNR

Hypolytrum nemonim (Vahl) Spreng. - NRS0961 C29/37; NRS1176 CCA 18; NRS1158 CCA 16; NRS1236 CCA 54; NRS0040 CCA 13; NRS0607 CCA 17; NRS0082 CCA 24; NRS0093 CCA 24; NRSI477 CCA 47

Mapania cuspidata (Miq.) Uittien - NRS1290 CCA 43; NRS0304 BTNR; NRS1620 CCA 18; NRS1743 CCA 47

Mapania palustris (Hassk. ex Steud.) Fern.-Vill. - NRSI278 CCA 43; NRS0369 CCA 17

Mapania squamata (Kurz) C.B. Clarke - NRS1505 CCA 13

Rhynchospora corymbosa (L.) E. Britton - NRS0095 CCA 24

Selena bi flora Roxb. - NRS2483 CCA 7

Scleria eiliaris Nees - NRS0620 CCA 17

Scleria levis Retz. - NRS0831 CCA 11; NRS1927 CCA 25; NRS2301 CCA 7; NRS2372 CCA 45

Thoracosiachyum bancamim (Miq.) Kurz - NRS0362 CCA 30; NRS2396 CCA 45

Daphniphyllaceae

Daphniphyllum laurinum (Benth.) Baill. - NRS0416 CCA 47

Dilleniaceae

Dillenia suffruticosa (Griff.) Martelli - NRS0197 CCA ?

Tetracera indica (Christm. & Panz.) Merr. - NRS0184 CCA 18; NRS0287 CCA 17; NRS0485 CCA 17; NRS0946 CCA 28; NRS0711 CCA 45; NRS0415 CCA 47; DJMI78 BTNR

Dioscoreaceae

Dioscorea laurifolia Wall, ex Hook.f. - NRS0443 CCA 47; NRS0042 CCA 13

Dioscorea prainiana R.Knuth NRS2270 CCA 28

Dioscorea pyrifolia Kunth - NRS0481 CCA 17

Dioscorea sansibarensis Pax - NRS1224 CCA 54

Dioscorea slenonienflora Prain & Burkill - NRS1632 CCA 33

Dipterocarpaceae

Diprerocarpus sp. - NRS0691 CCA 17

Dracaenaceae

Dracaena auraiuiaca Wall. - NRS0292 CCA 17; NRS0113 CCA 24; NRS0139 CCA 18

Dracaena fragrans (L.) Ker-Gawl. - NRS0909 CCA 6; NRS0813 CCA 11

Dracaena gramlata Hook.f. - NRS1104 CCA 33

Dracaena porteri Baker - NRS0334 CCA 30; NRS0059 CCA 25; NRS1260 CCA 29; NRS1221 CCA 54; NRS0956 C'29/37: NRS0067 CCA 25

Dracaena umbraica Ridl. - NRSU67 CCA 18; NRS1146 CCA 33; NRS1066 CCA 17

Ebenaceae

Diospyros lanceifolia Roxb. - NRS2014 CCA 24

Elaeocarpaceae

Elaeocarpus ferrugineus (Jack) Steud. - NRS0088 CCA 24

Elaeocarpus maswrsii King - NRS0055 CCA 25; NRS0328 CCA 30; NRS0435 CCA 47; NRS0475 CCA 46; NRS0713 CCA 10; NRS0693 CCA 45

Elaeocarpus peliolatus (Jack) Wall. - NRS0525 CCA 36; NRS0582 CCA 53; NRS0643 CCA 17

Elaeocarpus polystachyus Wall. - NRS0978 CCA 26; NRS0906 CCA 6; NRS1107 CCA 33

Elaeocarpus stipularis Blume - NRS0060 CCA 25

Eriocaulaceae

Eriocattlon longifolium Nees - NRS0436 CCA 47

Euphorbiaceae

Actephila excelsa (Dal?.) Miill.Arg. var. *javanica* (Miq.) Pax & K. Hoffm. - NRS0299 BTNR

Agrostis longifolia (Wight) Benth. ex Hook.f. - NRS0378 CCA 17; NRS0189 CCA 18; NRS0605 CCA 17

Alehonea villosa Mull.Arg. - NRS0239 CCA 17

Antidesma cuspidatum Mull.Arg. - NRS0856 CCA 18; NRS0270 CCA 17; NRS0639 CCA 17; NRS0648 CCA 17; NRS0880 CCA 18; NRS0473 CCA 46

Antidesma neurocarpum Miq. - NRS0116 CCA 18; NRS0882 CCA 18

Aporosa bculluimiana Hook.f. - NRS1231 CCA 54

Aporosa confusa Gage - NRS1359 CCA 18

Aporosa frutescens Blume - NRS0193 CCA 18

Aponisa microstachya (Till.) Mull.Arg. - NRS2018 CCA 24

Aponisa praituana King ex Gage - NRS0094 CCA 24; NRS0570 CCA 46

Aporosa symplocoides (Hook.f.) Gage - NRS0899 CCA 6; NRS402 CCA30; NRS0838 CCA 11; NRSI 096 CCA 33; NRS0876 CCA18; NRS0333 CCA 30; NRS0340 CCA 30; NRS0459 CCA 46; NRS0425 CCA 47; NRS0904 CCA 6; NRS0567 CCA 46

Baecatirea kunstleri King ex Gage - DJM232 BTNR

Baccaurea parviflora (Mull.Arg.) Mull.Arg. - NRS0315 BTNR

Baccaurea racemosa (Reinw.) Mull.Arg. - DJM209 BTNR

Breynia coronata Hook.f. - NRSI I 15 CCA 28

Breynia reclinata (Roxb.) Hook.f. - NRS0461 CCA 46

baloxylon inditum (Reinw. ex Blume) Endl. ex Hassk. - NRS0718 CCA 10

Croton laevifolius Blume - NRS0872 CCA 18; NRS0859 CCA 18

Endospermum diadenum (Miq.) Airy Shaw - NRS1351 CCA 24

Glochidion littorale Blume - NRS0941 CCA 28; NRS0441 CCA 47

Glochidion superbum Baill. - NRS0007 CCA 13; NRS0358 CCA 30; NRS0943 CCA 28

Hevea brasiliensis (Willd. ex A. Juss.) Mull.Arg. - NRSI255 CCA 29; NRS0958 CCA 29/37

Koelodepas longifolium Hook.f. - NRSI305 CCA 43

Macaranga compera (Zoll.) Mull.Arg. - NRSI250 CCA 29

Macaranga gigantea (Reh. f. & Zoll.) Mull.Arg. - NRS0957 C29/37; NRS0954 CCA 28

Macaranga heveae I.M. Johnston - NRS0492 CCA 17

Macaranga punctulata Gage - NRS0716 CCA 10; NRS0984 CCA 32

Macaranga triloba (Reinw.) Mull.Arg. - NRS0037 CCA 13; NRS0599 CCA 17; NRS0194 CCA 18; NRS0213 CCA 25

Mallotus paniculatus (Lam.) Mull.Arg. - NRS021 1 CCA 25; NRS0715 CCA 10; NRS0984 CCA 32; NRS0716 CCA 10; DJM129 BTNR

Manihot glaziovii Mull.Arg. - NRS0707 CCA 45; NRS0223 CCA 25; NRS0565 CCA 46; NRS0728 CCA 10

Neoscortechinia kingii (Hook.f.) Pax & K. Hoffm. - NRS0771 CCA 18; NRS2611 CCA 6

Smiropus androgynus (L.) Merr. - NRS0232 CCA 25

Frigonosiemou longifolius Baill. - NRS1279 CCA 43

Fagaceae

Castanopsis lucida (Nees) Soepadmo - DJMI41 BTNR

Lithocarpus cumlcyaruus (King ex Hook.f.) Rehdcr - NRS1163 CCA 16; NRS0808 CCA 11

Lithocarpus conoairpus (Oudem.) Rehder - NRS0539 CCA 47; NRS0564 CCA 46; NRS0498 CCA 17

Lithocarpus enclisacarpus (Korth.) A. Camus - NRS0668 CCA 17

Lirhocurpus htcidus (Roxb.) Rehder - NRS0080 CCA 24

Flacourtiaceae

Flacourtia rukam Zoll. & Morilzi - NRS0448 CCA 46; NRS0419 CCA 47; NRS0851 CCA 18; NRS1015 CCA 18; NRS0855 CCA 18; NRS0559 CCA 18; NRS0557 CCA 46

Flagellariaceae

Flagellaria indica L. - NRS0015 CCA 13; NRS2121 CCA12: NRS2458 CCA 7: D.IM165 BTNR

Gesueriaceae

Acschynantlms albidus (Blume) Steud. (= *A. purpurascens* Hassk.) - NRS1012 CCA 18; NRS1037 CCA 18

Gramineae

Bambusa tulda Roxb. - NRS0346 CCA 30

Centotheca latifolia (Osbeck) Trin. - NRS0615 CCA 17

Coix hicryma-jobi L. - NRS0921 CCA 6

Dendrocalanms asper (Schult.f.) Baker ex Heyne - NRS0523 CCA 36

Imperata cyliudria (L.) P. Beauv. - NRS2277 CCA 28

Isachne globosa (Thunb.) Kuntze - NRS0438 CCA 47

Isuchnc pulchella Roth ex Roem. & Schullz - NRS0168 CCA 18

Lepiaspis urceolata (Roxb.) R.Br. - NRS0039 CCA 13

Thysanolaena latifolia (Roxb. ex Hornem.) Honda - NRS0020 CCA 13; NRS0587 CCA 53

Guttiferae

Calophyllum lanigerum Miq. var. *austrororiaceim* (T.C. Whitmore) P.F. Stevens - NRS0278 CCA 17; NRS2336 CCA 48

Calophyllum tetrapterum Miq. - NRS0578 CCA 53; NRS0440 CCA 47

Calophyllum teysmannii Miq. - NRS1 118 CCA 28

Cratoxylum coccinchenense (Lour.) Blume - NRS0172 CCA 18

Garcinia forbesii King - NRS0359 CCA 30; NRS0937 CCA 28; NRS0887 CCA 18; NRS0858 CCA 18; NRS0352 CCA 30; NRS1404 CCA 7; NRS2420 CCA 17

Garcinia griffithii T. Anderson - NRS0108 CCA 24; NRS1938 CCA 24; DJM101 CCA 18

Garcinia mangostana L. - NRS1410 CCA 7

Garcinia parvifolia (Miq.) Miq. - NRS2002 24; NRS2059 24

Garcinia urophylla Scott. ex King - NRS1326 BTNR

Ploiarium alternifolium (Valil) Melch. - NRS0098 CCA 24; NRS1 143 CCA 36

Hanguanaceae

Hanguana malayana (Jack) Merr. - NRS0298 BTNR: NRS0035 CCA 13; NRS1077 CCA 17; NRS0598 CCA 53; NRS1862 CCA 16; NRS2145 CCA 17

Hydrocharitaceae

Hydrilla verticillata (Roxb.) Royle - NRS0395 CCA 30; NRS0016 CCA 13

Hypoxidaceae

Curatigo latifolia Dryand. - NRS0371 CCA 17; NRS0025 CCA 13; NRS1 144 CCA 33; NRS1095 CCA 33; NRS1 132 CCA 33

Icacinaeae

Goniphandra quadrifida (Blume) Sleumer var. *ovalifolia* (Ridl.) Sleumer - NRS1309 CCA 35; NRS1226 CCA 54; NRS0777 CCA 18; NRS0751 CCA 18

Icacinna arrhosa Turcz. - NRS0026 CCA 13

Icacinna ovalis Blume - NRS0004 CCA 13

Phytocrene bracteata Wall. - NRS0714 CCA 10; NRS0980 CCA 32; NRS2039 CCA 24

Iridaceae

Trimezia inarlinicensis (Jacq.) Herbert - NRS0134 CCA 18; NRS0993 CCA 13; NRS0595 CCA 53

Ixonanthaceae

Ixonamhes icosatidra Jack - NRS0099 CCA 24; NRS0901 CCA 6

Ixonamhes reticulata Jack - NRS0783 CCA 18

Labiatae

Hypris brevipes Foil. - NRS0551 CCA 46

Hypris capitata Jacq. - NRS0974 CCA 26

Lauraceae

Cassytha filiformis L. - NRSI080 CCA 20; NRS0723 CCA 10

Cinnarnomum iners Reinw. ex Blume - NRS0236 CCA 25; NRS1259 CCA 29

Cinnarnomum javaiuatm Blume - DJM230 BTNR

Cryptocarya ferrea Blume - NRS1005 CCA 13; DJMI75 CCA 18

Liudera lucida (Blume) Boerl. - NRS0337 CCA 30

Litsea costata (Blume) Boerl. - DJM310 BTNR

Litsea elliptica Blume - NRS0936 CCA 28

Litsea ferruginea Blume - NRS0572 CCA 46

Litsea ridleyi Gamble - NRS1183 CCA 18

Leeaceae

Lcca indica (Burm.f.) Merr. - NRS0214 CCA 25; NRS0969 CCA 26; NRS1044 CCA 41; NRS1119 CCA 28; NRS0046 CCA 13; NRS0439 CCA 47

Lcguminosae

Arcliidcidron clypcaria (Jack) I.C. Nielsen - NRS0261 CCA 17; NRS0212 CCA 25; NRS0421 CCA 13; NRS0254 CCA 17; NRS0574 CCA 46; NRS1058 CCA 414

Bauhinia scmihifida Roxh. - NRS0255 CCA 17; NRS0990 CCA 13; NRS0290 CCA 17; NRS1050 CCA 41; NRS0772 CCA 18; NRS0511 CCA 36; DJM 154 CCA 18

Cassia siamea Lam. - NRS1078 CCA 20

Centrosema pubescent Benth. - NRS0164 CCA 18; NRS0925 CCA 6; NRS0733 CCA 10

Chamaecrista mimosoides (L.) Greene - NRS0735 CCA 10

Clitoria laurifolia Poir. - NRS0133 CCA 18; NRS0182 CCA 18; NRS1079 CCA 20

Cmlcilaria retusa L. - NRSI082 CCA 20

Derris amoena Benth. var. *maingavana* (Baker) Prain - NRS0655 CCA 17; NRS01 18 CCA 18; NRS0545 CCA 47

Desmotium heterocarpon (L.) DC. - NRS0518 CCA 36

Entada spiralis Rich. - NRS1130 CCA 33; NRS0510 CCA 17

hidigofera hirsuta L. - NRSI084 CCA 20

Milletia atropurpurea (Wall.) Benth. - NRS1261 CCA 29

Mimosa pigra L. - NRS0542 CCA 47

Parkin speeiosa Hassk. - NRS1232 CCA 54

Saraea thaipingensis Cantley - NRS0779 CCA 18

Senna alum (L.) Roxb. - NRS0730 CCA 10; NRSU522 CCA 36

Spatholobus ferrugineus Benth. - NRS2414 CCA 13

Lentibulariaceae

Utricularia bifida L. - NRSI342 CCA 48

Utricularia caerulea L. - NRS1324 CCA 48; NRS1343 CCA 48

Utricularia gibba L. - NRS1344 CCA 48

Linaceae

indorouchera griffidiiana (Planch.) Hallier f. - NRS0814 CCA 11; NRS1257 CCA 29; NRS0462 CCA 46; NRS0100 CCA 24; NRS0155 CCA 18

Loganiaceae

Fagraea fragrans Roxb. - NRS0269 CCA 17; NRS0745 CCA 10; NRS0908 CCA 6

Fagraea racemosa Jack ex Wall. - NRS1068 CCA 17; NRSI065 CCA 17; NRS1027 CCA 18

Loranthaceae

Denclophthoe penandra (L.) Miq. - NRS0388 CCA 17; NRS0987 CCA 26; NRS0614 CCA 17

Macrosolen coehinlunensis (Lour.) Tiegh. - NRS0387 CCA 17

Scurrula ferruginea (Jack) Danser - NRS0293 CCA 17; NRS0426 CCA 47; NRS0323 CCA 30; NRS0609 CCA 17

Malvaceae

Sida cordifolia L. - NRS0509 CCA 36

Sida rhombi folia L. - NRS0931 CCA 6

Urena lohata L. - NRS0932 CCA 6; NRS0898 CCA 6

Marantaceae

Phrynium parvum (Ridl.) Holttum - NRS1228 CCA 54

Stuebeliophrynium griffithii (Baker) K. Schum. - NRS1283 CCA 43

Melastomataceae

Clidemia hirta (L.) D. Don. - NRS0043 CCA 13

Dissocliaeta celebiea Blume - NRS1056 CCA 41; NRS1043 CCA 41; NRS0065 CCA 25

Dissocliacia pallida (Jack) Blume - NRS0659 CCA 17

Melastoma malabaricum L. - NRS0427 CCA 47; NRS2122 CCA 12

Pachyrrhizus mungui (C.B. Clarke) J.F. Maxwell - NRS1723 43

Pereskia coarctata Jack - NRS0754 CCA 18; NRS0264 CCA 17; NRS0861 CCA 18; NRS0645 CCA 17

Pternandra echinata Jack - NRS0192 CCA 18; NRS0474 CCA 46; NRS0420 CCA 47

Platyandra tuberculata (Korth.) Nayar - D.TM251 BTNR

Sonerila heterostachya Naud. - NRS0778 CCA 18; NRS2412 CCA 18

Meliaceae

Diospyros cordifolia Hiern. - NRS0381 CCA 17; NRS1348 CCA 49

Menispermaceae

Ficaria verna Lour. - NRS0593 CCA 53; NRS0143 CCA 18; NRS0644 CCA 17; NRS0004 CCA 30; NRS0087 CCA 24; NRS0408 CCA 47; NRS0401 CCA 30; NRS1035 CCA 18; NRS0332 CCA 30; NRS1047 CCA 41; NRS0864 CCA 18; NRS0817 CCA 11; NRS0761 CCA 18; NRS1341 CCA 49

Limnium scandens Lour. - NRS0229 CCA 25; NRS0147 CCA 18; NRS0713 CCA 10; NRS0627 CCA 17; NRS1822 CCA 15

Stephanandra capitata (Blume) Spreng. - NRS0159 CCA 18; NRS0794 CCA 11

Thymoclinium pettiolarum Miers. ex Hook.f. & Thomson - NRS0091 CCA 24; NRS1062 CCA 17; NRS0671 CCA 17

Tinospora macrocarpa Diels - NRS0849 CCA 18

Menvanthaceae

Nymphioides indica (L.) Kuntze - NRS0897 CCA 6; NRS0732 CCA 10; NRS0832 CCA 11; NRS1272 CCA 5

Monimiaceae

Matthaea Blume - NRS1003 CCA 13; NRS0012 CCA 13; NRS1024 CCA 15; NRS1023 CCA 18; NRS1034 CCA 18; NRS1503 CCA 13

Moraceae

Anocarpus gomezianus Wall, ex Tree. - NRS0513 CCA 36; NRS2437 CCA?

Ficus apiocarpa Miq. - NRS0811 CCA 11; NRS1559 CCA 28; NRS2128 CCA 13; NRS2160 17

Ficus anranliaca Griff. - NRS0318 BTNR

Ficus aurata Miq. var. *minim* - NRS0324 CCA 30; NRS0933 CCA 6; NRS0825 CCA 11; NRS0612 CCA 17; NRS0284 BTNR

Ficus annua Miq. var. *longipilosa* Corner - NRS0209 CCA 11; NRSU797 CCA 11; NRS0803 CCA 11; NRSU40CCA36

Ficus binnendykii Miq. var. *corincca* Corner - NRS0250 CCA 17; NRS0279 CCA 17

Ficus bracteata Wall, ex Miq. - NRS1532 CCA 13

Ficus chartacea Wall, ex King - NRS029? CCA 17; NRS0623 CCA 17; NRS1469 CCA 47; DJM130 BTNR

Ficus consociata Blume var. *murtom* King - NRS0514 CCA 17

Ficus delioidca Jack - DJM12 BTNR

Ficus fisnilosa Reinw. ex Blume var. *fistulosa* - NRS0010 CCA 13; NRS0195 CCA 18; NRS0234 CCA 23; NRS0137 CCA 18; NRS0757 CCA 18; NRS1123 CCA 28; NRS1128CCA 28

Ficus glohosa Blume - NRS0183 CCA 18; NRS0130 CCA 18; NRS0430 CCA 47; NRS0424 CCA 47; NRS0434 CCA 47; NRS0959 CCA 29/37; NRS0888 CCA 18; NRS1253 CCA 29; NRS0680 CCA 17

Ficus grossularioides Burin.f. - NRS0750 CCA 10; NRS0802 CCA 11; NRS0747 CCA 10

Ficus heteroplaire Blume - NRS0202 CCA 7; NRS0203 CCA ?; NRS1254 CCA 29; NRS0960 C29/37; NRS1180CCA 18

Ficus larvis Blume - DJM362 BTNR

Ficus pisocarpa Blume - DJM318 CCA 18

Ficus sagillala Vahl - NRS0618 CCA 17

Ficus scorrechinii King - NRS1 174 CCA 18

Ficus siliuata Thunb. - NRS0186 CCA 18; NRS1000 CCA 13

Ficus sundica Blume - NRS0014 CCA 13

Ficus irichocarpa Blume - DJM171 CCA 18

Ficus villosa Blume - NRS16IS CCA IS: NRS1896 CCA 16; NRS1954 CCA IS: NRS2120 CCA 12

Streblus elongatus (Miq.) Corner - NRS0512 CCA 36; NRS030S BTNR: NRSI370 CCA 10

Musaceae

Heliconia bihai L. - NRS0835 CCA 11

Heliconia psittacorum L.f. - NRS0045 CCA 13; NRS070I CCA 45

Myristicaceae

Gyimiacramhcra fanpihariana (Hook.f. & Thomson) Warb. - NRSI052 CCA 41

Gymnacranthcra foihesii (King) Warb. - NRS1190 CCA 18; NRS0464 CCA 46

Horsfieldia polvsplurula (Hook.f, emend King) J. Sinclair var. *sumatraua* (Miq.) W.J. de Wilde - NRS0520CCA 36

Horsfieldia punctatifolia J. Sinclair - DIM132 BTNR

Knema latericia Elm. - NRS0869 CCA 18; NRS0769 CCA 18; NRS0866 CCA IS: NRS1026 CCA IS; NRS00S6 CCA 24; NRS0637 CCA 17

Knema lamina (Blume) Warb. - NRS0074 CCA 24

Knema malavana Warb. - NRS0030 CCA 13

Myristica clliplica Wall, ex Hook.f. & Thomson - NRS0391 CCA 17; NRS0049 CCA 13; NRSI243 CCA 54

Myristica maingayi Hook.f. - DJM309 BTNR

Mvrsinaceae

Anlisia d Roxb. - NRS001S CCA 13; NRS0685 CCA 45; NRS1161 CCA 16; NRS1124 CCA 28; NRS0596 CCA 55; NRS0312 BTNR: NRS0610 CCA 17; NRS0819 CCA I I: NRS0795 CCA 11; NRS0792 CCA I I; NRS08S6CCA18

Anlisia miqueliana ScheIT. - NRS0767 CCA IS

Arclisia singaporeansis Ridl. - NRS2079 CCA 17

Ardisia villosa Roxb. - NRS0883 CCA IS

Embelia canescens Jack - NRS0947 CCA 28

Embelia lampani Scheff. - NRS046S CCA 46; NRS0613 CCA 17

Emhelia ribes Burm. - NRS0463 CCA 46; NRS0589 CCA 53; NRS0452 CCA46; NRS0208 CCA 25

Labisia pumila (Blume) Fern.-Vill. - NRS0686 CCA 45; NRSI1S6 CCA IS; NRS1039 CCA IS; NRS0140 CCA 18; NRS0376 CCA 17; NRS1014 CCA 18; NRS01S0 CCA IS: NRS0753 CCA IS; NRSI384 CCA 49; NRS1466 CCA 47; NRS1800 CCA 48

Macsa ramenlacea Wall, ex Roxb. - NRS0724 CCA 10; NRS1249 CCA 29; NRS0467 CCA 46

Myrtaceae

Aphanomyrtus rostrata Miq. - NRS0878 CCA IS

Decaspermum fruticosum J.R. Foist. & G. Foist - NRS0727 CCA 10; NRS0602 CCA 17; NRS0791 CCA 11; DJM174CCA 18

Eugenia cerina M.R. Hend. - NRS0235 CCA 25

Eugenia cuminghama Vidal - NRS1332 CCA 49

Eugenia filiformis Duthie var. *filiformis* - NRSI267 CCA 5; NRS0537 CCA 47

Eugenia filiformis Duthie var. *elaviniyrius* (Koorcl. & Valetton) M.R. Hund. - NRS1994 CCA 24

Eugenia grandis Wight - NRS0231 CCA 25; NRS0350 CCA 30; NRS0924 CCA 6

Eugenia longiflora (Presl) Fem.-Vill. - NRS0013 CCA 13; NRS0062 CCA 25; NRS0237 CCA 17; NRS0894 CCA 6; NRS0938 CCA 28

Eugenia oblongijolia Duthie - NRS0497 CCA 17

Eugenia paehvphvlla Kurz - NRS0138 CCA 18

Eugenia polyantha Wight - NRS0562 CCA IS; NRS1274 CCA 5; NRS1361 CCA 18

Eugenia pinstulata Duthie - NRSI347 CCA 49

Eugenia ridleyi King - NRS0555 CCA 5

Eugenia spicata Lam. - NRS0743 CCA 10; DJM322 CCA 48

Psidium guajava L. - NRS0890 CCA 6

Rhodamnia einerea Jack - NRS0257 CCA 17; NRS0491 CCA 17; NRS0910 CCA 6; NRS0929 CCA ft; NRS0114 CCA 28; NRS0892 CCA ft; NRS1059 CCA 41; NRS0418 CCA 47

Rhodomyrtus tomentosa (Ait.) Hassk. - NRS0981 CCA 26

Najadaceae

Najas indica (Willd.) Cham. - NRS0403 CCA 30; NRS0838 CCA IS

Najas inalesiana Delile - NRS0090 CCA 24

Nepenthaceae

Nepenthes ampullaria Jack - NRS0345 CCA 30

Nepenthes gracilis Korth. - NRS0422 CCA 47; NRS0603 CCA 17; NRSI102 CCA 33

Nepenthes rafflesiana Jack - NRS0268 CCA 17; NRS0601 CCA 17; NRS1093 CCA 33

Nymphaeaceae

Nymphaea pubescens Willd. - NRS0008 CCA 13

Ochnaceae

Gomphia serrata (Gaertn.) Kanis - NRS0301 BTNR

Ochna kirkii Oliv. - NRS0793 CCA 11

Olacaceae

Erythralium scandens Blume - NRS0390 CCA 17; NRS0657 CCA 17; NRS0845 CCA 18; NRS1017 CCA 18; NRS0566 CCA 46; NRS0844 CCA 18; NRS1876 CCA 18; NRS2423 CCA 12

Strombosia ceylanica Gardn. - NRS1392 CCA 49; NRS1714 CCA 43; NRS1946 CCA 18

Strombosia javanica Blume - DJM333 BTNR

Onagraceae

Ludwigia adsendens (L.) Hara - NRS0729 CCA 10

Ludwigia hyssopifolia (G. Don) Exell - NRS0033 CCA 13; NRS0489 CCA 17

Ludwigia octovalvis (Jacq.) Raven - NRS0410 CCA 47

Opiliaceae

Champeria manillana (Blume) Mcrr. - NRS0265 CCA 17; NRS0465 CCA 46; NRS0600 CCA 17; NRS0588 CCA 53; NRS1125 CCA 28; NRS0442 CCA 47; NRS0698 CCA 45; NRS0335 CCA 30; NRS0699 CCA 45

Lepionurium sylvestris Blume - NRS2337 CCA 47

Orchidaceae

Arundina graminifolia (Don) Hochr. - NRS0115 CCA 18; NRS0966 CCA 26; NRS0737 CCA 10

Bromhedia finlaysonian (Lindl.) Rclib.f. - NSR0985 CCA 26; NRS0399 CCA 30

Bulbophyllum gusdorfii J.J.Sm. - NRS1683 CCA 45

Bulbophyllum macranthum Lindl. - NRS1320 CCA 18

Bulbophyllum vaginatum (Lindl.) Rchb.f. - NRS1682 CCA 45

Calanthe pulchra (Blume) Lindl. - NRS2089 CCA 16

Claderia viridiflora Hook.f. - NRS0002 CCA 13; NRS1113 CCA 28

Cymbidium finlaysonianum Lindl. - NRS2175 CCA17

Dendrobium crumenatum Sw. - NRS0110 CCA 24; NRS0200 CCA ?; NRS1081 CCA 20

Eulophia graminea Lindl. - NRS0124 CCA 18

Lecanorchis malaccensis Ridl. - NRS1533 CCA 13

Nephelaphyllum pulchrum Blume - NRS0775 CCA 18; NRS0847 CCA 18; NRS1936 CCA 18

Plocoglottis gigantea (Hook./.) J.J.Sm. - NRS0122 CCA 18; NRSII125 CCA 18; NRSI002 CCA 13

Plocoglottis javanica Blume - NRS0999 CCA 13; NRS1516 CCA 13

Pteroceras pallidum (Ridl.) Holttum - NRS1935 CCA 18

Spathoglottis plicata Blume - NRS0021 CCA 13; NRS0738 CCA 10; NRS0548 CCA 47; NRS1923 CCA 25

Taeniphyllum obtusum Blume - NRS1318 CCA 18

Thrixspernuttm trichoglottis (Hook.f.) Kuntze - NRSI319 CCA 18

Vanilla griffithii Rchb.f. - NRS0955 CCA 28; NRSI 112 CCA 28; NRS1353 CCA 24; NRS2140 CCA 17

Oxalidaceae

Averrhoa carambola L. - NRS0922 CCA 6

Oxalis barrel ieri L. - NRS0437 CCA 47; NRS0776 CCA 18; NRS0914 CCA 6

Palmae

Areca alicae F.v.M. - NRS0962 C29/37

Areca catechu L. - NRS1088 CCA 20

Calamus diepenhorstii Miq. - NRS1245 CCA 54; NRS1239CCA 54

Calamus insignis Griff. - NRS1302 CCA 43

Calamus lobbianus Becc. - NRS1300 CCA 43; NRS0294 BTNR

Calamus oxleyanus Teijsm. & Binn. - NRS1299 CCA 43; NRS0316 BTNR

Caryota mitis Lour. - NRS0457 CCA 46; NRS0407 CCA 47

Daemonorops angustifolia (Griff.) Martelli - NRS0677 CCA 17; NRS0833 CCA 11; NRS0683 CCA 17; NRS0031 CCA 13; NRS2431 CCA 13; NRS0505 CCA 17

Daemonorops dulymophylla Becc. - NRS0360 CCA 30; NRS081S CCA 11; NRS1298 CCA 43; NRS0682 CCA 17; NRS0K24 CCA 11; NRS1240 CCA 54; NRS0676 CCA 17; NRS0311 BTNR: NRS0366 CCA 30

Daemonorops geniculata (Griff.) Martelli - NRS0541 CCA 47; NRS0450 CCA 46

Daemonorops grandis (Griff.) Martelli - NRS0283 CCA 17; NRS0503 CCA 17; NRS0506 CCA 17

Daemonorops hystrix (Griff.) Martelli - NRS0502 CCA 17; NRS0056 CCA 25; NRS0806 CCA II: NRS0815 CCA 11

Daemonorops Icptopus (Griff.) Martelli - NRSI 109 CCA 33

Daemonorops longipes (Griff.) Martelli - NRS0386 CCA 17; NRS0505 CCA 17; NRS0361 CCA 30; NRS0385 CCA 17; NRS0681 CCA 17; NRS0280 CCA 17; NRS2424 CCA 13

Daemonorops periacantha Miq. - NRS0684 CCA 17

Iguauura wallichiana (Wall, ex Marclli) Hook.f. - NRS0177 CCA 18: NRS1313 CCA 35

Korthalsia echinometra Becc. - NRS1175 CCA 18

Licuala ferruginea Bccc. - NRS0550 CCA 47; NRS1177 CCA IS; NRS0597 CCA 53

Nenga pumila (Marlelli) Wendl. - NRS0364 CCA 30: NRS0S2 I CCA 11: NRS0744 CCA 10: NRSI248 CCA 54

Oncosperma horridum (Griff.) Scheff. - NRS0342 CCA 30

Pinanga malaiana (Martelli) Scheff. - NRS0109 CCA 24: NRS0135 CCA IS; NRS0382 CCA 17; NRS0S79 CCA 18

Plectocomia elongata Martelli ex Blume - NRS0107 CCA 24: NRS11 II CCA 33; NRS0549 CCA 47; NRSI266 CCA 41: NRS0678 CCA 17

Rhopaloblaste singaporensis (Bccc.) Hook.f. - NRS1308 CCA 35; NRS1444 CCA 43: NRS1455 CCA 47

Pandaceae

Galearia fldva (Till.) Miq. - NRS0654 CCA 17; NRS1230 CCA 54; NRS0S81 CCA 18

Pandanaceae

Freycinetia anguslifolia Blume - NRS2057 24; NRS2131 CCA 17

Freycinetia imbriata Blume - NRS1420 CCA 43

Frecinetia javanica Blume - NRS1527 CCA13: NRSI597 CCA IS; NRS1959 CCA IS

Pandanus atrocarpus Griff. - NRS1993 CCA 24: NRS2097 CCA 17; NRS2198 CCA 25

Pandanus houlletii Carriere - NRS1418 CCA 43

Pandanus monothea Martelli - NRS0710 CCA 45: NRSI303 CCA 43: NRS1241 CCA 54

Pandanus motleyanus Solms - NRS2183 CCA 25

Pandanus parvus Ridl. - NRSI776 CCA 48

Pandanus scortechinn Martelli - NRS2072 CCA 16

Passifloraceae

Adenia macrophylla (Blume) Koord. var. *singaporeana* (Wall, ex G. Don) W.J. dc Wilde - NRS0058 CCA 25: NRS0447 CCA 46: NRS1028 CCA 18; NRS1357 CCA 25

Passiflora foetida L. - NRS0726 CCA 10

Passiflora laurifolia L. - NRSI237 CCA 54

Passiflora suberosa L. - NRS0260 CCA 17: NRS0527 CCA 36

Phormiaceae

Dianella ensifolia (L.) DC. - NRSI136 CCA 33; NRS0281 CCA 18

Piperaceae

Piper caninum Blume - NRS1472 CCA 47; NRS1432 CCA 43; NRS2042 CCA 24

Piper muricatum Blume - NRSI 187 CCA 18

Piper pedicellusum Wall, ex C. DC. - NRSI265 CCA 41

Polygalaceae

Polygala paniculata L. - NRS0952 CCA 28

Xanthophyllum affine Korth. - NRS0816 CCA 11; NRS1213 CCA 7; NRS0995 CCA 13; NRS1762 CCA 47; NRS1783 CCA 48; NRS2016 CCA 24

Xanthophyllum ellipticum Korth. - NRS0575 CCA 46; NRS2338 CCA 47

Salomonina cantoniensis Lour. - NRS0105 CCA 24

Polygonactae

Polygonum barbatum L. - NRS0022 CCA 13; NRSI 198 CCA 7

Polygonum ehinense L. - NRS0976 CCA 26; NRS0964 CCA 26

Polygonum orientate L. - NRSI 105 CCA 33

Pontederiaceae

Monochoria hastata (L.) Solms - NRS1083 CCA 21)

Monochoria vaginalis (Burm.f.) Presl - NRS0036 CCA 13; NRS0658 CCA 17

Rhizophuraceae

Gynotroches axillaris Blume - NRS0432 CCA 47; NRS1053 CCA 41; NRS0207 BTNR; NRS0608 CCA 17

Pellacalvx axillaris Korth. - NRS0218 CCA 25; NRS0146 CCA 18; NRS041 1 CCA 47; NRSI258 CCA 29; NRSI362 CCA 18

Rosaceae

Primus polystachya (Hook f) Kalkman - NRS0201 BTNR; NRS0191 CCA 18; NRS0150 CCA 18; NRS0347 CCA 30; NRS0106 CCA 24

Rubus moluccanus L. - NRS1117 CCA 28; NRS1170 CCA 18; NRS1273 CCA 5; NRS1310 CCA 35; NRS0530 CCA 47

Rubiaceae

Aidia wallichiana Tirveng. - NRS1339 CCA 49

Borreriti laevicaulis (Miq.) Ridl. - NRS10 CCA41

Canthium confertum Korth. - NRS0251 CCA 17

Canthium glabrum Blume - NRS2342 CCA 48

Canthium horridum Blume - NRS0044 CCA 13

Cephaelis singaporensis Ridl. - NRS2223 CCA 43

Chasalia chartacea Craib - NRS0788 CCA 11; NRS0768 CCA 18; NRS1048 CCA 41; NRS1099 CCA 33; NRS1229 CCA 54; NRS1314 CCA 35; NRS1025 CCA 18

Chasalia curviflora (Wall.) Thwaites - NRS0271 CCA 17; NRS0649 CCA 17

Diodia ocymifolia (VWilld. ex Roem. & Schullz) Bremek. - NRS0429 CCA 47

Diplospora malaccensis Hook.f. - NRS0763 CCA 18; NRS1264 CCA 41

Gaertnera grisea Hook.f, ex C.B. Clarke - NRS0302 BTNR

Gaertnera obesa Hook.f, ex C.B. Clarke - NRS0586 CCA 53; NRS0590 CCA 53; NRS0073 CCA25; NRS0061 CCA 25; NRS1707 45; NRS1989 CCA 24

Gaertnera viminea Hook.f, ex C.B. Clarke - NRS0303 BTNR; NRS1312 CCA 35

Gynochthodes sublancoolata Miq. - NRS0445 CCA 47; NRS1471 CCA 47

Hedyotis auricularia L. - NRS0141 CCA 18

Hedyotis capitellata Wall, ex G. Don - NRS0076 CCA 24; D.IM166 CCA 18

Hedyotis congesta R.Br, ex G. Don - NRS0577 CCA 53; NRS0809 CCA 11; NRS1145 CCA 36; NRS1108 CCA 33; NRS0540 CCA 47; NRS0101 CCA 24; DJM139 CCA 18

Hedyotis herbacea L. - NRSU050 CCA 13; NRS091 I CCA 6; NRS1214 CCA 7

Hydnophytum formicarium Jack - NRS0444 CCA 47; NRS0650 CCA 17; NRS1723 CCA 43

Ixora congesta Roxb. - NRS0330 CCA 17; NRS0517 CCA 36; NRS0372 CCA 17; NRS0451 CCA 46; NRS0516 CCA 36; NRS0841 CCA 11; NRS0725 CCA 10; NRS0721 CCA 10; NRS0979 CCA 26; NRS0972 CCA 26; NRS1133 CCA 33; NRS1135 CCA 33; NRS1134 CCA 33; NRS1098 CCA 33; NRS1101 CCA 33; NRS1092 CCA 33; NRS0246 CCA 17; NRS0053 CCA 13; NRS1481 CCA 47; D.IM239 BTNR

Ixora javanica (Blume) DC. - NRS0230 CCA 17; NRS0380 CCA 17; NRS1065 CCA 17

Ixora lohii King & Gamble - NRS2410 CCA 13; NRS2091 CCA 17; NRS2064 CCA 16; NRS1667 CCA 5

Ixora pendula Jack - NRS0240 CCA 17: NRS0379 CCA 17: NRS1238 CCA 54; NRSI281 CCA 43; NRS1294 CCA 43; NRS310 BTNR; NRS0104 CCA 24

Jackiopsis ornata (Wall.) Ridsdale - NRS0749 CCA 10

Lasianthus appressus Hook.f. or *L. attenuatus* Jack - NRS1291 CCA 43; NRS0998 CCA 13; NRS1178 CCA 18; DJM203 BTNR

Lasianthus attenuatus Jack - NRS0023 CCA 13

Lasianthus constrictus Wight - NRS0034 CCA 13; NRS0482 CCA 17; NRS1008 CCA 18; NRSI006 CCA 13; NRS1011 CCA 18; NRSI 182 CCA 15; NRS1172 CCA 18

Lasianthus cayanocarpus Jack - NRS1464 CCA 47; NRS1X97 CCA 16

Lasianthus rtensifolius Miq. - NRS0829 CCA 11; NRS0756 CCA 18; NRSI 137 CCA 16; NRS1073 CCA 17; NRS1196 CCA 7; NRS1200 CCA 7; DJM312 BTNR

Lasianthus griffithii Wight - NRSI949 CCA 18

Lasianthus perakensis King & Gamble - NRS0103 CCA 24; NRSI 155 CCA 16

Lasianthus ridleyi King & Gamble - NRS0306 BTNR

Lasianthus scabridus King & Gamble - NRS2048 CCA 24

Lasianthus lomcntosus Blume - DJM6 BTNR

Lucinaea membranacea King - NRS0862 CCA 18; NRS1022 CCA 18; NRS0188 CCA 18

Morinda citrifolia L. - NRS0167 CCA 18; NRS0669 CCA 17; NRS0986 CCA 32

Morinda umbellata L. - NRS0940 CCA 28; NRSI 121 CCA 28; NRS2411 CCA 18

Mussaenda erythrophylla Schum. & Thonn. - NRS1401 CCA 7

Mussacuda glabra Vahl - NRS0266 CCA 17; NRS0041 CCA 13; NRS0047 CCA 13; NRS0755 CCA 18; NRS1086 CCA 20; NRSI 188 CCA 18; NRS0326 CCA 30

Mussaendopsis beccariana Baill. - NRS0991 CCA 13

Ophiorrhiza singaporensis Ridl. - NRS0165 CCA 18; NRS1975 CCA 18; DJM160 BTNR

Pacdria scandens (Lour.) Merr. - NRS0982 CCA 26; NRS0983 CCA 32

Pavcita wallichiana Stcud. - NRS0647 CCA 17; NRS0642 CCA 17; NRS0123: NRS0828 CCA 11; NRS0759 CCA 18; NRS0854 CCA 18; NRSI 141 CCA 33; NRS1072 CCA 17; NRS0692 CCA 45; NRS1013 CCA 18

Porterandia anisophylla (Jack ex Roxb.) Ridl. - NRS0852 CCA 18; NRS0507 CCA 36; NRS0764 CCA 18; NRS0839 CCA 11; NRS0850 CCA 18; NRS0616 CCA 17; NRS0532 CCA 47

Psychotria sp. - NRSI067 CCA 17

Psychotria helferiana Kurz - NRS0789 CCA 11; NRS1405 CCA 7; NRS1565 CCA 15; NRSI803 CCA 48; NRSI861 CCA 16

Psychotria maingayi Hook.f. - NRSI863 CCA 16

Psychotria obovata Wall. - NRSI 148 CCA 33

Psychotria ovoidea Wall. - NRS0469 CCA 46; NRS0329 CCA 30; NRS0460 CCA 46; NRS1440 CCA 43; NRS1543 CCA 28; NRS1623 CCA 33; NRS1659 CCA 46; NRS2215 CCA 43; NRS2284 CCA 28; NRS2529 CCA 44

Psychotria penangensis Hook.f. - NRS0770 CCA 18; NRS0874 CCA 18; NRS1400 CCA 7; NRS1497 CCA 49; NRS1629 CCA 33; NRS2596 CCA 6

Psychotria rostrata Blume - NRS2153 CCA 17; NRS2331 CCA 6

Psychotria sarmentosa Blume - NRS0173 CCA 18; NRS1071 CCA 17; NRS0626 CCA 17; NRS1663 CCA 46; NRS1825 CCA 15; NRS2045 CCA 24; NRS2125 CCA 12; NRS2192 CCA 25; NRS2266 CCA 28; NRS2303 CCA 7; NRS2352 CCA 45; NRS2566 CCA 43

Psydrax sp. 10 - DJM250 BTNR

Rollunannia macrophylla (R.Br, ex Hook./.) Bremek. - NRS1268 CCA 5; NRS2003 CCA 24; NRS2046 CCA 24

Tarenna odorata (Roxb.) B.L. Rob. - NRS0083 CCA 24; NRS0871 CCA 18; NRS2138 CCA 17

Tarenna stellulata (Hook.f.) Ridl. - NRS2065 CCA 16

Timonius wallichianus (Korth.) Valetton - NRS0857 CCA 18; NRS0092 CCA 24; NRS0210 CCA 25; NRS0762 CCA 18; NRS0920 CCA 6; NRS0840 CCA 11; NRS1269 CCA 5; NRS1628 CCA 33; NRS1644 CCA 15; NRS2060 CCA 24; NRS2208 CCA 43; NRS2391 CCA 45

Uncarin cordata (Lour.) Merr. - NRS0556 CCA 46; NRS0233 CCA 25; DJM172 CCA 18

Uncaria gambir- (Hunter) Roxb. - NRS1164 CCA 16; NRS1355 CCA 24

Uncaria lanosa Wall. var. *glabrata* (Blume) Ridsdale - NRS0508 CCA 36

Uncaria longiflora (Poir.) Merr. - NRS1898 CCA 16; NRS2224 CCA 43

Urophyllum blumeianum (Wight) Hook.f. - NRS0752 CCA 18; NRS0799 CCA 11; NRS0617 CCA 17; NRS1531 CCA 13; DJM204 BTNR

Urophyllum glabrum Wall. - NRS0162 CCA 18; NRS0148 CCA 18; NRS0163 CCA 18; NRS0253 CCA 17; NRS0296 BTNR; NRS0592 CCA 53; NRS0413 CCA 47; NRS0531 CCA 47; NRS0528 CCA 36; NRS0330 CCA 30; NRS0621 CCA 17; NRS1380 CCA 49; NRS1813 CCA 48; NRS1885 CCA 16

Urophyllum griffithianum (Wight) Hook./.. - NRS0688 CCA 45; NRS1247 CCA 54; DJM384 BTNR

Urophyllum hirsutum (Wight) Hook./.. - NRS0687 CCA 45; NRS0300 BTNR; NRS1315 CCA 35; NRS1284 CCA 43; DJM383 BTNR

Urophyllum sp. 2 of Wong (Tree Flora Vol. 4) - NRS0096 CCA 24; NRS0176 CCA 18; NRS0790 CCA 11; NRS1192 CCA 7; NRSU62 CCA 16; NRS1191 CCA 7; NRS1057 CCA 41; NRS0812 CCA 11; NRS1595 CCA 18; NRS2141 CCA 17; DJM125 BTNR

Urophyllum streptopodium Wall, ex Hook./.. - NRS2609 CCA 6; DJM152 BTNR

Rutaceae

Citrus medica L. - NRS0071 CCA 25

Clausena excavata Burm./.. - NRS0524 CCA 36; NRS0973 CCA 26

Glycosmis chlorosperma (Blume) Spreng. - NRS0262 CCA 17; NRS0798 CCA 11

Luvunga crassifolia Tanaka - NRS0635 CCA 17

Murraya koenigii Spreng. - NRS0988 CCA 2ft

Santalaceae

Dendrotrophe varians (Blumc) Miq. - NRS0085 CCA 24; NRS1210 CCA 7

Sapindaceae

Cardiospermum halicacabum L. - NRS0902 CCA 6

Guioa Pubescens (Zoll. & Moritz) Radlk. - NRS0935 CCA 28; NRS1 122 CCA 28

Nephelium cuspidatum Blumc var. *eriopetalmn* (Miq.) Lccnh. - NRS2432 CCA ?

Nephelium lappiiceim L. - NRS0006 CCA 13; NRS0927 CCA 6; NRS0075 CCA 24; NRS1403 CCA 18

Sapotaceae

Palaquium obovatum (Griff.) Engl. var. *obovatum* - NRS0351 CCA 30

Planchonella maingayi (C.B. Clarke) van Royen - NRS0321 BTNR

Planchonella obovata (R.Br.) Pierre - NRS0412 CCA 47

Scrophulariaceae

Adenosine javanicum (Blume) Koord. - NRS0225 CCA 25

Linnophila sessiliflora (Vahl) Blume - NRS0536 CCA 11; NRS1 195 CCA 7; NRS1 194 CCA 7; NRS1211 CCA 7

Limnophila villosa Blume - NRS0063 CCA 25; NRS0068 CCA 25

Lindernia Crustacea (L.) F.Muell. - NRS0024 CCA 13

Lindernia elata (Benth.) Wettst. - NRS1212 CCA 7; NRS0484 CCA 17

Striga asiatica (L.) Kuntze - NRS0494 CCA 17

Smilacaceae

Smilax braeteata Presl var. *harbata* (Wall, ex DC.) Koyama - NRS0129 CCA 18; NRS0944 CCA 28; NRS0417 CCA 47; NRS1545 CCA 28; NRS2269 CCA 28

Smilax calophylla Wall. - NRS0314 BTNR; NRS0997 CCA 13

Smilax leucophylla Blume - NRS1576 CCA 15

Solanaceae

Solanum torvum Sw. - NRS0907 CCA 6; NRS0739 CCA 10

Sterculiaceae

Commersonia banramia (L.) Merr. - NRS0652 CCA 17; NRS1018 CCA 18; NRSI 156 CCA 16; NRS0558 CCA 46

Melochia corchorifolia L. - NRS0945 CCA 28; NRS0487 CCA 17

Sterculia sp. - NRS0804 CCA 11; NRSI021 CCA 18

Sterculia coccinea Jack - NRS0370 CCA 17; NRS0696 CCA 45; NRS0700 CCA 45; NRSI275 CCA 5; NRS0580 CCA 53; NRS0054 CCA 13; NRS0339 CCA 30; NRS1205 CCA 7; NRSI 199 CCA 7; NRS0515 CCA 36; NRS0121 CCA 18; NRS0569 CCA 46; NRSI 152 CCA 16

Sterculia rubiginosa Vent. - NRS0719 CCA 10

Symplocaceae

Symplocos adenophylla Wall, ex D. Don - NRS0748 CCA 10

Taccaceae

Tacca integrifolia Ker-Gawl. - NRS0456 CCA 46; NRS0336 CCA 30; NRSI599 CCA 45; NRS1929 CCA 25

Theaceae

Adinandra dumosa Jack - NRS0198 CCA 18; NRS0353 CCA 30; NRS0734 CCA 10; NRS0930 CCA 6; NRS0949 CCA 28

Eitrya acuminata DC. - NRS0052 CCA 13; NRS0486 CCA 17; NRS0222 CCA 25; NRS0563 CCA 46; NRS0865 CCA 18

Gordonia singaporiana Wall, ex Ridl. - NRS0319 BTNR

Pyrenaria acuminata Planch, ex Choisy - NRS1016 CCA 18; NRS0619 CCA 17; NRS0705 CCA 45

Thymelaeaceae

Wikstroemia ridleyi Gamble - NRS0248 CCA 17; NRS2340 CCA 47

Tiliaceae

Grewia acuminata Juss. - NRS0185 CCA 18; NRS0646 CCA 17; NRS0117 CCA 18; NRS0801 CCA II; NRS0870 CCA 18; NRS0848 CCA 18

Microcos blattaefolia (Corner) Rao - NRS0653 CCA 17; NRS0822 CCA 11

Ulmaceae

Gironniera nervosa Planch. - NRS0066 CCA 25; NRS0622 CCA 17

Trema cannabina Lour. - NRS0338 CCA 30; NRS0153 CCA 18; NRS0397 CCA 30; NRS0746 CCA 10; NRS0611 CCA 17

Trema tomentosa (Roxb.) Hara - NRS0740 CCA 10; NRS0896 CCA 6; NRS0152 CCA 18

Umbelliferae

Centella asiatica (L.) Urb. - NRS0288 CCA 17

Urticaceae

Poikilospermum suaveolens (Blumc) Merr. - NRS0305; NRS0472 CCA 46; NRS 1020 CCA 18; NRS0526 CCA 36; NRS0837 CCA 11

Verbenaceae

Calliandra longifolia Lam. - NRS0593 CCA 6

Clerodendrum deflexum Wall. - NRS0533 CCA 47; NRS1009 CCA 15; NRS0830 CCA 11; NRS1289 CCA 43; NRS1 160 CCA 16; NRS1 131 CCA 33; NRS1097 CCA 33; NRS1150 CCA 33

Clerodendrum laevifolium Blumc - NRS0154; NRS0363 CCA 30; NRS0823 CCA 11; NRS0690 CCA 45; NRS0758 CCA 18; NRS0072 CCA 25; NRS0154 CCA ?; NRS0466 CCA 46

Clerodendrum paniculatum L. - NRS0846 CCA 18; NRS 1001 CCA 13

Clerodendrum villosum Blume - NRS0097 CCA 24; NRS0005 CCA 13; NRS0038 CCA 13; NRS0950 CCA 28

Lantana camara L. - NRS0765 CCA 18

Stachytarpheta indica (L.) Vahl - NRS0175 CCA 18

Vitex pinnata L. - NRS0070 CCA 25; NRS0731 CCA 10; NRS0136 CCA 18

Vitex vestita Wall, ex Sciau. - NRS0220 CCA 25; NRS1 139 CCA 33; NRS1 137 CCA 33

Viscaceae

Viscum ovalifolium Wall, ex DC. - NRS0389 CCA 17

Vitaceae

Ampelocissus elegans (Kurz) Gagep. - NRS0317 BTNR; NRS0431 CCA 47; NRS0215 CCA 25;

NRS0722 CCA 10; NRS1149 CCA 36; NRS0807 CCA 11; NRS0011 CCA 13; NRS0554 CCA 46

Ampelocissus gracilis (Wall.) Planch. - NRS1296 CCA 43; NRS1117 CCA 28; NRS1170 CCA 18; NRS1273 CCA 5; NRS1310 CCA 35; NRS0530 CCA 47

Cayratia novemfolia (Wall.) Burkill - NRS0393 CCA 17

Cissus hastata (Miq.) Planch. - NRSU187 CCA 18; NRS0853 CCA 18

Cissus repens Lam. - NRS0884 CCA 18

Pterisanthes polita (Miq.) Laws. - NRS0127 CCA 18; NRS1288 CCA 43; NRSI179 CCA 18; NRS1040 CCA 18; NRS1184 CCA 18; NRS1120 CCA 28; NRS1292 CCA 43; NRS0112 CCA 24

Zingiberaceae

Alpinia galanga (L.) Sw. - NRS0697 CCA 45

Alpinia purpurata (Vicill.) K. Schura. - NRS0709 CCA 45

Amonum xanthophlebium Baker - NRS0636 CCA 17

Globba leucantha Miq. - NRS0368 CCA 17

Hornstedtia leonurus (Kocnig) Retz. - NRS1100 CCA 33

Hornstedtia scyphifera (Koenig) Steud. - NRS0409 CCA 47; NRSI304 CCA 43; NRS1151 CCA 36; NRS106I CCA 41; NRS0259 CCA 17; NRS1734 47

Zingiber griffithii Baker - NRS0787 CCA 18; NRS1173 CCA 15; NRSJ127 CCA 28; NRS1004 CCA 13

Zingiber puberulum Ridl. - NRS0309