

CHAPTER: IV
ENUMERATION

ENUMERATION OF RECORDED VASCULAR PLANTS

From the sample plots in the study area in the Jainti Forest of the Buxa Tiger Reserve (BTR) during the entire survey period as much as 413 species of vascular plants from 97 families has the recorded to grow. The taxonomical enumeration of these plants is presented below in alphabetic order for families, genera under each family and species under each genus. Though for the delimitation of families Cronquist's (1988) system of classification has been followed mostly, but the modifications in APG-III system as available in the recent (2014) version of 'The Plant List' were also accepted. For nomenclature, author citation and protologue references mostly IPNI and 'The Plant List' (2014) have been used extensively.

4.1 Classification of Major Taxa

The arrangement of different recorded taxa in the present work in the classification of Cronquist (1988) is given below for Angiosperms and for Pteridophytes it is as per Sermolli (1977) and Ching (1978).

Division PTERIDOPHYTA

Subdivision: Lycopytina

Class: Lycopsidea

Order: Lycopodiales

Lycopodiaceae

Order: Selaginellales

Selaginellaceae

Subdivision: Filicophytina

Class: Ophioglossopsida

Order: Ophioglossales

Ophioglossaceae

Class: Marattiopsida

Order: Marattiales

Marattiaceae

Class: Filicopsida

Order: Pteridales

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Pteridaceae
 Order: Polypodiales
 Polypodiaceae
 Order: Aspidiales
 Thelypteridaceae
 Athyriaceae
 Tectariaceae

Class: MAGNOLIOPSIDA

Subclass: Magnoliidae

Order: Magnoliales
 Magnoliaceae
 Order: Laurales
 Lauraceae
 Myristicaceae
 Order: Piperales
 Chloranthaceae
 Piperaceae
 Order: Ranunculales
 Menispermaceae
 Berberidaceae
 Sabiaceae

Subclass: Hamamelidae [sic: correctly *Hamamelididae*]

Order: Urticales
 Cannabaceae
 Moraceae
 Urticaceae
 Order: Juglandales
 Juglandaceae
 Order: Fagales
 Fagaceae

Subclass: Caryophyllidae

Order: Caryophyllales
 Nyctaginaceae
 Amaranthaceae
 Caryophyllaceae
 Order: Polygonales
 Polygonaceae

Subclass: Dilleniidae

Order: Dilleniales
 Dilleniaceae
 Order: Theales
 Dipterocarpaceae
 Theaceae
 Pentaphylaceae
 Actinidiaceae
 Order: Malvales

Elaeocarpaceae

Malvaceae

Order: Lecythidales

Lecythidaceae

Order: Violales

Tamaricaceae

Cucurbitaceae

Begoniaceae

Order: Salicales

Salicaceae

Order: Capparales

Capparaceae

Cleomaceae

Brassicaceae

Order: Primulales

Primulaceae

Subclass: Rosidae

Order: Rosales

Rosaceae

Order: Fabales

Fabaceae

Order: Myrtales

Lythraceae

Myrtaceae

Melastomaceae

Combretaceae

Order: Rhizophorales

Rhizophoraceae

Order: Cornales

Cornaceae

Order: Euphorbiales

Euphorbiaceae

Phyllanthaceae

Order: Rhamnales

Rhamnaceae

Vitaceae

Order: Sapindales

Sapindaceae

Burseraceae

Anacardiaceae

Simaroubaceae

Meliaceae

Tetrameliaceae

Rutaceae

Order: Geraniales

Oxalidaceae

Balsaminaceae

Order: Apiales
 Araliaceae
 Apiaceae

Subclass: Asteridae

Order: Gentianales
 Loganiaceae
 Apocynaceae

Order: Solanales
 Solanaceae
 Convolvulaceae

Order: Lamiales
 Lamiaceae

Order: Plantaginales
 Plantaginaceae

Order: Scrophulariales
 Scrophulariaceae
 Linderniaceae
 Gesneriaceae
 Acanthaceae
 Bignoniaceae

Order: Rubiales
 Rubiaceae

Order: Asterales
 Asteraceae

Class: LILIOPSIDA

Subclass: Arecidae

Order: Arecales
 Arecaceae

Order: Pandanales
 Pandanaceae

Order: Arales
 Araceae

Subclass: Commelinidae

Order Commelinales
 Commelinaceae

Order Cyperales
 Cyperaceae
 Poaceae

Subclass: Zingiberidae

Order: Zingiberales
 Musaceae
 Zingiberaceae
 Costaceae
 Marantaceae

Subclass: Liliidae

Order: Liliales
 Smilacaceae

Dioscoriaceae
 Order: Orchidales
 Asparagaceae
 Amaryllidaceae
 Hypoxidaceae
 Orchidaceae

4.2 ENUMERATION

4.2.1 Division: PTERIDOPHYTA

For the delimitation of Pteridophyta classification of Singh and Panigrahi (2005) has been followed.

ATHYRIACEAE

Diplazium esculentum (Retzius) Swartz, *J. Bot. (Schrader) 1801(2): 312. 1803. Hemionitis esculenta* Retzius, *Observ. Bot. 6: 38 1791.*

Exsiccatae: Animesh & AP Das 095, dated 19. 01. 2009.

Terrestrial herbs, rhizome erect, fronds caespitose; lamina stiffly herbaceous, glabrous or hairy; costae shallowly grooved, with light brown short hairs; sori mostly linear, slightly curved, from near midribs to laminar margin.

Local distribution: Throughout the forests.

LYCOPODIACEAE

Lycopodiella cernua (Linnaeus) Pichi Sermolli, *Webbia 23(1): 166. 1968. Lycopodium cernuum* Linnaeus, *Sp. Pl. 2: 1103. 1753.*

Exsiccatae: Animesh & AP Das 353, dated 09. 02. 2010.

Plants terrestrial, prefer moist areas; dichotomously branched, glabrous; leaves of lateral branches and branchlets spirally arranged, dense, slightly bent upward, subulate to linear, base decurrent, sessile, margin entire, apex acuminate; strobili solitary, erect, terete, stalked.

Local distribution: Hill forest areas.

MARATTIACEAE

Angiopteris crassipes Wallich ex C. Presl, *Suppl. Tent. Pterid. 23. 1845. L.N.: Gaikhoret*

Exsiccatae: Animesh & AP Das 051, dated 17. 01. 2009.

Terrestrial, fronds large, stipes hirsute; laminae bipinnate; pinnae 60–80 × 20–30 cm, bases cordate, rounded, or truncate, margins usually serrate, apices acute to caudate; sori marginal.

Local distribution: Hill slope and core forest areas.

Angiopteris evecta (G. Forster) Hoffmann, *Commentat. Soc. Regiae Sci. Gott. 12: 29, t. 5. 1794.*

Polypodium evectum G. Forster, *Fl. Ins. Austr. 81. 1786. L.N.: Gaikhoret*

Exsiccatae: Animesh & AP Das 078, dated 18. 01. 2009.

Terrestrial, fronds large, stipes smooth; laminae bipinnate; pinnae 65–70 cm, with 15–30 pairs of spreading pinnules; pinnules 7–20 × 0.9–3.5 cm, bases cordate, rounded to cuneate, margins crenulate to serrate, apices acuminate to caudate; sori marginal.

Local distribution: Hill slope and core forest areas.

OPHIOGLOSSACEAE

Helminthostachys zeylanica (Linnaeus) Hooker, *Gen. Fil., Pl. 47, B. 1842. Osmunda zeylanica* Linnaeus, *Sp. Pl. 2: 1063. 1753. L.N.: Muzurkhutte*

Exsiccatae: Animesh & AP Das 513, dated 28. 09. 2010.

Terrestrial; fronds usually single at rhizome apex; sterile lamina ternate with basal pinnae divided into 3 or 4 pinnules; pinnules lanceolate, 6–20 × 1.5–3 cm, base decurrent, margin irregularly toothed, apex acute; spikelike sporophore arising at top of common stipe.

Local distribution: River side forests.

POLIPODIACEAE

Drynaria quercifolia (Linnaeus) J.E. Smith, *J. Bot. (Hooker)* 3: 398. 1841. *Polypodium quercifolium* Linnaeus, Sp. Pl. 2: 1087. 1753.

Exsiccatae: Animesh & AP Das 322, dated 07. 02. 2010.

Epiphytic herbs, rhizome shortly creeping; lamina pinnatifid, apex aborted; pinnae 5–9 pairs, spreading or slightly ascending, oblanceolate, margin subentire, apex acute or acuminate; sori in 2 rows between costa and margin.

Local distribution: Core forest areas.

Microsorium punctatum (Linnaeus) Copeland, *Univ. Calif. Publ. Bot.* 16(2): 111. 1929. *Acrostichum punctatum* Linnaeus, Sp. Pl., ed. 2, 2: 1524. 1763. L.N.: Rukh jheu

Exsiccatae: Animesh & AP Das 333, dated 07. 02. 2010.

Epiphytic; rhizome shortly creeping, terete, slightly compressed; lamina simple, narrowly obovate to narrowly elliptic, 10–175 × 1.5–15 cm, herbaceous to subleathery, stipe winged, auriculate, margin entire or undulate, apex acuminate to rounded; sori separate, small.

Local distribution: Core forest areas.

Pyrrosia lanceolata (Linnaeus) Farwell, *Amer. Midl. Naturalist* 12(8): 245. 1931. *Acrostichum lanceolatum* Linnaeus, Sp. Pl. 2: 1067. 1753.

Exsiccatae: Animesh & AP Das 347, dated 08. 02. 2010.

Epiphytic herbs, rhizome long creeping; fronds monomorphic, lamina widest at middle, 4–14 × 0.6 cm, base attenuate, long decurrent, apex obtuse; indumentum persistent, monomorphic, dense; sori sunken.

Local distribution: Through out the forests.

PTERIDACEAE

Adiantum cordatum Maxon, *Amer. Fern J.* 21(4): 136. 1931. L.N.: Ranisinka

Exsiccatae: Animesh & AP Das 234, dated 14. 05. 2009.

Plants terrestrial, epilithic; rhizomes erect, short; lamina 1-pinnate, lanceolate in outline, 15–30 × 2–4 cm, base slightly narrow; white ventral side; fronds clustered; false indusia dark brown.

Local distribution: Stream side Hill slope.

Adiantum lunulatum Burman f., *Fl. Indica* 235. 1768.

Exsiccatae: Animesh & AP Das 257, dated 19. 09. 2009.

Plants terrestrial, epilithic; rhizomes densely covered with scales; lamina 1-pinnate, linear-lanceolate in outline, 6–23 × 2–3 cm, base subattenuate, apex acuminate; false indusia dark brown.

Local distribution: Stream side Hill slope.

Pteris elongata C.Presl, *Tent. Pterid.* 145. 1836. L.N.: Lamkane

Exsiccatae: Animesh & AP Das 052, dated 17. 01. 2009.

Plants terrestrial; rhizome erect or ascending; fronds clustered; lamina thinly leathery, base gradually narrowed, apex rounded or obtuse; costa slender, not prominent, veins evident; sori linear, along margin.

Local distribution: Hill forest areas.

SELAGINELLACEAE

Selaginella monospora Spring, *Mém. Acad. Roy. Sci. Belgique* 24: 135. 1850.

Exsiccatae: Animesh & AP Das 370, dated 10. 02. 2010.

Terrestrial; perennial, long creeping; axillary leaves on main stems larger than those on branches, ovate or broadly ovate, base not peltate, obtuse; axillary leaves on branches asymmetrical, ovate or narrowly elliptic, margin denticulate; strobili solitary, terminal, compact.

Local distribution: Hill slope and core forest areas.

TECTARIACEAE

Tectaria gemmifera (A.L.A. Fée) Alston, *J. Bot.* 77: 288. 1939. *Sagenia gemmifera* A.L.A. Fée, *Mém. Foug.* 313. 1850.

Exsiccatae: Animesh & AP Das 465, dated 26. 09. 2010.

Terrestrial; rhizome erect or ascending to creeping; lamina pinnatifid to quadripinnatifid, light green to brown when dried, deltoid, 20–40 × 20–30 cm, herbaceous to thickly papery, apex acute; indusia orbicular-reniform.

Local distribution: Through out the forests.

THELYPTERIDACEAE

Christella dentata (Forsskal) Brownsey & Jermy, *Brit. Fern Gaz.* 10(6): 338. 1973. *Polypodium dentatum* Forsskal, *Fl. Aegypt.-Arab.* 185. 1775. L.N.: *Rukh Ningro*

Exsiccatae: Animesh & AP Das 419, dated 16. 05. 2010.

Plants epilithic; epiphytic; laminae herbaceous to papery, brownish green when dried, shortly hairy adaxially, densely puberulent abaxially; sori orbicular, in 1 row on either side of costa.

Local distribution: Core forest areas.

Thelypteris nudata (Roxburgh) C.V. Morton, *Contr. U.S. Natl. Herb.* 38(7): 352. 1974. *Polypodium nudatum* Roxburgh, *Calcutta J. Nat. Hist.* 4: 491. 1844.

Exsiccatae: Animesh & AP Das 314, dated 22. 09. 2009.

Terrestrial herbs, rhizomes long creeping; laminae herbaceous when dry, green or grayish green, abaxial surface with sparse short setae along veins; spores bilateral, reniform.

Local distribution: Through out the forests.

Trigonospora caudipinna Sledge, *Bull. Brit. Mus. (Nat. Hist.), Bot.* 8(1): 15. 1981.

Exsiccatae: Animesh & AP Das 367, dated 10. 02. 2010.

Terrestrial herbs, rhizomes long creeping, black; laminae dark brown when dry, papery; abaxially rachises, costae, and veins with long hairs, adaxially with dense, appressed setae along costal grooves; indusia membranous, orbicular-reniform, deciduous.

Local distribution: Hill forest areas.

4.2.2 Division: PINOPHYTA

PINACEAE

Pinus roxburghii Charles Sprague Sargent, *Silva N. Amer.* 11: 9. 1897. L.N.: *Pine, Salla*

Exsiccatae: Animesh & AP Das 192, dated 11. 05. 2009.

Trees, winter buds brown, small; needles 3 per bundle; megasporophyll oblong, thick.

Local distribution: Hill slope and core forest areas.

4.2.3 Division: MAGNOLIOPHYTA

4.2.3.1 Class: Magnoliopsida

ACANTHACEAE

Barleria cristata Linnaeus, *Sp. Pl.* 636. 1753. L.N.: *Jhusephool*

Exsiccatae: Animesh & AP Das 088, dated 19. 01. 2009.

Subshrubs; stems terete, branched; leaf blade elliptic to oblong to ovate, apex acute to sometimes acuminate, base cuneate and decurrent onto petiole, axillary short and dense cymes, shortly pedunculate; corolla purplish blue; capsule glabrous.

Local distribution: Road side forest area.

Barleria prionitis Linnaeus, *Sp. Pl.* 636. 1753.

Exsiccatae: Animesh & AP Das 021, dated 17. 01. 2009.

Shrubs; stems and branches terete; leaf blade elliptic to ovate, margin entire, apex acute, base attenuate and decurrent onto petiole; flowers clustered in axils of upper leaves; corolla orange; capsule ovoid.

Local distribution: Stream side forest.

Barleria strigosa Willdenow, *Sp. Pl.* 3: 379. 1800. L.N.: *Satpatrephool / Jhusephool*

Exsiccatae: Animesh & AP Das 072, dated 18. 01. 2009.

Subshrubs, branched; stems subterete, strigose. leaf blade elliptic to ovate, base cuneate and decurrent onto petiole, apex acute; flowers bluish in axillary and terminal dense spikes; capsule ellipsoid, glabrous.

Local distribution: Marginal forest areas and stream side.

Dicliptera bupleuroides Nees, *Pl. Asiat. Rar.* 3: 111. 1832. L.N.: *Panakhuri*

Exsiccatae: Animesh & AP Das 065, dated 18. 01. 2009.

Diffuse annual; stems sulcate; leaf blade ovate, margin subentire, apex acuminate, base cuneate; flowers many in axillary and terminal shortly pedunculate cymose clusters; capsule pilose at tip.

Local distribution: Road side forests.

Eranthemum griffithii (T. Anderson) Bremekamp & Nannenga-Bremekamp, *Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2.* 45(1): 35. 1948. *Daedalacanthus griffithii* T. Anderson, *J. Linn. Soc., Bot.* 9: 486. 1867. L.N.: *Chuaphool*

Exsiccatae: Animesh & AP Das 105, dated 19. 01. 2009.

A large glabrous, erect, shrubs; lamina elliptic or ovate-elliptic, crenulate, acute-acuminate, base attenuate; spikes terminal and axillary; bracts leafy, ovate-elliptic to obovate; flowers bluish purple.

Local distribution: Road side forest area.

Eranthemum pulchellum Andrews, *Bot. Repos.* 2: t. 88. 1800.

Exsiccatae: Animesh & AP Das 079, dated 18. 01. 2009.

Shrubs, erect, less branched; stem terete, 4-angled on young stems; lamina elliptic or ovate-elliptic, entire or crenulate, acute to acuminate, basally attenuate; flowers blue in branched panicle; capsule ca. 12-15 mm.

Local distribution: Throughout the forests.

Justicia adhatoda Linnaeus, *Sp. Pl.* 15. 1753. L.N.: *Basak*

Exsiccatae: Animesh & AP Das 301, dated 22. 09. 2009.

Small, erect, branched, shrubs; branches thickened, lenticellate, pubescent when young but soon glabrescent; leaf blade ovate to elliptic-ovate, entire, acuminate and sometimes slightly falcate, base broadly cuneate; terminal or axillary spikes; corolla white; capsule obovoid.

Local distribution: Road side forest area.

Lepidagathis incurva Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 119. 1825. L.N.: *Jhuse*

Exsiccatae: Animesh & AP Das 045, dated 17. 01. 2009.

Annual herbs; leaves with 1-2 cm long petiole; lamina speckled with white, lanceolate-oblong to broadly lanceolate-ovate, entire, acute; spikes elongate, secund; flower white; capsule oblong.

Local distribution: Marginal forests and stream side areas.

Nelsonia canescens (Lamarck) Sprengel, *Syst. Veg.* 1: 42. 1824. *Justicia canescens* Lamarck, *Tabl. Encycl.* 1: 41. 1791.

Exsiccatae: Animesh & AP Das 376, dated 14. 05. 2010.

Creeping annual herbs, softly hairy; subterete; leaf blade elliptic to ovate, entire, acute, base cuneate; spikes terminal and axillary; flower bluish purple; capsule.

Local distribution: Road side forest area.

Phlogacanthus thyriformis (Roxburgh ex Hardwicke) Mabberley, *Bot. Hist. Hortus Malabaricus* 189. 1980. *Justicia thyriformis* Hardwicke, *Asiat. Res.* 6: 349. 1799. L.N.: *Chuaphool*

Exsiccatae: Animesh & AP Das 324, dated 07. 02. 2010.

Long, erect, weak, less branched, shrubs; leaves often crowded near branch tips; lamina ovoid to elliptic, smooth, shortly acuminate at both ends; thyrses terminal, many flowered; flowers orange-red, tubular; capsule narrowly clavate.

Local distribution: Road side forests and stream side areas.

Rhinacanthus calcaratus Nees, *Prodr.* 11: 444. 1847.

Exsiccatae: Animesh & AP Das 404, dated 16. 05. 2010.

Perennial, erect, branched herbs; lamina broadly ovate to oblong, entire, acute, base cuneate and decurrent onto petiole; thyrses terminal; flowers bluish purple; capsule clavate, pubescent.

Local distribution: Marginal forests and stream side areas.

Rungia pectinata (Linnaeus) Nees, *Prodr.* 11: 470. 1847. *Justicia pectinata* Linnaeus, *Amoen. Acad.* 4: 299. 1760. L.N.: *Dandis jhaar*

Exsiccatae: Animesh & AP Das 003, dated 17. 01. 2009.

Small, annual diffuse herbs; stem basally prostrate, rooting at nodes; leaf blade oblong-elliptic, entire, acute, base cuneate and decurrent onto petiole; spikes axillary and terminal, second; corolla pinkish; capsule ellipsoid.

Local distribution: River side forest areas.

ACTINIDIACEAE

Saurauia roxburghii Wallich, *Pl. Asiat. Rar.* 2: 40. 1831. L.N.: *Gagunpate*

Exsiccatae: Animesh & AP Das 530, dated 29. 09. 2010.

Small tree; stem densely tomentose, sparsely scaly; lamina broadly or narrowly elliptic-oblong, remotely setose-serrate, abruptly acuminate, base obtuse to rounded, symmetrical to oblique, leathery; cymose clusters axillary and from old stem; flowers translucent white; fruit berry, globose or depressed-globose, usually ribbed.

Local distribution: Core forest areas.

AMARANTHACEAE

Achyranthes bidentata Blume, *Bijdr.* 545. 1826.

Exsiccatae: Animesh & AP Das 266, dated 20. 09. 2009.

Perennial herbs; stem green or tinged with purple; leaf blade elliptic or elliptic-lanceolate, rarely oblanceolate, base cuneate or broadly cuneate, caudate; racemes densely flowered; utricles yellowish brown.

Local distribution: Road side forests and stream side areas.

Alternanthera philoxeroides (C. Martius) Grisebach, *Abh. Königl. Ges. Wiss. Göttingen* 24: 36. 1879. *Bucholzia philoxeroides* C. Martius, *Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur.* 13(1): 107. 1825.

Exsiccatae: Animesh & AP Das 247, dated 19. 09. 2009.

Perennial herbs, prefer moist areas; stem ascending, internode hollowed; leaf blade oblong, oblong-obovate, or ovate-lanceolate, entire, acute or obtuse, base attenuate; heads solitary, peduncled at leaf axil, globose; tepals white.

Local distribution: Stream side forests.

Amaranthus viridis Linnaeus, *Sp. Pl. ed. 2:1405.* 1763.

Exsiccatae: Animesh & AP Das 278, dated 20. 09. 2009.

Stem erect, green or somewhat tinged purple; leaf blade ovate, ovate-oblong, or ovate-elliptic, entire or slightly undulate, notched or rounded, with a pointed mucro, base broadly cuneate or subtruncate; complex terminal thyrses of erect and branched slender spikes, green; utricles green, globose, slightly compressed, very rugose, indehiscent.

Local distribution: Marginal forests and stream side areas.

ANACARDIACEAE

Mangifera indica Linnaeus, *Sp. Pl.* 200. 1753. L.N.: *Aanp*

Exsiccatae: Animesh & AP Das 106, dated 19. 01. 2009.

Spreading trees; leaf blade oblong to oblong-lanceolate, entire, undulate, acute to long acuminate, base cuneate to obtuse, leathery; panicle, terminal, much branched; flowers polygamous petals light yellow; drupe oblong to subreniform.

Local distribution: Core forest areas.

Mangifera sylvatica Roxburgh, *Fl. Ind., ed. 1820 2: 438. 1824.* L.N.: *Chuche Aanp*

Exsiccatae: Animesh & AP Das 005, dated 17. 01. 2009.

Trees; panicles, leaf blade lanceolate to oblong-lanceolate, entire, acuminate, base cuneate, thinly leathery; terminal, glabrous, with slender primary branches; petals white; drupe oblique, ovate.

Local distribution: River side forest areas.

Semecarpus anacardium Linnaeus f., *Suppl. Pl.* 182. 1782. L.N.: *Bhalayo*

Exsiccatae: Animesh & AP Das 069, dated 18. 01. 2009.

Deciduous trees; leaves large, lamina obovate, entire, slightly revolute, truncate to retuse, base attenuate, leathery, glabrous on both surfaces; panicles terminal; male flower sessile, yellowish green; drupe subglobose, yellowish green.

Local distribution: Core forest areas.

Spondias pinnata (Linnaeus f.) Kurz, *Prelim. Rep. Forest Pegu Appendix A: 44, Appendix B: 42. 1875.* *Mangifera pinnata* Linnaeus f., *Suppl. Pl.* 156. 1782.

Exsiccatae: Animesh & AP Das 048, dated 17. 01. 2009.

Deciduous trees; leaflet blade ovate-oblong to elliptic-oblong often oblique, serrate or entire, acuminate, base cuneate to rounded; panicles terminal with spreading branches; flowers subsessile, white; drupe ellipsoid to elliptic-ovoid.

Local distribution: River side forests.

Sorindeia madagascariensis Thouars ex de Candolle, *Prodr.* 2: 80. 1825.

Exsiccatae: Animesh & AP Das 027, dated 17. 01. 2009.

Small shrubs to small trees; leaves imparipinnate; leaflets membranous to chartaceous, subopposite or usually alternate, entire and not thickened at the undulate margin, all rounded or obtuse to acuminate at the apex, oblong or obovate, cuneate at the base; panicles, terminal, sparsely branched; flowers very small, red; drupe bright yellow, ellipsoid, acute, apiculate.

Local distribution: Core forest areas.

ANNONACEAE

Artabotrys caudatus Wallich ex Hooker f. & Thomson, *Fl. Ind. 1: 129. 1855.* L.N.: *Kali Lahara*

Exsiccatae: Animesh & AP Das 517, dated 29. 09. 2010.

Spreading lianas; lamina elliptic, oblong-lanceolate, caudate, base cuneiform; flowers many in 2 fascicles, green, maturing to yellow; fruits mericarps, elliptic.

Local distribution: Road side forest area.

Desmos chinensis Loureiro, *Fl. Cochinch.* 352. 1790. L.N.: *Janglee Baigun*

Exsiccatae: *Animesh & AP Das* 260, dated 19. 09. 2009.

Medium woody climbers; branches stout, sparsely hairy when young, with raised grayish white lenticels; lamina oblong to elliptic, rarely broadly ovate, abaxially glaucous and sparsely appressed hairy, acute to acuminate, base rounded to slightly oblique, membranous; 1-flowered cymes in superaxillary or leaf-opposed; flower pale yellow; monocarps ellipsoid or moniliform.

Local distribution: Road side forest area.

Goniothalamus sesquipetalis (Wallich) Hooker f. & Thomson, *Fl. Ind.* 1: 108. 1855. *Guatteria sesquipetalis* Wallich, *Pl. Asiat. Rar.* 3: t. 266. 1832. L.N.: *Janglee Aaru*

Exsiccatae: *Animesh & AP Das* 374, dated 10. 02. 2010.

Trees; lamina obovate, densely rust-colored hirsute, caudate or shortly acuminate, base cuneate, papery; flowers 1 or many in cymose axillary or extra-axillary fascicles; flower greenish yellow; fruiting carpels oblongelliptic.

Local distribution: Core forest areas.

Polyalthia simiarum (Buchanan-Hamilton ex Hooker f. & Thomson) Bentham ex Hooker f. & Thomson in J. D. Hooker, *Fl. Brit. India* 1: 63. 1872. *Guatteria simiarum* Buchanan-Hamilton ex J. D. Hooker & Thomson, *Fl. Ind.* 1: 142. 1855.

Exsiccatae: *Animesh & AP Das* 217, dated 14. 05. 2009.

Tall trees; bark grayish white; branches puberulent when young; leaves large glossy; lamina ovate-oblong, oblong, lanceolate or oblanceolate, acuminate, shortly acuminate, or obtuse, base rounded to broadly cuneate and sometimes oblique, membranous ovoid to ovoid-ellipsoid; cymose fascicles on axillary or on old or short branches; flowers numerous, yellowish green; monocarpic fruit.

Local distribution: Core forest areas.

Uvaria hamiltonii Hooker f. & Thomson, *Fl. Ind.* 1: 96. 1855.

Exsiccatae: *Animesh & AP Das* 133, dated 06. 02. 2009.

Climbing shrubs, scandent; aromatic leaves elliptic-oblong or obovate, entire, acute or acuminate, base round; cymes leaf-opposed, 2 flowered; flowers yellowish; berries syncarpus.

Local distribution: Hill forest areas.

APIACEAE

Centella asiatica (Linnaeus) Urban, *Fl. Bras.* 11(1): 287. 1879. *Hydrocotyle asiatica* Linnaeus, *Sp. Pl.* 1: 234. 1753. L.N.: *Ghortapre*

Exsiccatae: *Animesh & AP Das* 162, dated 07. 02. 2009.

Perennial rosette herbs; runners slender, rooting at nodes; lamina orbicular or reniform, base broadly cordate, coarsely toothed; umbels 3–4-flowered; flowers subsessile, redish.

Local distribution: Moist areas of river valley.

APOCYNACEAE

Alstonia scholaris (Linnaeus) Robert Brown, *Asclepiadeae* 75. 1810. *Echites scholaris* Linnaeus, *Mant. Pl.* 1: 53. 1767. L.N.: *Chatium*

Exsiccatae: *Animesh & AP Das* 115, dated 20. 01. 2009.

Robust spreading trees with of many leaves; bark gray; branchlets copiously lenticellate; leaves in whorls of 3-10; lamina narrowly obovate to very narrowly spatulate, usually rounded, base cuneate, leathery; cymes terminal, dense, pubescent; flower white; follicles distinct, linear.

Local distribution: Road side forest areas.

Calotropis gigantea (Linnaeus) Dryander, *Hortus Kew.* 2:78. 1811. *Asclepias gigantea* Linnaeus, *Sp. Pl.* 1: 214. 1753. L.N.: *Aankh*

Exsiccatae: Animesh & AP Das 201, dated 12. 05. 2009.

Shrubs with thickly cottony stems and leaves; lamina obovate-oblong or oblong, obtuse, base cordate, cottony tomentose when young; cymes umbellate; flowers bud cylindric, purplish; follicles obliquely elliptic to oblong-lanceolate in outline.

Local distribution: Road side forest areas.

Chonemorpha fragrans (Moon) Alston, *Ann. Roy. Bot. Gard. (Peradeniya)* 11: 203. 1929. *Echites fragrans* Moon, *Cat. Pl. Ceylon* 20. 1824. L.N.: *Jhuse Lahara*

Exsiccatae: Animesh & AP Das 116, dated 20. 01. 2009.

Woody, much branched liana; leaf blade suborbicular to broadly ovate, acute or rounded, cuspidate, base cordate; flowers in terminal umbellate cymes; corolla white; follicles cylindric to fusiform.

Local distribution: Core forest areas.

Holarrhena pubescens Wallich ex G.Don, *Gen. Hist.* 4: 78. 1837. L.N.: *Khirra*

Exsiccatae: Animesh & AP Das 180, dated 11. 05. 2009.

Medium trees; branches with whitish, dotlike lenticels; leaves large, broad; lamina ovate or elliptic, acute or obtuse, pubescent, base rounded, membranous; cymes in terminal branch, spreading; flower white; follicles linear.

Local distribution: Hill forest areas.

Hoya parasitica Wallich ex G.W. Traill, *Trans. Hort. Soc. London* 7: 23. 1830. L.N.: *Chepti*

Exsiccatae: Animesh & AP Das 221, dated 14. 05. 2009.

Shrubby epiphytic climber, laxly branched; lamina ovate-oblong, succulent, apex acute to acuminate, base cuneate; flowers in globose clusters, white, fragrant; follicles linear-lanceolate in outline.

Local distribution: Core areas of forest.

Hoya linearis Wallich ex D. Don, *Prodr. Fl. Nepal.* 130. 1825.

Exsiccatae: Animesh & AP Das 063, dated 18. 01. 2009.

Stems hanging; stems hanging, puberulent; leaves linear-terete; lamina linear, mucronate, base cuneate, leathery; pseudumbels terminal, sessile; flowers in pendulous umbel, many, white, fragrant; follicles lanceolate.

Local distribution: Hill forest areas.

Ichnocarpus frutescens (Linnaeus) W.T. Aiton, *Hortus Kew.* 2: 69. 1811. *Apocynum frutescens* Linnaeus, *Sp. Pl.* 1: 213. 1753.

Exsiccatae: Animesh & AP Das 042, dated 17. 01. 2009.

Woody liana, profusely branched, branches pubescent when young; leaves much variable; lamina pubescent or glabrous abaxially; many flowered clusters in much branched peduncle; corolla white; follicles cylindric.

Local distribution: Throughout the forests.

Rauvolfia serpentina (Linnaeus) Bentham ex Kurz, *Forest Fl. Burma* 2: 171. 1877. *Ophioxylon serpentinum* Linnaeus, *Sp. Pl.* 2: 1043. 1753. L.N.: *Nagbeli, Sarpagandha*

Exsiccatae: Animesh & AP Das 073, dated 18. 01. 2009.

Suffrutescent under-shrubs; stems less branched, slender, straw colored; leaves grouped near stem apex, in whorls of 3-5; lamina narrowly elliptic or obovate, acuminate or rarely obtuse, base cuneate, membranous; cymes congested, reddish; corolla white; drupes ellipsoid.

Local distribution: Rare common; river valley and hill forest areas.

Tabernaemontana divaricata (Linnaeus) R. Brown ex Roemer & Schultes, *Syst. Veg.* 4: 427. 1819. *Nerium divaricatum* Linnaeus, *Sp. Pl.* 1: 209. 1753. L.N.: *Thulo Baromasey Phool*

Exsiccatae: Animesh & AP Das 157, dated 07. 02. 2009.

Large shrubs, profusely branched; bark whitish; lamina elliptic or narrowly so, acuminate; flowers in spreading cymose corymb; buds with an ovoid head, flowers white; follicles obliquely and narrowly ellipsoid.

Local distribution: Throughout the forests.

Tylophora indica (Burman f.) Merrill, *Philipp. J. Sci.* 19: 373. 1921. *Cynanchum indicum* Burman f., *Fl. Indica* 70. 1768.

Exsiccatae: Animesh & AP Das 239, dated 19. 09. 2009.

Shrubby climber, leaves ovate-oblong to elliptic-oblong, with a narrow tip, heart-shaped at base; branches slender; cymose umbels extra-axillary; flowers yellow; follicle ovoid-lance-shaped

Local distribution: Road side forest areas.

Wrightia arborea (Dennstaedt) Mabberley, *Taxon* 26: 533. 1977. *Periploca arborea* Dennstedt, Schlüssel Hortus Malab. 13, 23, 25. 1818. L.N.: *Seto Khirra*

Exsiccatae: Animesh & AP Das 123, dated 05. 02. 2009.

Small trees; branches gray or brown, pubescent, lenticellate; lamina elliptic to broadly so or obovate, pubescent to glabrescent adaxially; cymes pubescent; flowers yellowish; follicles broad.

Local distribution: Marginal forests and stream side areas.

ARALIACEAE

Schefflera pubigera (Brongniart ex Planchon) Frodin, *World Checklist Bibliogr. Araliaceae* 368. 2003 publ. 2004. *Paratropia pubigera* Brongniart ex Planchon, *Hort. Donat.* 11. 1858. L.N.: *Kurshimal*

Exsiccatae: Animesh & AP Das 130, dated 05. 02. 2009.

Shrubby evergreen epiphytes; leaves palmate, 5 - 7, narrowly obovate to narrowly elliptic, entire, acuminate, base cuneate to acute, papery to subleathery; umbels in terminal panicle; flowers whitish.

Local distribution: Core areas of forest.

Trevesia palmata (Roxburgh ex Lindley) Visiani, *Mem. Reale Accad. Sci. Torino II*, 4: 262. 1842. *Gastonia palmata* Roxburgh ex Lindley, *Bot. Reg.* 11: t. 894. 1825. L.N.: *Magare*

Exsiccatae: Animesh & AP Das 087, dated 19. 01. 2009.

Small evergreen trees, sparsely branched; leaves simple, large, palmately lobed, serrate, acuminate, leathery; umbels in large panicles, 25-45 flowered; flowers yellowish; fruit subglobose to compressed-globose.

Local distribution: Core areas of forest.

ASTERACEAE

Acmella uliginosa (Swartz) Cassini, *Dict. Sci. Nat.*, ed. 2. 24: 331. 1822. *Spilanthes uliginosa* Swartz, *Prodr.* 110. 1788. L.N.: *Illame Jhaar*

Exsiccatae: Animesh & AP Das 004, dated 17. 01. 2009.

Annual herbs; lower stem prostrate, branches semierect, diffuse; lamina lanceolate, narrowly ovate to ovate, glabrous to sparsely pilose on both surfaces, margin sinuate to dentate, sparsely ciliate, acute to acuminate, base attenuate to cuneate; capitula terminal on main and axillary shoots; ray corolla truncate, shallowly 3 dentate; disc corolla 4 merous, yellow; achenes black.

Local distribution: Road side forest areas.

Ageratum conyzoides Linnaeus, *Sp. Pl.* 839. 1753. L.N.: *Aalu jhaar*

Exsiccatae: Animesh & AP Das 037, dated 17. 01. 2009.

Annual erect hispid herbs, less branched below; median leaves ovate, elliptic, or oblong; leaf margin crenate-serrate, acute, base obtuse or broadly cuneate; capitula in terminal umbels; all disc florates, corolla whitish or blue; achenes black.

Local distribution: Road side forest areas.

Aster albescens (de Candolle) Wallich ex Handel-Mazzetti, *Acta Horti Gothob.* 12: 205. 1938. *Amphirhapis albescens* de Candolle, *Prodr.* 5: 343. 1836. L.N.: *Chiaphool*

Exsiccatae: Animesh & AP Das 034, dated 17. 01. 2009.

Erect shrubs, unbranched, hispid; leaves reduced distally, sessile; lamina ovate, flat to revolute, acute to acuminate, base cuneate or attenuate; capitulum terminal; ray corollas white, disc corollas yellow; achenes obovoid.

Local distribution: Core areas of forest.

Bidens pilosa Linnaeus, *Sp. Pl.* 2: 832. 1753.

Exsiccatae: Animesh & AP Das 039, dated 17. 01. 2009.

Annual, erect, much branched; leaves palmate; serrate or entire, apices acute to attenuate, bases truncate to cuneate; capitula long peduncled, crowded upwards; discs yellow, rays white; achenes blackish, linear-fusiform.

Local distribution: Throughout the open forests.

Blumea lanceolaria (Roxburgh) Druce, *Rep. Bot. Exch. Cl. Brit. Isles* 1916, 609. 1917. *Conyza lanceolaria* Roxburgh, *Fl. Ind.*, ed. 1832, 3: 432. 1832. L.N.: *Putus phool*

Exsiccatae: Animesh & AP Das 024, dated 17. 01. 2009.

Perennial, erect herbs, woody at base, hollow in center; basal leaves in rosette, oblanceolate; leaf margin minutely serrate-dentate, acuminate, base attenuate into auriculate; capitula in terminal panicle; flowers yellow; achenes oblong.

Local distribution: Road side forest areas.

Chromolaena odorata (Linnaeus) R.M. King & H. Robinson, *Phytologia* 20: 204. 1970. *Eupatorium odoratum* Linnaeus, *Syst. Nat.*, ed. 10, 2: 1205. 1759.

Exsiccatae: Animesh & AP Das 001, dated 17. 01. 2009.

Large suffrutescent herbs, rhizomes robust; leaves opposite; lamina broadly triangular-ovate, irregularly crenate or entire, acute, base truncate or shallowly cordate, odorous; capitula densely corymbs at branch-tips; all disc florates, corolla whitish; achenes black-brown.

Local distribution: Road side forest areas.

Cissampelopsis buimalia (Buchanan-Hamilton ex D. Don) C. Jeffrey & Y.L.Chen, *Kew Bull.* 39(2): 348. 1984. *Senecio buimalia* Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 178. 1825.

Exsiccatae: Animesh & AP Das 022, dated 17. 01. 2009.

Annual, erect herbs; stems becoming woody, white tomentose; upper leaves smaller, ovate to lanceolate, basally cordate to cuneate; lamina abaxially grayish white, adaxially deep green, ovate or ovate-triangular, abaxially arachnoid, margin ± sinuate-denticulate with mucronulate teeth, acute-acuminate-apiculate base cordate, thinly papery; capitulum solitary, terminal; ray florates 5, disc florates 14 – 16, corolla yellow; achenes cylindrical.

Local distribution: Core areas of forest.

Conyza leucantha (D. Don) Ludlow & P.H. Raven, *Kew Bull.* 17: 71. 1963. *Erigeron leucanthus* D. Don, *Prodr. Fl. Nepal.* 171. 1825.

Exsiccatae: Animesh & AP Das 056, dated 17. 01. 2009.

Perennial, erect herbs; lamina elliptic-oblong to ovate or lanceolate, serrate to serrulate, teeth mucronulate, acuminate, base cuneate to attenuate; capitulum in terminal corymb; ray florates white, filiform, disc florates 5 toothed; achenes straw-colored to pale brown, lanceolate, compressed.

Local distribution: Hill slope and core forest areas.

Cyanthillium cinereum (Linnaeus) P.H. Robinson, *Proc. Biol. Soc. Wash.* 103: 252. 1990. *Conyza cinerea* Linnaeus, *Sp. Pl.* 862. 1753.

Exsiccatae: Animesh & AP Das 041, dated 17. 01. 2009.

Annual, erect herbs, less branched; lamina hombic-ovate, rhombic-oblong or ovate, remotely mucronate-serrate, or repand, acute or slightly obtuse, base cuneately attenuate into winged petiole; few capitulum in terminal corymb; capitula all disc, bluish; achenes cylindrical.

Local distribution: Throughout the forests.

Elephantopus scaber Linnaeus, *Sp. Pl.* 2: 814. 1753.

Exsiccatae: Animesh & AP Das 007, dated 17. 01. 2009.

Annual rosette herbs; stems erect, branched, densely white adpressed hirsute; lamina oblong-obovate, crenate-serrate, rounded or shortly acute, base gradually attenuate; flowering shoot erect, unbranched; compound capitula in dense terminal umbel; florates white; achenes oblong-linear, angled.

Local distribution: Throughout the forests.

Mikania micrantha Kunth, *Nov. Gen. Sp.* [H.B.K.] 4(15): 105. (ed. fol.). 1818; later publ. 4(15): 134 (ed. qto.). 1820. L.N.: *Mikani Larang*

Exsiccatae: Animesh & AP Das 002, dated 17. 01. 2009.

Profusely branched large herbaceous climber; stems yellowish or brownish, usually terete; leaves opposite; lamina ovate, margin entire to coarsely dentate, shortly acuminate, base cordate; capitula forms compound corymbs; flowers dirty-white; achenes 4-ribbed with many scattered glands.

Local distribution: Road side forest areas.

Tridax procumbens Linnaeus, *Sp. Pl.* 900. 1753.

Exsiccatae: Animesh & AP Das 008, dated 17. 01. 2009.

Annual, procumbent, less branched herbs; leaves few, shortly petiolate; lamina ovate to ovate-lanceolate, deeply irregularly serrate, acute or acuminate, base cuneate; capitulum solitary on long peduncle; ray corolla truncate, shallowly 3 dentate; disc corolla 4 merous, yellow; achenes brown, oblong.

Local distribution: Through out the forests.

BALSAMINACEAE

Impatiens trilobata Colebrooke, *Exot. Fl.* 2: t. 141. 1825.

Exsiccatae: Animesh & AP Das 165, dated 07. 02. 2009.

Annual, erect herbs; leaves alternate, lamina lanceolate, narrowly elliptic, or oblanceolate, deeply serrate, acuminate, base cuneate; cymes 2-flowered from leaf axils, without peduncles; flowers pink; capsule broadly fusiform.

Local distribution: Throughout the forests.

BEGONIACEAE

Begonia picta J.E. Smith, *Exot. Bot.* 2: 81. 1806. L.N.: *Rato Magarkanche*

Exsiccatae: Animesh & AP Das 407, dated 16. 05. 2010.

Annual, deciduous succulent herbs, stem short; leaves 1 or 2, basal or cauline; lamina ovate-cordate, slightly asymmetric, bidentate, acuminate, base slightly oblique, cordate to deeply cordate; inflorescences terminal; outer perianth segment broadly elliptic, pink; capsule pendulous, obovoid.

Local distribution: Hill forest areas.

Begonia satrapis C.B. Clarke, *Fl. Brit. India* 2: 638. 1879.

Exsiccatae: Animesh & AP Das 409, dated 16. 05. 2010.

Annual, deciduous succulent herbs, stem short; lamina ovate-cordate, slightly asymmetric, bidentate, acuminate, base slightly oblique, cordate to deeply cordate; inflorescences glabrous, peduncle elongated; outer perianth segment elliptic, flowers pink; capsule pendulous, obovoid.

Local distribution: Hill slope and core forest areas.

Begonia sikkimensis Alphonse de Candolle, *Ann. Sci. Nat., Bot.* IV, 11: 134. 1859.

Exsiccatae: Animesh & AP Das 049, dated 17. 01. 2009.

Annual, succulent herbs, stem unbranched; leaves basal and cauline; lamina suborbicular, slightly asymmetric, remotely and shallowly denticulate, long acuminate, base shallowly cordate; peduncle 8-12 cm; staminate flowers, outer perianth segment elliptic, pink; capsule nodding, obovoid-oblong.

Local distribution: Hill slope and core forest areas.

BERBARIDACEAE

Mahonia napaulensis de Candolle, Syst. Nat. 2: 21. 1821. L.N.: *Chutro*

Exsiccatae: Animesh & AP Das 468, dated 26. 09. 2010.

Erect, profusely branched shrubs; leaves green, elliptic to ovate; leaflets oblong, oblong-ovate, or ovate to ovate-lanceolate, oblique, with 3-10 teeth on each side, acute, acuminate, or cuspidate, base broadly cuneate, rounded, or sometimes subcordate; racemes 3 – 18, fascicled; flowers yellow; berry bluish black, pruinose, oblong.

Local distribution: Hill forest areas.

BIGNONIACEAE

Oroxylum indicum (Linnaeus) Kurz, *Forest Fl. Burma* 2: 237. 1877. *Bignonia indica* Linnaeus, Sp. Pl. 2: 625. 1753. L.N.: *Totala*

Exsiccatae: Animesh & AP Das 057, dated 17. 01. 2009.

Small trees, branching on upper part; bark gray-brown; leaves pinnately compound, borne nearly at stem apex; lamina triangular-ovate, entire, short acuminate, base subrounded or cordate; racemes long, terminal; flowers night blooming, purple-red, tube fleshy; capsule woody.

Local distribution: Hill forest areas.

Stereospermum tetragonum de Candolle, *Biblioth. Universelle Genève n.s.*, 17: 124. 1838. L.N.: *Parari*

Exsiccatae: Animesh & AP Das 471, dated 26. 09. 2010; 154, dated 07. 02. 2009.

Medium trees; lamina long elliptic, entire, acuminate, base cuneate; flowers many in lax terminal or axillary panicle; corolla white with purplish markings; Capsule terete, 4-angular, slightly curved.

Local distribution: Hill forest areas.

BRASSICACEAE

Cardamine hirsuta Linnaeus, Sp. Pl. 655. 1753. L.N.: *Simsare*

Exsiccatae: Animesh & AP Das 047, dated 17. 01. 2009.

Annual, semierect herbs; basal leaves rosulate; lamina lyrate-pinnatisec, terminal lobe reniform or orbicular, entire, repand, dentate; racemes erect or ascending, terminal; flowers white; pedicels erect or ascending.

Local distribution: Stream side hill slopes.

Rorippa indica (Linnaeus) Hiern, *Cat. Afr. Pl. 1: xxvi. 1896. Sisymbrium indicum* Linnaeus, Sp. Pl., ed. 2, 2: 917. 1763.

Exsiccatae: Animesh & AP Das 297, dated 21. 09. 2009.

Annual, erect herbs, branched; basal leaves withered by flowering lamina lyrate-pinnatipartite or undivided, obovate, oblong, or lanceolate, entire, irregularly crenate, or serrate, obtuse or subacute; terminal lobe oblong, elliptic, or oblong-lanceolate, auriculate; racemes terminal; flowers ebracteate, yellow; fruit linear, often curved upward.

Local distribution: River Valley.

BURSERACEAE

Canarium sikkimense King, *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 62(2): 187. 1893. L.N.: Charpate Arari*

Exsiccatae: Animesh & AP Das 427, dated 17. 05. 2010.

Trees; lamina lanceolate, elliptic, or ovate, entire, acuminate, base rounded or obliquely cuneate; inflorescences axillary, cymose panicles in male plants; flowers whitish; drupe ovoid.

Local distribution: Core areas of forest.

Garuga floribunda var. *gamblei* (King ex W.W. Smith) Kalkman, *Blumea* 7: 466. 1953. *Garuga gamblei* King ex Smith, *Rec. Bot. Surv. India* 4: 262. 1911. L.N.: *Dabdabe*

Exsiccatae: *Animesh & AP Das* 369, dated 10. 02. 2010.

Deciduous trees; lamina elliptic or oblong-lanceolate, serrate, acuminate, base rounded, oblique, membranous or papery; panicles lateral or axillary towards the end of branches; petals ovate, pale yellow; fruit nearly globose.

Local distribution: Core areas of forest.

Garuga pinnata Roxburgh, *Pl. Coromandel* 3: 5. 1811. L.N.: *Dabdabe*

Exsiccatae: *Animesh & AP Das* 483, dated 26. 09. 2010.

Deciduous trees; bark gray-brown, rough; leaves with 9-23 leaflets, pubescent with long hairs when young; lamina spoon-shaped or linear, sparsely serrate, usually narrowly acuminate, base rounded, sometimes obliquely cuneate; panicles lateral or axillary towards the end of branches; petals elliptic, yellow; fruit globose, yellow when ripe.

Local distribution: Core areas of forest.

CANNABACEAE

Celtis tetrandra Roxburgh, *Fl. Ind.* 2: 63. 1824. L.N.: *Khari*

Exsiccatae: *Animesh & AP Das* 317, dated 07. 02. 2010.

Small, deciduous trees; bark grayish white; lamina ovate-elliptic, ovate-lanceolate, entire or obtusely serrate, teeth 0-13 on each side, acuminate to shortly caudate-acuminate, base oblique with one side \pm rounded and other cuneate; flowers fascicled, occasionally in racemes of 2 or 3-flowers; petals whitish; drupe yellow to orange when mature.

Local distribution: Hill slope and core areas of forest.

Celtis timorensis Spanoghe, *Linnaea* 15: 343. 1841.

Exsiccatae: *Animesh & AP Das* 509, dated 28. 09. 2010.

Small, deciduous trees; margin entire or weakly serrate above middle and with 15 low rounded teeth on each side, acuminate to caudate-acuminate; cymes branched, 8–12 flowered, monoecious; petals whitish; drupe yellow, becoming red to orange-red when mature, broadly ovoid.

Local distribution: Hill slope and core areas of forest.

Trema politoria (Planchon) Blume, *Mus. Bot.* 2: 58. 1856. *Sponia politoria* Planchon, *Ann. Sci. Nat.* 10: 326. 1848. L.N.: *Bhale Khanyo*

Exsiccatae: *Animesh & AP Das* 523, dated 29. 09. 2010.

Small, deciduous trees; lamina lanceolate, denticulate, acuminate to acute, base cordate and oblique, leathery and fragile, abaxially grayish white to grayish green when dry; cymes axillary; flowers unisexual or polygamous, shortly pedicellate, whitish; drupes black when mature, globose to ovoid-globose, compressed.

Local distribution: Hill slope and core areas of forest.

CAPPARACEAE

Capparis acutifolia Sweet, *Hort. Brit. ed.* 2: 585. 1830. L.N.: *Daringpate*

Exsiccatae: *Animesh & AP Das* 160, dated 07. 02. 2009.

Large shrubs, braches weak; twigs pale yellowish green when dry, terete, spineless or sometimes with straight or ascending stipular spines; lamina oblong-lanceolate to ovate-lanceolate, rounded acute to acuminate, base cuneate to sometimes; racemes axillary or terminal; flower buds oblong; flowers white; fruit red, subglobose.

Local distribution: River side forests.

Crateva religiosa G. Forster, *Fl. Ins. Austr.* 35. 1786. L.N.: *Chipley*

Exsiccatae: *Animesh & AP Das* 193, dated 11. 05. 2009.

Small trees; twigs light greenish to yellowish green when dried, with gray elongated lenticels; lamina as long as wide, acuminate to abruptly acuminate, thin and leathery; flowers in racemes or corymbs, open as leaves emerge, white; fruit surface lenticellate.

Local distribution: River side forests.

Stixis suaveolens (Roxburgh) Pierre, *Bull. Mens. Soc. Linn. Paris* 1: 654. 1887. *Roydsia suaveolens* Roxburgh, *Pl. Coromandel* 3: 87. 1819.

Exsiccatae: Animesh & AP Das 366, dated 10. 02. 2010.

Woody vines, stout, terete; lamina elliptic, oblong, or oblong-lanceolate, nearly rounded, base cuneate to nearly rounded, leathery; racemes axillary, or sometimes forming panicles; flowers yellowish; fruit orange when mature, ellipsoid.

Local distribution: Core areas of forest.

CARYOPHYLLACEAE

Drymaria cordata subsp. *diandra* (Blume) J.A. Duke, *Ann. Missouri Bot. Gard.* 48: 253. 1961.

Drymaria diandra Blume, *Bijdr.* 62. 1825. L.N.: *Halmale saag*

Exsiccatae: Animesh & AP Das 258, dated 19. 09. 2009.

Annual diffuse herbs; stems straggling; lamina ovate-cordate, prominently 3—5-veined from base; cymes terminal; flowers white; capsule ovoid.

Local distribution: River valley.

Stellaria media (Linnaeus) Villars, *Hist. Pl. Dauphiné* 3: 615. 1789. *Alsine media* Linnaeus, *Sp. Pl.* 1: 272. 1753. L.N.: *Aalujhaar*

Exsiccatae: Animesh & AP Das 396, dated 15. 05. 2010.

Annual diffuse herbs; stems decumbent or ascending; basal leaves long petiolate, distal leaves sessile or shortly petiolate; lamina broadly ovate to ovate-orbicular, acuminate or acute; flowers in terminal or axillary cymes, white; capsule ovoid, slightly longer than persistent sepals.

Local distribution: River valley.

CHLORANTHACEAE

Chloranthus elatior Link, *Enum. Hort. Berol. Alt.* 1: 140. 1821. L.N.: *Jnuka dabai*

Exsiccatae: Animesh & AP Das 451, dated 25. 09. 2010.

Subshrubs; spikes terminal, dichotomously or racemosely branched; lamina broadly elliptic or obovate to long obovate or oblanceolate, serrate, gradually narrowed to caudate, base cuneate; flowers white; fruit green when young, white at maturity, obovoid.

Local distribution: Throughout the shaded forest floor.

CLEOMACEAE

Cleome ruidosperma de Candolle, *Prodr.* 1: 241. 1824.

Exsiccatae: Animesh & AP Das 510, dated 28. 09. 2010.

Annual herbs, stems branched often with decumbent branches; leaflets 3; leaflet blades oblanceolate to rhomboid-elliptic, entire or serrulate-ciliate, acute; racemes terminal, 3-6 flowered or axillary-solitary; flowers pinkish; capsule striate.

Local distribution: Road side areas.

COMBRETACEAE

Combretum nanum Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 219. 1825. L.N.: *Aiselu Lahara*

Exsiccatae: Animesh & AP Das 174, dated 11. 05. 2009.

Evergreen liana, profusely weak branched; lamina lanceolate, ovate-lanceolate, or narrowly elliptic, abruptly caudate, cauda with rounded or obtuse tip, base obtuse-rounded; racemes terminal or axillary; bracts leafy, petaloid, white.

Local distribution: River side forests.

Terminalia bellirica (Gaertner) Roxburgh, *Pl. Coromandel* 2: 54. 1805. *Myrobalanus bellirica* Gaertner, *Fruct. Sem. Pl.* 2: 90. 1790. L.N.: *Barra*

Exsiccatae: *Animesh & AP Das 534*, dated 29. 09. 2010.

Large semi-evergreen trees; bark gray, longitudinally ridged; leaves spiraled, crowded into pseudowhorls at apices of branchlets; lamina glossy, obovate, obtuse or mucronate, base obtuse-rounded or attenuate; spikes axillary, simple; flowers yellowish; fruit shortly stipitate, subglobose to broadly ellipsoid or ovoid.

Local distribution: Throughout the forests.

Terminalia catappa Linnaeus, *Mant. Pl.* 128. 1767. L.N.: *Pakasnaj*

Exsiccatae: *Animesh & AP Das 416*, dated 16. 05. 2010.

Large deciduous trees; bark brownish black, longitudinally peeling. leaves alternate, crowded into pseudowhorls at apices of branchlets; lamina obovate to oblanceolate, obtuse or mucronate, base narrow, cordate or truncate; spikes axillary, simple, slender; flowers greenish white; fruit not stipitate, ellipsoid, slightly to strongly compressed.

Local distribution: Core areas of forest.

Terminalia chebula Retzius, *Observ. Bot.* 5: 31. 1788. L.N.: *Harra*

Exsiccatae: *Animesh & AP Das 359*, dated 09. 02. 2010.

Large deciduous trees; bark grayish black to gray, coarsely split and thick; leaves alternate or subopposite; lamina elliptic, mucronate, base obtuse-rounded or cuneate, oblique; spikes axillary or terminal, simple; flowers yellowish; fruit ovoid or ellipsoid.

Local distribution: Core areas of forest.

Terminalia myriocarpa Van Heurck & Müller Argoviensis, *Observ. Bot.* 215. 1871. L.N.: *Panisanj*

Exsiccatae: *Animesh & AP Das 293*, dated 21. 09. 2009.

Large deciduous trees; trunk with buttresses; leaves opposite; lamina oblong-elliptic or oblong-lanceolate, entire or slightly undulate, rarely conspicuously toothed, apex with short, oblique tip, base obtuse; spikes simple or compound, terminal or axillary; flowers greenish; fruit yellowish when dry.

Local distribution: Core areas of forest.

CONVOLVULACEAE

Argyrea roxburghii (Wallich) Arnott ex Choisy, *Mém. Soc. Phys. Genève* 6: 419. 1833. *Convolvulus roxburghii* Wallich, *Numer. List n.* 1415. 1829. L.N.: *Putus Lahara*

Exsiccatae: *Animesh & AP Das 081*, dated 18. 01. 2009.

Large suffrutescent climbers, stems densely appressed-pubescent; lamina broadly ovate, entire, abruptly caudate-acuminate, base shallowly cordate; flowers in axillary clusters, pink; fruits globose, yellow.

Local distribution: Throughout the forests.

Evolvulus nummularius (Linnaeus) Linnaeus, *Sp. Pl. (ed. 2)* 1: 391. 1762. *Convolvulus nummularius* Linnaeus, *Sp. Pl.* 1: 157. 1753.

Exsiccatae: *Animesh & AP Das 097*, dated 19. 01. 2009.

Creeping perennial herb, rooting at nodes, prostrate; leaves distichous; lamina nearly circular, rounded or emarginate, base cordate to rounded; peduncle absent or very short; flowers leaf axils, white; capsule globose.

Local distribution: Road side areas.

Ipomoea batatas (Linnaeus) H.J. Lam, *Tabl. Encycl.* 1: 465. 1793. *Convolvulus batatas* Linnaeus, *Sp. Pl.* 1: 154. 1753.

Exsiccatae: *Animesh & AP Das 085*, dated 19. 01. 2009.

Scandent or prostrate annual, stems with hairs and bristles; lamina broadly ovate to circular, entire or palmately 3-5 lobed cymes axillary; flowers purplish; capsule rarely produced, ovoid or depressed globose.

Local distribution: River valley.

Ipomoea nil (Linnaeus) Roth, *Catal. Bot. 1*: 36. 1797. *Convolvulus nil* Linnaeus, *Sp. Pl. ed. 2. 1*: 219. 1762.

Exsiccatae: Animesh & AP Das 440, dated 25. 09. 2010.

Herbaceous annual twiner; stem shortly hairy and with long bristles; lamina broadly ovate or nearly circular, entire, acuminate, base cordate; racemose heads axillary, corolla with blue limb and white tube; capsule straw colored, ovoid.

Local distribution: River valley.

Merremia hirta (Linnaeus) Merrill, *Philipp. J. Sci. 7*: 224. 1912. *Convolvulus hirtus* Linnaeus, *Sp. Pl. 1*: 159. 1753.

Exsiccatae: Animesh & AP Das 385, dated 14. 05. 2010.

Twining or prostrate herbs; stems rooting at nodes or internodes; lamina linear, oblong-lanceolate, ovate-oblong, or ovate, entire, obtuse, acute or slightly emarginate and mucronulate, base truncate, rounded; nodes rooting; stem slender, hirsute to glabrous; inflorescence axillary; flowers white; capsule broadly ovoid to globose.

Local distribution: River valley.

Merremia vitifolia (Burman f.) Hallier f., *Bot. Jahrb. Syst. 16(4-5)*: 552. 1893. *Convolvulus vitifolius* N. L. Burman, *Fl. Indica 45*. 1768.

Exsiccatae: Animesh & AP Das 064, dated 18. 01. 2009.

Large twiner or creeper, stem stout with yellowish hairs; lamina circular in outline, coarsely serrate or subentire, acuminate to obtuse, base cordate, palmately angled or lobed; cymes axillary, compact; corolla yellow; capsule straw colored, globose, papery.

Local distribution: Throughout the forests.

CORNACEAE

Alangium chinense (Loureiro) Harms, *Ber. Deutsch. Bot. Ges. 15*: 24. 1897. *Stylidium chinense* Loureiro, *Fl. Cochinch. 1*: 221. 1790. **L.N.:** Akhane

Exsiccatae: Animesh & AP Das 181, dated 11. 05. 2009.

Small trees, branchlets pubescent; lamina ovate or orbicular to cordate, entire or with few shallow lobes, acuminate, base usually oblique, occasionally rounded; cymes axillary, few-flowered; flowers greenish white; drupe ovoid.

Local distribution: Stream side hill slopes.

CUCURBITACEAE

Diplocyclos palmatus (Linnaeus) C. Jeffrey, *Kew Bull. 15*: 352. 1962. *Bryonia palmata* Linnaeus, *Sp. Pl. 2*: 1012. 1753.

Exsiccatae: Animesh & AP Das 330, dated 07. 02. 2010.

Annual climbing herb; stems slender; lamina ovate, acuminate or obtuse, palmately 5-lobed, membranous; root tuberous; stem slender; flowers white in axillary fascicles; fruit yellow-green to red, narrowly white striped, globose, indehiscent.

Local distribution: River side forests.

Luffa cylindrica (Linnaeus) M. Roemer, *Fam. Nat. Syn. Monogr. 2*: 63. 1846. *Momordica cylindrica* Linnaeus, *Sp. Pl. 1009*. 1753. **L.N.:** Dhundul

Exsiccatae: Animesh & AP Das 320, dated 07. 02. 2010.

Climber, stem glabrous; lamina triangular or suborbicular, dentate, acute or acuminate, base deeply cordate; flowers axillary cluster; petals white; fruit cylindrical, straight or slightly curved, smooth, ecostate, inside strongly fibrous when mature.

Local distribution: River side forests.

Mukia maderaspatana (Linnaeus) M. Roemer, *Fam. Nat. Syn. Monogr. 2*: 47. 1846. *Cucumis maderaspatanus* Linnaeus, *Sp. Pl. 2*: 1012. 1753. **L.N.:** Kundri

Exsiccatae: Animesh & AP Das 246, dated 19. 09. 2009.

Annual climbers; stems many branched, robust, sulcate; lamina somewhat rigid, ovate or ovate-cordate, irregularly denticulate, slightly obtuse, base cordate; flowers in axillary cluster; petals white; berries spherical red.

Local distribution: open river valley areas.

DILLENACEAE

Dillenia indica Linnaeus, *Sp. Pl.* 535. 1753. L.N.: *Chalta*

Exsiccatae: Animesh & AP Das 424, dated 16. 05. 2010.

Evergreen trees; bark reddish brown, exfoliating; lamina oblong or obovate-oblong, serrate, acute; flowers solitary, axillary; sepals thickly accrescent; petals white; aggregate fruit globose, indehiscent.

Local distribution: Core areas of forest.

Dillenia pentagyna Roxburgh, *Pl. Coromandel 1: 21.* 1795. L.N.: *Tartari*

Exsiccatae: Animesh & AP Das 302, dated 22. 09. 2009.

Large deciduous trees; bark smooth, gray, exfoliating; leaf blade oblong to obovate-oblong, margin with shallowly undulate teeth, acute, leathery; flowers 2-7 in fascicles from the top of lateral spurs, small; sepals accrescent, reddish yellow; pseudocarp indehiscent.

Local distribution: Core areas of forest.

DIPTEROCARPACEAE

Shorea robusta Gaertner, *Suppl. Carp.* 48. 1805. L.N.: *Sal*

Exsiccatae: Animesh & AP Das 225, dated 14. 05. 2009.

Large deciduous trees, crown spreading; bark gray to dark reddish brown, becoming fissured and flaky; lamina ovate to oblong, acuminate, base obtuse to cordate, thinly leathery; flowers subsessile, on spreading racemose panicles; flowers yellowish; fruit sepals unequal, spatulate.

Local distribution: Core areas of forest.

ELAEOCARPACEAE

Elaeocarpus floribundus Blume, *Bijdr.* 120. 1825. L.N.: *Jalpai*

Exsiccatae: Animesh & AP Das 522, dated 29. 09. 2010.

Large trees, crown spreading; broadly lanceolate-ovate, ovate, oblong, or elliptic, shallowly crenate, acuminate, acumen obtuse, base attenuate and decurrent; racemes axillary or terminal; flowers bisexual; petals fringed, white; drupe spindleshaped, pointed at both ends.

Local distribution: Core areas of forest.

Elaeocarpus varunua Buchanan-Hamilton ex Masters, *Fl. Brit. India 1: 407.* 1874. L.N.: *Bhadrase*

Exsiccatae: Animesh & AP Das 457, dated 25. 09. 2010.

Large trees; branchlets sparsely gray puberulent; lamina elliptic to oblong, entire or slightly crenate, acute, with obtuse acumen, base rounded or obtuse, membranous; racemes in axils of current and fallen leaves; petals fringed, white; drupe ellipsoid.

Local distribution: Hill forest areas.

EUPHORBIACEAE

Balakata baccata (Roxburgh) H.J. Esser, *Blumea 44: 155.* 1999. *Sapium baccatum* Roxburgh, *Fl. Ind.*, ed. 1832, 3: 694. 1832. L.N.: *Akhataru*

Exsiccatae: Animesh & AP Das 342, dated 08. 02. 2010.

Evergreen trees, glabrous; branchlets usually in whorls; lamina ovate or long ovate, rarely elliptic, entire, acuminate, base acute to obtuse, rarely attenuate or cordate; flowers yellowish in raceme-like terminal whorls or in leaf axils, male at upper part, female at base; fruits baccate.

Local distribution: Core areas of forest.

Baliospermum solanifolium (Burman) Suresh, *Interpret. Rheede's Hort. Malab.* 106. 1988. *Croton solanifolius* Burman, *Fl. Malab.* 6. 1769. L.N.: *Khasrey*

Exsiccatae: *Animesh & AP Das 101*, dated 19. 01. 2009.

Sub-shrubs; young branches green; lamina elliptic, oblong, or oblanceolate, subentire or sparsely serrulate to undulate-crenulate, obtuse or acute, base rounded to broadly cuneate; panicles axillary, male narrow, female flowers, axillary or at base of male inflorescences; flowers greenish; capsule pendulous, subglobose.

Local distribution: Hill forest areas.

Cleidion javanicum Blume, *Bijdr. 613. 1826. L.N.: Bepari*

Exsiccatae: *Animesh & AP Das 090*, dated 19. 01. 2009.

Small trees; lamina elliptic to oblong-lanceolate or ovate, sinuate-toothed or subentire, acute or acuminate, base obtuse or cuneate, thinly leathery; female inflorescences frequently 1-flowered; flowers yellowish; capsule 2-lobed, smooth.

Local distribution: Hill forest areas.

Croton tiglium Linnaeus, *Sp. Pl. 1004. 1753.*

Exsiccatae: *Animesh & AP Das 219*, dated 14. 05. 2009.

Trees; young branches green, sparsely stellate-hairy, glabrous at maturity; lamina ovate, ovate-elliptic, or ovate-lanceolate, serrulate or subentire, acute or acuminate, base broadly cuneate, rarely slightly cordate, with discoid glands, papery; racemes axillary or terminal; male flower buds subglobose, female flowers oblong-lanceolate, whitish; capsules ellipsoidal, oblong-ovoid, or subglobose.

Local distribution: Hill forest areas.

Macaranga denticulata (Blume) Müller Argoviensis, *Prodr. 15(2): 1000. 1866. Mappa denticulata* Blume, *Bijdr. 625. 1826. L.N.: Joksa*

Exsiccatae: *Animesh & AP Das 282*, dated 21. 09. 2009.

Small trees, much branched, ferruginous or yellowish brown tomentose when young; lamina broadly ovate, repand or subentire, cuspidate-acuminate, palmately 7-9-veined, base obtuse or subtruncate, narrowly peltate, thinly leathery; panicle branches raceme-like, erect, spreading, female flowers solitary; flowers greenish; capsule 2-lobed, densely glandular-scaly.

Local distribution: Forest margins.

Macaranga indica Wight, *Icon. Pl. Ind. Orient. 5: t. 1883. 1852. L.N.: Maledo*

Exsiccatae: *Animesh & AP Das 033*, dated 17. 01. 2009.

Small trees, branchlets stout, zigzag; lamina ovate-orbicular, serrulate, acuminate, base rounded and broadly peltate, with glands; male flowers many per bract, female inflorescences branched; flowers greenish; capsule globose, sparsely glandular-scaly.

Local distribution: Forest margins.

Mallotus philippensis (H.J. Lam) Müller Argoviensis, *Linnaea 34: 196. 1865. Croton philippensis* Lamarck, *Encycl. 2: 206. 1786. L.N.: Sindure*

Exsiccatae: *Animesh & AP Das 083*, dated 19. 01. 2009.

Small trees; lamina ovate to lanceolate, subentire, acuminate, base cuneate or obtuse, with 2-4 basal glands; panicle branches raceme-like, erect, axillary or terminal; flowers yellow-brownish stellate-tomentose; fruits red; capsule subglobose, covered with a red glandular-scaly layer.

Local distribution: Throughout the forests.

Mallotus polycarpus (Benth) Kulju & Welzen, *Blumea 52: 130. 2007. Trewia polycarpa* Benth, *Gen. Pl. 3: 318. 1880. L.N.: Pithali*

Exsiccatae: *Animesh & AP Das 150*, dated 06. 02. 2009.

Dioecious trees; leaves opposite, ovate; lamina entire, acuminate; flowers in racemes, appearing with the leaves, dioecious; berry ovoid and fleshy, depressed globose, greyish-green, outer shell thin, splitting.

Local distribution: River side forests.

Tragia involucrata Linnaeus, *Sp. Pl.* 980. 1753.

Exsiccatae: *Animesh & AP Das 036*, dated 17. 01. 2009.

Herbaceous vines; lamina cuneate-obovate or elliptic to broadly lanceolate, serrulate, acuminate, base obtuse or slightly cordate, papery or membranous, adaxially villous, abaxially tomentose; male racemes at axillary or branch tip; flowers greenish.

Local distribution: Core areas of forest.

FABACEAE

Abrus precatorius Linnaeus, *Syst. Nat.*, ed. 12, 2: 472. 1767.

Exsiccatae: *Animesh & AP Das 143*, dated 06. 02. 2009.

Much branched shrubby climber; leaves pinnate, leaflets oblong; racemes axillary; flowers small, pink; legumes oblong, leathery.

Local distribution: Road side forest areas on bushes.

Abrus pulchellus Wallich *ex* Thwaites, *Enum. Pl. Zeyl.* 91. 1859.

Exsiccatae: *Animesh & AP Das 159*, dated 07. 02. 2009.

Much branched shrubby climber; leaves pinnate, leaflets oblong; racemes axillary; flowers pink; legumes ob-long, densely white hairy.

Local distribution: Road side forest areas on bushes.

Acacia catechu (Linnaeus *f.*) Willdenow, *Sp. Pl.* 4: 1079.1806. *Mimosa catechu* Linnaeus *f.*, *Suppl. Pl.* 439. 1782. L.N.: *Khair*

Exsiccatae: *Animesh & AP Das 103*, dated 19. 01. 2009.

Medium trees, shoots with paired stipular spines; leaflets 20-50 pairs, linear; spikes solitary, axillary; flowers yellowish; legume brown, straight, strap-shaped, nitid.

Local distribution: River valley.

Acacia concinna (Willdenow) de Candolle, *Prodr.* 2: 464.1825. *Mimosa concinna* Willdenow, *Sp. Pl.* 4: 1039. 1806. L.N.: *Sikakai*

Exsiccatae: *Animesh & AP Das 068*, dated 18. 01. 2009.

Woody climber, profusely branched with recurved prickles; leaflets 15-25 pairs, linear-oblong, ciliate, obtuse, membranous; heads in terminal panicles; flowers yellow; legume brown, strap-shaped, fleshy, with wrinkled surfaces.

Local distribution: Hill slopes and core forest areas.

Acacia pennata (Linnaeus) Willdenow, *Sp. Pl.* 4: 1090.1806. *Mimosa pennata* Linnaeus, *Sp. Pl.* 1: 522.1753. L.N.: *Ararekanra*

Exsiccatae: *Animesh & AP Das 129*, dated 05. 02. 2009.

Liana, shoots with scattered recurved prickles; leaflets 30-54 pairs, densely crowded, linear, ciliate, sharply acute, base truncate; heads in terminal panicle; flowers yellow; legume strap-shaped.

Local distribution: Stream side hill slopes.

Acrocarpus fraxinifolius Arnott, *Mag. Zool. Bot.* 2: 547.1838. L.N.: *Mandane*

Exsiccatae: *Animesh & AP Das 244*, dated 19. 09. 2009.

Trees; leaves at apices of branches pinnate, entire, acuminate or acute, base slightly oblique, broadly cuneate or rounded, subleathery; racemes axillary, densely flowered; flowers pink; legume purplish brown, flat, narrowly winged along ventral suture.

Local distribution: Hill forest areas.

Adenanthera microsperma Teijsmann & Binnendijk, *Natuurk. Tijdschr. Ned.-Indie* 27: 58. 1864.

Exsiccatae: *Animesh & AP Das 117*, dated 20. 01. 2009.

Trees, deciduous; leaflets 4-7 pairs, alternate, oblong or ovate, both ends rounded-obtuse; racemes simple, axillary or arranged in panicles at apices of branchlets; flowers white; legume narrow-oblong.

Local distribution: Stream side forests.

Aganope polystachya (Benth) Thothathri & D.N. Das, Rheedea 2(1): 63. 1992. *Derris polystachya* Benth, J. Proc. Linn. Soc., Bot. 4(Suppl.): 114. 1860. L.N.: *Hanumane Lahara*

Exsiccatae: *Animesh & AP Das 238*, dated 19. 09. 2009.

Liana or scandent shrubs; leaf imparipinnate, lamina oblong or obovate-oblong, obtuse or acute; pseudopanicles axillary or terminal; flowers whitish; pods glabrous, narrowed.

Local distribution: Core areas of forest.

Albizia chinensis (Osbeck) Merrill, Amer. J. Bot. 3: 575. 1916. *Mimosa chinensis* Osbeck, Dagb. Ostind. Resa, 233. 1757. L.N.: *Siris*

Exsiccatae: *Animesh & AP Das 425*, dated 17. 05. 2010.

Trees; branchlets yellow pubescent; leaflets 20-35 pairs, sessile, oblong-linear, falcate, margin ciliate, acuminate, base subtruncate; heads in axillary or terminal panicles; flowers yellowish white; legume indehiscent, or irregularly breaking up, plano-compressed.

Local distribution: Road side forests.

Albizia lebbeck (Linnaeus) Benth, London J. Bot. 3: 87. 1844. *Mimosa lebbeck* Linnaeus, Sp. Pl. 1: 516. 1753. L.N.: *Kalo Siris*

Exsiccatae: *Animesh & AP Das 360*, dated 09. 02. 2010.

Trees, bark rough, deciduous; leaflets 4-8 pairs, narrowly elliptic or slightly obliquely oblong, obtuse or retuse; heads solitary, axillary; flowers dimorphic, greenish-yellow; legume straw-colored, strap-shaped, flat, remaining on trees long after ripening.

Local distribution: Core areas of forest.

Albizia lucidior (Steudel) I.C. Nielsen ex H. Hara, Enum. Fl. Pl. Nepal 2: 104. 1979. *Inga lucidior* Steudel, Nomencl. Bot., ed. 2, 1: 810. 1840. L.N.: *Patpate Siris*

Exsiccatae: *Animesh & AP Das 067*, dated 18. 01. 2009.

Trees; branchlets glabrous, angulate; leaflets 1-6 pairs, elliptic, oblong, or obliquely obovate, acute, acuminate, or obtuse, base attenuate to subrounded; heads in terminal panicle; flowers yellowish; legume dehiscent, brownish, straight, ligulate.

Local distribution: Road side forest areas.

Albizia procera (Roxburgh) Benth, London J. Bot. 3: 89. 1844. *Mimosa procera* Roxburgh, Pl. Coromandel 2: 12. 1799.

Exsiccatae: *Animesh & AP Das 420*, dated 16. 05. 2010.

Trees; branchlets slightly pubescent or subglabrous; leaflets 6-12 pairs, ovate to subrhombic, obtuse or emarginate, base oblique, subleathery; heads in elongated terminal panicle; flowers yellowish white; legume ligulate, flat.

Local distribution: Core areas of forest.

Bauhinia acuminata Linnaeus, Sp. Pl. 1: 376. 1753. L.N.: *Tanki*

Exsiccatae: *Animesh & AP Das 274*, dated 20. 09. 2009.

Shrubs, young branches zigzag; leaf blade ovate-cordate to cordate, apex bifid to 1/3-2/5, lobes acuminate or slightly acute at apex or rarely rounded, base cordate, subleathery; flowers axillary, solitary, white; legume straight or slightly curved, linear-oblongate, compressed.

Local distribution: Rare; throughout the forests.

Bauhinia purpurea Linnaeus, Sp. Pl. 1: 375. 1753. L.N.: *Tanki*

Exsiccatae: *Animesh & AP Das 506*, dated 28. 09. 2010.

Deciduous trees; branches puberulent when young; lamina suborbicular, apex bifid to 1/3-1/2, lobes slightly acute or rarely rounded at apex, base shallowly cordate, stiffly papery; very short reduced racemes from leafless axiles and branch-tips; flower pink; legume linear, flat.

Local distribution: Road side forests.

Bauhinia scandens Linnaeus, Sp. Pl. 1: 374. 1753. L.N.: *Nagfeni lahara*

Exsiccatae: *Animesh & AP Das 446*, dated 25. 09. 2010.

Large woody liana; branches cylindric when young, ap-planate when old; lamina ovate to broadly ovate, entire on flowering branches, bifid to more than 1/2 in sterile or juvenile branches, lobes with obtuse or acuminate apices, base shallowly cordate to truncate, papery; racemes elongated, many flowered; petals white; legume rhombic to oblong, indehiscent or tardily dehiscent.

Local distribution: Core forest areas.

Bauhinia variegata Linnaeus, Sp. Pl. 1: 375. 1753. L.N.: *Koiralo*

Exsiccatae: *Animesh & AP Das 091*, dated 19. 01. 2009.

Deciduous trees; branches gray puberulent when young; lamina suborbicular or broadly ovate, bifid to 1/3, lobes rounded at apex, base shallowly to deeply cordate, subleathery; racemes small, few flowered, sometimes corymblike; petals white; legume linear, flat.

Local distribution: Road side forests.

Bauhinia vahlii Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 297. 1834.

Exsiccatae: *Animesh & AP Das 305*, dated 22. 09. 2009.

Large liana; tendrils circinate, usually opposite the leaves; lamina orbicular, lobed at the apex, cordate at the base; many flowers corymbs; flower white; pods thickly tomentose; pod woody, dehiscent, rusty velvety.

Local distribution: River valley.

Caesalpinia cucullata Roxburgh, Fl. Ind., ed. 1832, 2: 358. 1832.

Exsiccatae: *Animesh & AP Das 392*, dated 15. 05. 2010; *186*, dated 11. 05. 2009.

Climbers, with recurved prickles; leaf rachis 20-40 cm; leaflets 3-6 pairs, acuminate, base broadly cuneate or obtuse-rounded, leathery; racemes long, spreading; flowers yellow; pods thin, broad.

Local distribution: Throughout the forests.

Cassia fistula Linnaeus, Sp. Pl. 1: 377. 1753. L.N.: *Sonalu, Bandarjhola*

Exsiccatae: *Animesh & AP Das 166*, dated 07. 02. 2009.

Small trees, deciduous; leaves in 3 or 4 pairs of leaflets; leaflets broadly ovate or ovate-oblong, acute, base broadly cuneate, leathery; racemes axillary, pendulous, many flowered; flowers golden yellow; legume pendulous, blackish brown, terete, sausage-shaped, indehiscent.

Local distribution: Road side forests.

Codoriocalyx motorius (Houttuyn) H. Ohashi, J. Jap. Bot. 40: 367. 1965. *Hedysarum motorium* Houttuyn, Nat. Hist. 10: 246. 1779. L.N.: *Mohoni jhaar*

Exsiccatae: *Animesh & AP Das 218*, dated 14. 05. 2009.

Shrubs; stem simple or branched; leaves 3-foliolate, often 1-foliolate by reduction of lateral leaflets; terminal leaflet blade narrowly elliptic or lanceolate, lateral ones when present narrowly elliptic or linear, very small; panicles terminal, lax, many flowered; flowers purplish red; legume falcate or straight.

Local distribution: River valley.

Crotalaria alata Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 241. 1825.

Exsiccatae: *Animesh & AP Das 308*, dated 22. 09. 2009.

Small much branched, zigzag, erect, annual herbs; leaves simple, nearly sessile; lamina elliptic to obovate-elliptic, obtuse and mucronate, base attenuate to cuneate; racemes terminal or leaf-opposed; flowers

yellow; fruits turn black on ripening; legume oblong.

Local distribution: Road side forest areas.

Crotalaria pallida Aiton, Hort. Kew. 3: 20. 1789. L.N.: *Sanai Phool*

Exsiccatae: *Animesh & AP Das 528*, dated 29. 09. 2010.

Tall much-branched annual or biannual herbs; leaves 3-foliolate; leaflet oblong to elliptic, obtuse to retuse, base broadly cuneate; flowers yellow in long racemes; legume oblong.

Local distribution: Road side areas.

Dalbergia stipulacea Roxburgh, Fl. Ind., ed. 1832, 3: 233.1832. L.N.: *Siris Lahara*

Exsiccatae: *Animesh & AP Das 183*, dated 11. 05. 2009.

Scandent shrubs or sprawling tree; branches spreading; leaflets oblong to obovate-oblong, acute, ultimately rounded or obtuse, sometimes emarginated; flowers blue in panicles; legume broadly ligulate to ovoid or elliptic.

Local distribution: Throughout the forests.

Derris robusta (Roxburgh ex de Candolle) Bentham, J. Proc. Linn. Soc., Bot. 4(Suppl.): 104. 1860.

Dalbergia robusta Roxburgh ex de Candolle, Prodr. 2: 417. 1825.

Exsiccatae: *Animesh & AP Das 294*, dated 21. 09. 2009.

Trees, deciduous; leaves 13-21-foliolate; obtuse and shortly cuspidate; elongated, rachis nodes with 2 or 3 fascicled flowers; flowers white; legume linear-oblong, flat.

Local distribution: Core areas of forest.

Desmodium confertum A.P. de Candolle, Ann. Sci. Nat. (Paris) 4: 101. 1825.

Exsiccatae: *Animesh & AP Das 270*, dated 20. 09. 2009.

Erect shrubs, less branched; leaf trifoliolate, orbicular, obtuse or acuminate; racemes slender, axillary and terminal; flowers pink; pods stipitate.

Local distribution: River valley.

Desmodium gangeticum (Linnaeus) A.P. de Candolle, Prodr. 2: 327. 1825. *Hedysarum gangeticum* Linnaeus, Sp. Pl. 2: 746. 1753. L.N.: *Badam*

Exsiccatae: *Animesh & AP Das 194*, dated 12. 05. 2009.

Annual or perennial herbs; less branched; leaves 1-foliolate, variable in shape and size; lamina narrowly elliptic-ovate, sometimes ovate or lanceolate, acute, base rounded; racemes slender, terminal; flowers pink; legume linear, slightly curved.

Local distribution: River valley.

Entada phaseoloides (Linnaeus) Merrill, Philipp. J. Sci., C, 9: 86. 1914. *Lens phaseoloides* Linnaeus, Herb. Amboin. 18. 1754. L.N.: *Pangra*

Exsiccatae: *Animesh & AP Das 343*, dated 08. 02. 2010.

Large woody climbers; stems often spirally twisted; leaflets 1 or 2 pairs, elliptic or narrowly obovate, obtuse, emarginate, base slightly oblique, leathery; spikes terminal, spreading; flowers yellowish; legume curved, flat.

Local distribution: Core areas of forest.

Leucaena leucocephala (Lamarck) de Wit, Taxon 10: 54. 1961. *Mimosa leucocephala* Lamarck, Encycl. 1: 12. 1783.

Exsiccatae: *Animesh & AP Das 141*, dated 06. 02. 2009.

Trees; branchlets pubescent; leaflets linear-oblong, ciliate, acute, base cuneate; heads usually 1 or 2, axillary; flowers white; legume straight, strap-shaped, flat.

Local distribution: River side forest areas.

Mimosa himalayana Gamble, Bull. Misc. Inform. Kew 4. 1920. L.N.: *Ararekanra*

Exsiccatae: *Animesh & AP Das 205*, dated 12. 05. 2009.

Scrambling shrubs, profusely branched; prickles present on nodes or inter nodes, straight or hooked; leaves pinnate, lamina broad, oblong, obtuse, mucronate, glabrous above; heads in axillary and terminal clusters; flowers pink; pods occasionally with prickles on the sutures, strap-shaped.

Local distribution: Along forest margins and stream side.

Mimosa pudica Linnaeus, Sp. Pl. 1: 518. 1753. L.N.: *Lajjaboti*

Exsiccatae: *Animesh & AP Das 326*, dated 07. 02. 2010.

Annual or perennial subshrubby herbs; stems densely hispid, prickly; leaflets linear-lanceolate, ciliate, acute, base rounded to slightly oblique; heads terminal or axillary; flowers pink; legumes arranged in a star, flat, oblong.

Local distribution: Road side areas.

Mucuna pruriens (Linnaeus) de Candolle, Prodr. 2: 405. 1825. *Dolichos pruriens* Linnaeus, Herb. Amboin. 23. 1754.

Exsiccatae: *Animesh & AP Das 383*, dated 14. 05. 2010.

Annual herbaceous twiner, stems silvery pubescent first; leaflets slender, straight or slightly curved, rounded, acute, base broadly cuneate to rounded, papery; racemes axillary, pendulous; flowers dark purple; pods thickly clothed with stinging hairs.

Local distribution: Stream side forests.

Phaseolus vulgaris Linnaeus, Sp. Pl. 2: 723. 1753.

Exsiccatae: *Animesh & AP Das 053*, dated 17. 01. 2009.

Annual twinning herbs; leaflets broadly ovate or obovate-rhombic, entire, acuminate, base rounded or broadly cuneate; racemes shorter than leaves, several at top of peduncle; flowers white; legumes linear-oblong, turgid.

Local distribution: Road side areas.

Pongamia pinnata (Linnaeus) Merrill, Interpr. Herb. Amboin. 271. 1917. *Cytisus pinnatus* Linnaeus, Sp. Pl. 2: 741. 1753. L.N.: *Bhale Neem*

Exsiccatae: *Animesh & AP Das 518*, dated 29. 09. 2010.

Trees, branchlets sometimes tomentose; leaves 5- or 7-foliolate; lamina ovate, broadly elliptic, or oblong, rounded to acuminate, base rounded, broadly cuneate, or truncate, leathery; racemes axillary, many flowered; flower pink; pods short, woody; seeds flat.

Local distribution: Core areas of forest.

Pueraria phaseoloides (Roxburgh) Bentham, J. Linn. Soc., Bot. 9: 125. 1865. *Dolichos phaseoloides* Roxburgh, Fl. Ind., ed. 1832, 3: 316. 1832. L.N.: *Janglee Kalodal*

Exsiccatae: *Animesh & AP Das 096*, dated 19. 01. 2009.

Herbaceous twiner, stems and petioles spreading brown hirsute; leaflets broadly ovate, rhomboid, or ovate-rhomboid, entire or 3-lobed, base oblique; racemes axillary, flowers crowded at tips of peduncle; flowers purplish; fruits slender, terete, black on ripening.

Local distribution: Road side areas.

Pueraria sikkimensis Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 419. 1897. L.N.: *Gonfle*

Exsiccatae: *Animesh & AP Das 464*, dated 26. 09. 2010.

woody liana, profusely branched, branches twinning; lamina broadly ovate, acute or shortly acuminate, base rounded or truncate, sparsely pubescent; racemes axillary; flowers white, wing-petals dark blue.

Local distribution: Throughout the forests.

Senna siamea (Lamarck) H.S. Irwin & Barneby, Mem. New York Bot. Gard. 35: 98. 1982. *Cassia siamea* Lamarck, Encycl. 1: 648. 1785. L.N.: *Minjiri*

Exsiccatae: *Animesh & AP Das 014*, dated 17. 01. 2009.

Trees, young branches ribbed; leaflets oblong or ovate-oblong, obtusely rounded, mucronate, base rounded, leathery; racemes in axils of apical leaves, often several forming a large terminal panicle on a robust peduncle; flowers yellow; legume flat-tened, purplish brown when mature.

Local distribution: Road side plantations.

Sesbania sesban (Linnaeus) Merrill, Philipp. J. Sci., C, 7: 235. 1912. *Aeschynomene sesban* Linnaeus, Sp. Pl. 2: 714. 1753.

Exsiccatae: Animesh & AP Das 227, dated 14. 05. 2009.

Tall annual herbs, nodes conspicuously gibbous; leaves 20-40-foliolate; lamina oblong to linear, rounded to retuse and mucronate, base obliquely rounded; racemes 4-10 flowered; flowers white; legume subterete.

Local distribution: River valley.

Spatholobus parviflorus (A.P. de Candolle) Kuntze, Revis. Gen. Pl. 1: 205. 1891. *Butea parviflora* Roxburgh ex Candolle, Prodr. 2: 415. 1825. L.N.: *Debre Lahara*

Exsiccatae: Animesh & AP Das 275, dated 20. 09. 2009.

Shrubby climber to robust liana; leaflets obovate or broadly elliptic, obtuse or rounded, base rounded or slightly narrowed, leathery; flowers in crowded racemose clusters, pinkish white to red flowers; legumes falcate-oblong, thick, densely brownish velutinous.

Local distribution: Hill forest areas.

Tamarindus indica Linnaeus, Sp. Pl. 1: 34. 1753. L.N.: *Tentul*

Exsiccatae: Animesh & AP Das 011, dated 17. 01. 2009.

Huge spreading trees; leaflets ob-long, rounded or emarginate, base obliquely rounded; flowers in few flowered racemes, yellowish tinged with purplish red stripes; fruits terete with fleshy mesocarp.

Local distribution: Along the forest margins.

Tephrosia candida de Candolle, Prodr. 2: 249. 1825. L.N.: *Paniel*

Exsiccatae: Animesh & AP Das 142, dated 06. 02. 2009.

Small to large shrubs, stems ridged; leaves 17-25-foliolate; lamina oblong, entire, acute or mucronate, sometimes acuminate, base round to acute; pseudoracemes terminal or lateral; flowers white; legume linear, straight.

Local distribution: Marginal forest and stream side areas.

FAGACEAE

Castanopsis indica (Roxburgh ex Lindley) Alphonse de Candolle, J. Bot. 1: 182. 1863. *Castanea indica* Roxburgh ex Lindley in Wallich, Pl. Asiat. Rar. 2: 5. 1830. L.N.: *Dalne Kattus*

Exsiccatae: Animesh & AP Das 015, dated 17. 01. 2009.

Large trees; lamina broadly elliptic, serrate except basally entire, mucronate to acuminate, base cuneate to rounded and usually inaequilateral, thickly papery; spikes paniculate, densely tomentose; cupules solitary, globose, thickly prickly, usually splits into 4 segments.

Local distribution: Hill forest areas.

Castanopsis tribuloides (Smith) Alphonse de Candolle, J. Bot. 1: 182. 1863. *Quercus tribuloides* Smith in Rees, Cycl. 29: *Quercus* no. 13. 1814. L.N.: *Kattus*

Exsiccatae: Animesh & AP Das 035, dated 17. 01. 2009.

Medium trees; lamina elliptic to ovate, margin entire or rarely with 1 or 2 teeth, acute, base acute to rounded; spikes slender at branch tips; cupules solitary, slender, thickly prickly.

Local distribution: Hill slope and Core areas of forest.

Quercus obtusata Bonpland, Pl. Aequinoct. 2: 26. 1809. L.N.: *Thulo Kattus*

Exsiccatae: Animesh & AP Das 060, dated 18. 01. 2009.

Evergreen trees; ovate-elliptic, elliptic to obovate-elliptic, serrate, acuminate, base cuneate to rounded and usually inaequilateral, thickly papery; female inflorescences axillary on young shoots; cupule half globose.

Local distribution: Hill forest areas.

GESNERIACEAE

Rhynchotechum ellipticum (Wallich ex D.F.N. Dietrich) A.P. de Candolle, *Prodr.* 9: 285. 1845.
Corysanthera elliptica Wallich ex D.F.N. Dietrich, *Syn. Pl.* 3: 582. 1842. L.N.: *Mala phool*

Exsiccatae: Animesh & AP Das 009, dated 17. 01. 2009.

Undershrubs, stem occasionally sparingly branched; leaves opposite; lamina oblanceolate to obovate, denticulate to serrate, acute to acuminate, base cuneate to attenuate, rarely nearly rounded; cymes sparingly fascicled; flowers pink; berry white.

Local distribution: Road side bushes.

JUGLANDACEAE

Engelhardtia spicata Lechen ex Blume, *Bijdr.* 528. 1826. L.N.: *Mewa*

Exsiccatae: Animesh & AP Das 098, dated 19. 01. 2009.

Trees, deciduous; lamina elliptic, elliptic-lanceolate, or elliptic-ovate, shortly acuminate, base broadly cuneate. spikes pendulous, males lateral and females central; flowers yellowish; nutlets globose or ovoid, 3 winged.

Local distribution: Hill forest areas.

LAMIACEAE

Achyrospermum wallichianum (Benth) Benth ex Hooker f., *Fl. Brit. India* 4: 673. 1885. *Teucrium wallichianum* Benth, *Pl. Asiat. Rar.* 2: 19. 1830. L.N.: *Lalgeri*

Exsiccatae: Animesh & AP Das 058, dated 18. 01. 2009.

Suffrutescent erect herbs, stems unbranched, rooting adventitiously; lamina broadly ovate, crenate-dentate above base, acuminate, base broadly cuneate, membranous; spikes terminal, verticillasters 6- flowered; corolla white.

Local distribution: Throughout the forests.

Anisomeles indica (Linnaeus) Kuntze, *Revis. Gen. Pl.* 2: 512. 1891. *Nepeta indica* Linnaeus, *Sp. Pl.* 2: 571. 1753.

Exsiccatae: Animesh & AP Das 146, dated 06. 02. 2009.

Annual erect, oppositely branched herb; lamina broadly ovate, irregularly dentate, acute or short acuminate, base broadly truncate-cuneate; spikes longer than verticillasters; corolla pink; nutlets.

Local distribution: Road side areas.

Callicarpa arborea Roxburgh, *Fl. Ind.* 1: 405. 1820. L.N.: *Guenlo*

Exsiccatae: Animesh & AP Das 017, dated 17. 01. 2009.

Small trees; lamina broadly elliptic, entire, base cuneate to rounded, leathery; umbels compound, compact, densely tomentose; flowers violate; fruit purple-brown.

Local distribution: Hill slope and core areas of forest.

Clerodendrum infortunatum Linnaeus, *Sp. Pl.* 637. 1753. *Clerodendrum viscosum* Ventanut, *Jard. Malmaison t.* 25 1803. L.N.: *Bhnati*

Exsiccatae: Animesh & AP Das 211, dated 13. 05. 2009.

Suffrutescent under-shrubs; lamina rounded-ovate, coarsely serrate; panicles of cymes mostly terminal, spreading but shorter than subtending leaves, 3-12 flowered; corolla white; fruiting calyx red.

Local distribution: Throughout the forests.

Gmelina arborea Roxburgh, *Hort. Bengal.* 46. 1814. L.N.: *Gamar*

Exsiccatae: Animesh & AP Das 290, dated 21. 09. 2009.

Large trees; bark grayish brown lamina broadly ovate, acuminate, base broadly cuneate to subcordate, thickly papery; thyrses narrow, terminal; corolla yellow; ripe drupes yellow, ellipsoid to obovoid-ellipsoid.

Local distribution: River side forests.

Gomphostemma ovatum Wallich ex Bentham, *Pl. Asiat. Rar.* 2: 12. 1830. L.N.: *Lalgeri*

Exsiccatae: Animesh & AP Das 016, dated 17. 01. 2009.

Robust herbs; branches few; lamina ovate to obovate-elliptic, widely spaced serrulate, obtuse to acute, base obliquely cuneate, decurrent; cymes axillary, many flowered; corolla deep yellow; nutlets brown, glabrous.

Local distribution: Through out the forests.

Holmskioldia sanguinea Retzius, *Observ. Bot.* 6: 31. 1791. L.N.: *Sanaiphool*

Exsiccatae: Animesh & AP Das 222, dated 14. 05. 2009.

Evergreen, scandent shrub; lamina ovate, shallowly serrate, acuminate; cymes axillary; calyx broadly conical hat-like, red; corolla brick-red to orange.

Local distribution: Stream side hill slopes.

Hyptis suaveolens (Linnaeus) Poiteau, *Ann. Mus. Hist. Nat.* 7: 472. 1806. *Ballota suaveolens* Linnaeus, *Syst. Nat.*, ed. 10, 2: 1100. 1759.

Exsiccatae: Animesh & AP Das 368, dated 10. 02. 2010.

Tall, erect, annual herbs; stems much branched, spreading hispid; lamina ovate to broadly ovate, serrulate, subacute to obtuse, base rounded to shallow cordate, oblique; cymes in paniculate racemes, 2-5 blue flowered; nutlets dark brown.

Local distribution: Road side areas.

Lantana camara Linnaeus, *Sp. Pl.* 627. 1753. L.N.: *Putusknara*

Exsiccatae: Animesh & AP Das 267, dated 20. 09. 2009.

Densely bushy shrubs, armed with stout recurved prickles; leaf blade ovate to oblong, crenate, base rounded to subcordate, papery; heads terminal, long peduncled; flowers yellow to orange; drupes deep purple, globose.

Local distribution: Road side bushes.

Pogostemon benghalensis (Burman f.) Kuntze, *Revis. Gen. Pl.* 2: 529. 1891. *Origanum benghalense* Burman f., *Fl. Indica* 128. 1768. L.N.: *Janglee Chirato*

Exsiccatae: Animesh & AP Das 394, dated 15. 05. 2010.

Subshrubs, stems solid; lamina ovate elliptic to broadly ovate, irregularly incised, obtuse to acute, base cuneate-attenuate, papery; verticillasters regular or secund in spikes; corolla pink.

Local distribution: Road side forests.

Tectona grandis Linnaeus f., *Suppl. Pl.* 151. 1782. L.N.: *Teak, Segun*

Exsiccatae: Animesh & AP Das 010, dated 17. 01. 2009.

Trees, branchlets 4 angled; lamina ovate-elliptic to ovate, entire, acuminate to obtuse, base cuneate and de-current, papery; cymes in much branched spreading panicles; flowers fragrant; corolla white; fruit globose, minutely tomentose.

Local distribution: Core areas of forest; all planted.

Vitex quinata (Loureiro) F.N. Williams, *Bull. Herb. Boissier II*, 5: 431. 1905. *Cornutia quinata* Loureiro, *Fl. Cochinch.* 2: 387. 1790. L.N.: *Panchpate*

Exsiccatae: Animesh & AP Das 245, dated 19. 09. 2009.

Evergreen trees; leaves 3-5-foliolate; leaflets obovate-elliptic, entire, acuminate, acute, or obtuse, base cuneate, thickly papery; panicles terminal, lax; flowers yellowish; fruit black, obovoid to globose.

Local distribution: River side forests.

LAURACEAE

Actinodaphne obovata (Nees) Blume, *Mus. Bot. 1*: 342. 1851. *Tetradenia obovata* Nees in Wallich, *Pl. Asiat. Rar. 2*: 64. 1831. L.N.: *Runche*

Exsiccatae: *Animesh & AP Das 521*, dated 29. 09. 2010.

Small trees; leaves large, obovate, white bloomy below; lamina obovate, acuminate or acute, tip obtuse, base cuneate or rotund; racemes of 5 flowered umbels; flowers whitish; fruit oblong or ellipsoid.

Local distribution: Throughout the forests.

Cinnamomum glaucescens (Nees) Handel-Mazzetti, *Oesterr. Bot. Z. 85*: 214. 1936. *Laurus glaucescens* Buchanan-Hamilton ex Nees, *Pl. Asiat. Rar. 2*: 70. 1831. L.N.: *Malagiri*

Exsiccatae: *Animesh & AP Das 364*, dated 10. 02. 2010.

Evergreen trees; lamina green and shiny adaxially, ovate or ovate-lanceolate, entire, acuminate, base acute, leathery or subleathery, glabrous on both surfaces; flowers small, yellowish in axillary or terminal panicle.

Local distribution: Core areas of forest.

Cinnamomum tamala (Buchanan-Hamilton) T. Nees & Eberman, *Handb. Med.-Pharm. Bot. 2*: 426. 1831. *Laurus tamala* Buchanan-Hamilton, *Trans. Linn. Soc. London 13*: 555. 1822. L.N.: *Tezpat*

Exsiccatae: *Animesh & AP Das 242*, dated 19. 09. 2009.

Evergreen trees; scented bark; leaves alternate or those on young branchlets sometimes subopposite; lamina ovate, oblong, or lanceolate, entire, long acuminate, base acute or broadly cuneate, thinly leathery; panicle axillary or terminal; flowered many, whitish-green to yellowish; fruit obovoid or ellipsoid.

Local distribution: River side forests.

Cryptocarya amygdalina T. Nees, *Pl. Asiat. Rar. 2*: 69. 1831. L.N.: *Hallure*

Exsiccatae: *Animesh & AP Das 295*, dated 21. 09. 2009.

Trees, branchlets terete; leaves alternate; lamina elliptic or oblong, shortly acuminate, base acute or obtuse; umbels axillary; flowers yellow; fruit green, ellipsoid or narrowly ellipsoid.

Local distribution: Hill forest areas.

Litsea cubeba (Loureiro) Persoon, *Syn. Pl. 2*: 4. 1806. *Laurus cubeba* Loureiro, *Fl. Cochinch. 1*: 252. 1790. L.N.: *Dhaunli*

Exsiccatae: *Animesh & AP Das 519*, dated 29. 09. 2010.

Deciduous trees; leaves alternate; lamina lanceolate, oblong, or elliptic, acuminate or acute, base cuneate; umbels solitary or clustered, 4-6 flowered; flowers whitish; fruit subglobose.

Local distribution: Through out the forests.

Litsea glutinosa (Loureiro) Charles Robinson, *Philipp. J. Sci., C 6*: 321. 1911. *Sebifera glutinosa* Loureiro, *Fl. Cochinch. 2*: 638. 1790. L.N.: *Dudh Seola*

Exsiccatae: *Animesh & AP Das 463*, dated 25. 09. 2010.

Deciduous trees; leaves alternate; lamina obovate-oblong, or elliptic-lanceolate, obtuse or rounded, base cuneate, obtuse, or rotund; umbels solitary, few flowered; flowers yellowish; fruit globose.

Local distribution: Throughout the forests.

Litsea laeta (Wallich ex T. Nees) Hooker f., *Fl. Brit. India 5*: 169. 1886. *Tetranthera laeta* Wallich ex T. Nees, *Pl. Asiat. Rar. 2*: 67. 1831. L.N.: *Jhakre Seola*

Exsiccatae: *Animesh & AP Das 152*, dated 07. 02. 2009.

Trees, evergreen; lamina elliptic or oblanceolate-elliptic, entire, apex and base acute; flowers in umbellate cymes or panicles; flowers yellowish; fruits ellipsoid, green.

Local distribution: Hill forest areas.

Litsea monopetala (Roxburgh) Persoon, *Syn. Pl. 2*: 4. 1806. *Tetranthera monopetala* Roxburgh, *Pl. Coromandel 2*: 26. 1798. L.N.: *Kutmero*

Exsiccatae: *Animesh & AP Das 430*, dated 17. 05. 2010.

Evergreen trees; leaves alternate; lamina broadly ovate or obovate to ovate-oblong, obtuse or rounded, rarely acute, base rounded or acute; umbels clustered on shortest branchlets, 4-6 yellow-white flowered; fruit long ovoid, seated on shallowly discoid perianth tube.

Local distribution: Road side and stream side vegetation.

Litsea pungens Hemsley, J. Linn. Soc., Bot. 26: 384. 1891.

Exsiccatae: *Animesh & AP Das 099*, dated 19. 01. 2009.

Deciduous trees; leaves alternate, often clustered at apex of branchlet; lamina lanceolate or obovate-lanceolate, shortly acute, base cuneate; umbel axillary, 8-12-flowered; flowers yellow; fruit globose, blue-black at maturity.

Local distribution: Marginal forest areas and stream side vegetation.

Litsea salicifolia (Roxburgh ex Nees) Hooker f., *Fl. Brit. India 5*: 167. 1886. *Tetranthera salicifolia* Roxburgh ex Nees in Wallich, *Pl. Asiat. Rar. 2*: 66. 1831. L.N.: *Kainjale*

Exsiccatae: *Animesh & AP Das 372*, dated 10. 02. 2010.

Evergreen trees; leaves alternate; lamina long elliptic, acuminate or acute, base acute; umbels axillary, males 4-6 flowered; flowers yellowish; fruit oblong.

Local distribution: Core areas of forest.

Machilus gamblei King ex Hooker f., *Fl. Brit. India 5(13)*: 138. 1886. L.N.: *Kawlo*

Exsiccatae: *Animesh & AP Das 415*, dated 16. 05. 2010.

Trees; branchlets slender, terete; lamina oblong, obovate, or oblanceolate, thinly leathery; umbels axillary; flowers white or yellowish; fruit globose, blackish when ripe.

Local distribution: Hill forest areas.

Machilus glaucescens (T. Nees) Wight, *Icon. Pl. Ind. Orient. 5(2)*: 12. 1852. *Ocotea glaucescens* Nees in Wallich, *Pl. Asiat. Rar. 2*: 71. 1831. L.N.: *Kawlo*

Exsiccatae: *Animesh & AP Das 214*, dated 13. 05. 2009.

Large trees, branchlets blackish brown, longitudinally striate; lamina broadly elliptic-lanceolate, leathery; cymose panicles subterminal; flowers yellowish; fruit globose.

Local distribution: Core areas of forest.

Neocinnamomum caudatum (T. Nees) Merrill, *Contr. Arnold Arbor. 8*: 64. 1934. *Cinnamomum caudatum* T. Nees in Wallich, *Pl. Asiat. Rar. 2*: 76. 1831.

Exsiccatae: *Animesh & AP Das 112*, dated 20. 01. 2009.

Trees, branchlets terete; leaves alternate; ovate or ovate-oblong, acuminate, base cuneate, broadly cuneate, or subrounded, papery; flowers small in umbels, yellowish-green; fruit narrowly ellipsoid, red when ripe.

Local distribution: Hill forest areas.

LECYTHIDACEAE

Careya arborea Roxburgh, *Pl. Coromandel 3*: 14. 1819. L.N.: *Kumbhi*

Exsiccatae: *Animesh & AP Das 137*, dated 06. 02. 2009.

Trees; lamina large, broadly round, entire, obtuse or bluntly acute; flowers solitary, axillary or branch sub terminal; petals white; fruits globose, yellowish green.

Local distribution: Marginal forest areas and stream sides.

LINDERNIACEAE

Lindernia ciliata (Colsmann) Pennell, *Brittonia 2*: 182. 1936. *Gratiola ciliata* Colsmann, *Prodr. Descr. Gratiol.* 14. 1793.

Exsiccatae: *Animesh & AP Das 023*, dated 17. 01. 2009.

Annual, much branched, erect or diffuse; lamina oblong to lanceolate-oblong, densely aristate-serrate, acute, base amplexicaul, glabrous; racemes terminal; flowers white; capsules cylindrical.

Local distribution: River valley.

Lindernia crustacea (Linnaeus) F. Mueller, *Syst. Census Austral. Pl.* 97. 1882. *Capraria crustacea* Linnaeus, *Mant. Pl.* 1: 87. 1767. L.N.: *Domrusaag*

Exsiccatae: *Animesh & AP Das 131*, dated 05. 02. 2009.

Annual herbs, much branched; lamina triangular-ovate to broadly ovate, shallowly crenate to serrate, obtuse to subacute, base broadly cuneate to rounded, pilose to subglabrous; flowers axillary-solitary or in short apical racemes; flowers bluish pink; capsules broadly ellipsoid.

Local distribution: River valley.

Lindernia parviflora (Roxburgh) Haines, *Bot. Bihar Orissa* 635. 1922. *Gratiola parviflora* Roxburgh, *Pl. Coromandel* 3: 3. 1811. L.N.: *Aalujhaar*

Exsiccatae: *Animesh & AP Das 241*, dated 19. 09. 2009.

Erect, much branched, glabrous herbs; lamina ovate to broadly ovate, shallowly crenate to serrate, subacute, base broadly cuneate, subglabrous; flowers axillary, solitary, pink; capsules ellipsoid.

Local distribution: River valley.

Torenia cordifolia Roxburgh, *Pl. Coromandel* 2: 52, pl. 161. 1798. L.N.: *Kyamuna*

Exsiccatae: *Animesh & AP Das 075*, dated 18. 01. 2009.

Annuals, erect with prostrate branches from base; lamina ovate to cordate, coarsely triangular-serrate, acute, base cuneate and decurrent, sparsely villous; flowers in axillary fascicles, blue-purple; capsules oblong.

Local distribution: River side open forest areas.

LOGANIACEAE

Strychnos nux-vomica Linnaeus, *Sp. Pl.* 189. 1753. L.N.: *Kak Bhalayo*

Exsiccatae: *Animesh & AP Das 202*, dated 12. 05. 2009.

Trees; lamina suborbicular or elliptic-ovate, entire, short acuminate to acute, base rounded to cordate, glabrous and shiny above; flowers 5-merous, white; berry orange when ripe, globose.

Local distribution: Hill forest areas.

LYTHRACEAE

Duabanga grandiflora (A.P. de Candolle) Walpers, *Repert. Bot. Syst.* 2: 114. 1843. *Lagerstroemia grandiflora* Roxburgh ex Candolle, *Mém. Soc. Hist. Nat. Genève* 32: 84. 1826. L.N.: *Lampate*

Exsiccatae: *Animesh & AP Das 189*, dated 11. 05. 2009.

Trees; lamina broadly ovate to oblong, entire, shortly acuminate, base cordate; corymbs broad, drooping at branch ends; flowers white; capsules subglobose, 6–9-valved.

Local distribution: River side forest areas.

Lagerstroemia hypoleuca Kurz, *Rep. Veg. Andaman Isl. App. viii:* 2. 1870.

Exsiccatae: *Animesh & AP Das 163*, dated 07. 02. 2009.

Trees; inflorescence terminal racemes; lamina elliptic or oblong-elliptic, entire, shortly acuminate, base acute to attenuate, thinly leathery; flowers purple; capsules oblong.

Local distribution: Core forest areas.

Lagerstroemia parviflora Roxburgh, *Pl. Coromandel* 1: 48. 1796. L.N.: *Sidha*

Exsiccatae: *Animesh & AP Das 332*, dated 07. 02. 2010.

Trees, bark gray; lamina ovate elliptic, entire, acute, base attenuate; flowers numerous in terminal racemes, small, white, hypanthium tomentose; capsules oblong.

Local distribution: Core forest areas.

Lagerstroemia speciosa (Linnaeus) Persoon, *Syn. Pl.* 2: 72. 1806. *Munchausia speciosa* Linnaeus, *Hausvater* 5: 257. 1770. L.N.: *Jarul*

Exsiccatae: Animesh & AP Das 439, dated 25. 09. 2010.

Trees; lamina oblong-elliptic, entire, shortly acuminate, base acute, thinly leathery; flowers many in terminal broad panicle; flowers purple; capsules oblong, 6 valved.

Local distribution: Core forest areas.

Woodfordia fruticosa (Linnaeus) Kurz, *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist.* 40(2): 56. 1871.

Lythrum fruticosum Linnaeus, *Syst. Nat.*, ed. 10, 2: 1045. 1759. L.N.: Dhnoero

Exsiccatae: Animesh & AP Das 494, dated 27. 09. 2010.

Shrubs, branches flexuous; lamina lanceolate to ovate-lanceolate, entire, acuminate, base rounded to subcordate, leathery, orange to black glandular punctate; flowers axillary, crowded, red-orange; capsules elongate, elliptic.

Local distribution: Hill forest areas.

MAGNOLIACEAE

Magnolia champaca (Linnaeus) Baillon ex Pierre, *Fl. Forest. Cochinch. t. 3.* 1880. *Michelia champaca*

Linnaeus, *Sp. Pl.* 536. 1753. L.N.: Chanp

Exsiccatae: Animesh & AP Das 371, dated 10. 02. 2010.

Trees; lamina elliptic or ovate, entire, long acuminate to subcaudate, base broadly cuneate or rounded; flowers terminal, fragrant, yellow; mature carpels obovoid-ellipsoid, tuberculate.

Local distribution: Road side forest areas.

Magnolia pterocarpa Roxburgh, *Pl. Coromandel 3:* 62. 1820. L.N.: Patpate

Exsiccatae: Animesh & AP Das 533, dated 29. 09. 2010.

Trees; lamina elliptic or ovate - elliptic, entire, long acuminate, base broadly cuneate; flowers terminal, solitary, fragrant, yellow; mature carpels obovoid.

Local distribution: Core areas of forest.

MALVACEAE

Bombax ceiba Linnaeus, *Sp. Pl.* 511. 1753. L.N.: Shimal

Exsiccatae: Animesh & AP Das 276, dated 20. 09. 2009.

Trees, branches spreading; leaflets 5–7, blades oblong to oblong-lanceolate, entire, acuminate, base broad or tapering, glabrous; flowers solitary and terminal, orange-red; capsule ellipsoid.

Local distribution: Core area forests.

Firmiana colorata (Roxburgh) Robert Brown, *Pterocymbium 235.* 1844. *Sterculia colorata* Roxburgh, *Pl. Coromandel 1:* 26. 1795. L.N.: Phirphire

Exsiccatae: Animesh & AP Das 119, dated 20. 01. 2009.

Deciduous trees; lamina broadly cordate, 3–5-lobed, lobes entire, obtuse, base deeply cordate, thinly leathery; cymose-paniculate, densely orange-red stellate puberulent; flowers orange red; follicle stalked, remain open exposing seeds, reddish when mature.

Local distribution: Core area forests.

Grewia sclerophylla Roxburgh ex G. Don, *Gen. Hist. 1:* 550. 1831.

Exsiccatae: Animesh & AP Das 529, dated 29. 09. 2010.

Small trees; lamina ovate to ovate-oblong, densely serrulate, acute, base rounded, leathery, stellate; cymes axillary, 1–3 flowered; flowers bisexual, yellowish; drupes 4-lobed.

Local distribution: Hill area forests.

Grewia serrulata de Candolle, *Prodr. 1:* 510. 1824. L.N.: Chipley

Exsiccatae: Animesh & AP Das 318, dated 07. 02. 2010.

Small trees; lamina oblong-lanceolate, serrulate, long acuminate, base cuneate or broadly cuneate, papery; cymes axillary, 3–7 flowered; flowers yellowish; drupes 4-lobed, glabrous.

Local distribution: Core areas of forest.

Kydia calycina Roxburgh, Pl. Coromandel 3: 11. 1811 ["1819"].

Exsiccatae: Animesh & AP Das 164, dated 07. 02. 2009.

Small trees; lamina nearly rounded, usually palmately 3–5-lobed, sparsely denticulate, acute or obtuse, base rounded or nearly cordate; cymes axillary; flowers reddish; capsules globose with winged persistent epicalyx.

Local distribution: Marginal forest areas and stream side.

Pterospermum acerifolium (Linnaeus) Willdenow, *Sp. Pl.* 3: 729. 1800. *Pentapetes acerifolia* Linnaeus, *Sp. Pl.* 698. 1753. L.N.: Hatipaile

Exsiccatae: Animesh & AP Das 184, dated 11. 05. 2009.

Large trees, bark smooth; lamina nearly orbicular or oblong, lobed, entire or crenate, truncate, rounded or pointed, base cordate, leathery; juvenile leaves palmately lobed, peltate; flowers solitary, axillary, fragrant, white; capsules woody, cylindrical.

Local distribution: Core area forests.

Pterygota alata (Roxburgh) Robert Brown, *Pterocymbium* 234. 1844. *Sterculia alata* Roxburgh, Pl. Coromandel 3: 84. 1811 ["1819"]. L.N.: Narikeli

Exsiccatae: Animesh & AP Das 390, dated 14. 05. 2010.

Huge trees, crown at upper part of stem; lamina cordate or broadly ovate, nearly entire, acute, base truncate, cordate or rounded; flowers solitary, red; follicles woody, compressed globose.

Local distribution: Core area forests.

Sida acuta Burman f., *Fl. Indica* 147. 1768. L.N.: Ballu Jhaar

Exsiccatae: Animesh & AP Das 139, dated 06. 02. 2009.

Erect annual herbs, much branched; lamina ovate-oblong or linear-lanceolate, dentate, sometimes partly entire toward its base, acute or acuminate, base obtuse; pair of stipule dissimilar; flowers solitary or paired, axillary, sometimes congested at stem apex; petals light yellow; schizocarp nearly globose.

Local distribution: Road side forest area.

Sida rhombifolia Linnaeus, *Sp. Pl.* 684. 1753. L.N.: Ballu Jhaar

Exsiccatae: Animesh & AP Das 500, dated 28. 09. 2010.

Erect, profusely branched under-shrubs; lamina rhombic to oblong-lanceolate or obovate, rarely linear-lanceolate, dentate, obtuse to acute, base broadly cuneate; flowers solitary, axillary; petals yellow; fruits semiglobose.

Local distribution: Throughout the forests.

Sterculia villosa Roxburgh, *Fl. Ind., ed.* 1832 3: 153–154. 1832. L.N.: Odal

Exsiccatae: Animesh & AP Das 253, dated 19. 09. 2009.

Deciduous trees, branchlets robust; leaves simple; lamina palmately 3–7 lobed, central lobe broadly ovate, lobes entire, caudate, base broadly cordate; panicles appear on leafless branchlets; flowers yellow; follicles narrowly ellipsoid.

Local distribution: Stream side forests.

Triumfetta rhomboidea Jacquin, *Enum. Syst. Pl.* 22. 1760. L.N.: Dollekuro

Exsiccatae: Animesh & AP Das 185, dated 11. 05. 2009.

Subshrubs; lamina broadly ovate-orbicular to rhomboid, or broadly ovate, 3-lobed, irregularly bluntly serrate, acute, base broadly cuneate; cymes axillary, 3–5 flowered; flower buds cylindrical; corolla yellow; capsules globose, spiny.

Local distribution: Throughout the forests.

MELASTOMATACEAE

Osbeckia chinensis Linnaeus, *Sp. Pl.* 1: 345–346. 1753. L.N.: Dantrangi

Exsiccatae: Animesh & AP Das 020, dated 17. 01. 2009.

Erect under-shrubs, strigose; stems 4-sided, appressed strigose; lamina linear, linear-lanceolate, oblong-ovate, elliptic-ovate, or sometimes ovate-lanceolate, entire, acute, base obtuse, subrounded, rounded, or subcordate, stiffly papery; flowers terminal, capitate, 2–8-flowered, white; capsule purplish red, ovoid-globose.

Local distribution: Riverside forest areas.

MELIACEAE

Aglaia lawii (Wight) C. J. Saldanha ex Ramamoorthy in C. J. Saldanha & Nicolson, Fl. Hassan Dist. 392. 1976. *Nimmonia lawii* Wight, Calcutta J. Nat. Hist. 7: 13. 1847.

Exsiccatae: Animesh & AP Das 196, dated 12. 05. 2009.

Small trees; branches grayish, pale to yellowish lepidote; leaves alternate; lamina elliptic, oblong, ovate-lanceolate, or lanceolate, acuminate to obtuse, base rounded or ± oblique and conspicuously decurrent on one side and rounded on other, papery to leathery; thyrses axillary; flowers unisexual, greenish white; fruit dehiscent, ellipsoid, globose, or pyriform with base gradually constricted.

Local distribution: Core areas of forest.

Aglaia perviridis Hiern, Fl. Brit. India 1: 556. 1875. L.N.: Charpate

Exsiccatae: Animesh & AP Das 477, dated 26. 09. 2010.

Small trees; branchlets dark gray, with scattered small yellowish lenticels; leaflets alternate to subopposite; lamina oblong-elliptic or ovate, acuminate, base cuneate to subrotund, subleathery; thyrses axillary; flowers white; fruit indehiscent, oblong and curved.

Local distribution: Core areas of forest.

Aglaia spectabilis (Miquel) S.S. Jain & S. Bennet, Indian J. Forest. 9: 271. 1986 publ. 1987. *Amoora spectabilis* Miquel, Ann. Mus. Bot. Lugduno-Batavi 4: 37. 1868. L.N.: Khopote Lali

Exsiccatae: Animesh & AP Das 044, dated 17. 01. 2009.

Small trees; leaves alternate; leaflets opposite; petiolules 1-1.5 cm, thick, adaxially sulcate and stellately lepidote; lamina oblong-elliptic, reflexed, acuminate, base truncate to rounded; thyrses axillary; flower buds ovoid; petals white; fruit dehiscent, obovoid to pyriform.

Local distribution: Hill slope and core forest areas.

Amoora rohituka (Roxburgh) Wight & Arnott, Cat. Ind. Pl. 24. 1833. *Andersonia rohituka* Roxburgh, Fl. Ind. 2: 213. 1824. L.N.: Lali

Exsiccatae: Animesh & AP Das 220, dated 14. 05. 2009.

Large trees; lamina oblong-elliptic, elliptic, or ovate, entire, caudate-acuminate to obtuse, base oblique and cuneate to broadly cuneate or sometimes one side rounded; thyrses axillary; flowers with 3 bracteoles, creamy; capsule spherical-pyriform to nearly ovoid.

Local distribution: Core areas of forest.

Aphanamixis polystachya (Wallich) R. Parker, Indian For. 57: 486. 1931. *Aglaia polystachya* Wallich in Roxburgh, Fl. Ind. 2: 429. 1824. L.N.: Lahsune Lali

Exsiccatae: Animesh & AP Das 062, dated 18. 01. 2009.

Trees; leaves odd- or even- pinnate; leaflets opposite; lamina oblong-elliptic, elliptic, or ovate, entire, caudate-acuminate to obtuse, base oblique and cuneate to broadly cuneate or sometimes one side rounded, subleathery to leathery when mature; corymbs axillary; flowers with 3 bracteoles; capsule spherical-pyriform to nearly ovoid.

Local distribution: Core areas of forest.

Chisocheton cumingianus (Casimir de Candolle) Harms, Nat. Pflanzenfam. 3(4): 296. 1896.

Dasycoleum cumingianum Casimir de Candolle, Monogr. Phan. 1: 541. 1878. L.N.: Bandare Lali

Exsiccatae: Animesh & AP Das 175, dated 11. 05. 2009.

Trees; lamina oblong to oblong-lanceolate, entire, acuminate, base broadly oblique with one side cuneate and other side cuneate to rounded, papery to leathery; thyrses axillary, usually as long as or longer than

leaves; flowers pale pink; capsule salmon-colored when mature, pyriform-globose.

Local distribution: Core areas of forest.

Chukrasia tabularis A. Jussieu, *Mém. Mus. Hist. Nat.* 19: 251. 1830. L.N.: *Chikrasi*

Exsiccatae: *Animesh & AP Das* 259, dated 19. 09. 2009.

Trees; bark of old branches exfoliating; lamina ovate to oblong-lanceolate, entire, acute to acuminate, base oblique, papery; thyrses axillary; flowers creamy, fragrant; capsule yellowish gray to brown, subglobose to oblong.

Local distribution: Core areas of forest.

Cipadessa baccifera (Roth) Miquel, *Ann. Mus. Bot. Lugduno-Batavi* 4: 6. 1868. *Melia baccifera* Roth, *Nov. Pl. Sp.* 215. 1821.

Exsiccatae: *Animesh & AP Das* 200, dated 12. 05. 2009.

Trees; bark coarse; young branches grayish brown, ribbed; leaflets opposite; lamina ovate to ovoid-oblong, entire or apical half serrate, acute, acuminate, or mucronate, base oblique and rounded, cuneate, or broadly cuneate, papery; thyrses corymbose; flowers yellow; fruit purple to black when mature, globose.

Local distribution: Core areas of forest.

Dysoxylum gotadhora (Buchanan-Hamilton) Mabblerley, *Fl. China* 11: 127. 2008. *Guarea gotadhora* Buchanan-Hamilton, *Mem. Wern. Nat. Hist. Soc.* 6: 307. 1 Jan 1832. L.N.: *Lahsune*

Exsiccatae: *Animesh & AP Das* 460, dated 25. 09. 2010.

Trees; leaflets alternate; lamina oblong, oblong-elliptic, or lanceolate, acuminate, base oblique and cuneate to \pm rounded, thickly papery; thyrses axillary, much shorter than leaves; flowers yellow; capsule obovoid, pyriform, or subglobose.

Local distribution: Road side forest and stream side areas.

Dysoxylum mollissimum Blume, *Bijdr.* 175. 1825.

Exsiccatae: *Animesh & AP Das* 191, dated 11. 05. 2009.

Small trees; leaflets opposite to subopposite; lamina oblong to oblong-lanceolate, acuminate, base oblique, membranous; thyrses axillary; flowers yellow; capsule yellow when dry, globose.

Local distribution: Marginal forest and stream side areas.

Sphaerosacme decandra (Wallich) T.D. Pennington, *Blumea* 22: 489. 1975. *Synonymous with Sphaerosacme decandra* Wallich [Publication reference not available]; *Aglaia decandra* Roxburgh, *Fl. Ind.* 2:427. 1824.

Exsiccatae: *Animesh & AP Das* 215, dated 13. 05. 2009.

Small trees; lamina oblong to oblong-lanceolate, entire, acuminate, base broadly oblique with one side cuneate; thyrses axillary; flowers yellow.

Local distribution: Hill area forests.

Swietenia macrophylla King, *Hooker's Icon. Pl.* 16: t. 1550. 1886.

Exsiccatae: *Animesh & AP Das* 187, dated 11. 05. 2009.

Large trees; lamina ovate to lanceolate, entire or with 1 or 2 serrations, long acuminate, base oblique, leathery; thyrses axillary with new leaves; flowers small, greenish white; Capsule brown, ovoid.

Local distribution: Core areas of forest.

Toona ciliata M. Roemer, *Fam. Nat. Syn. Monogr.* 1: 139. 1846. L.N.: *Tuni*

Exsiccatae: *Animesh & AP Das* 418, dated 16. 05. 2010.

Medium trees; trunk with or without buttresses, strong smell of cedar when cut; lamina lanceolate to ovate-lanceolate, entire, acute to acuminate, base usually asymmetric; inflorescence branches corymbose; flowers small white, sweetly scented; capsule.

Local distribution: Road side areas.

Walsura robusta Roxburgh, Fl. Ind., ed. 1832, 2: 386. 1832.

Exsiccatae: Animesh & AP Das 197, dated 12. 05. 2009.

Trees; leaflets opposite; lamina oblong, elliptic, or lanceolate, acuminate, base cuneate, thinly leathery; thyrses sparsely pubescent; flowers white; berry globose to ovoid, densely covered with yellowish gray trichomes.

Local distribution: Core areas of forest.

MENISPERMACEAE

Cissampelos pareira Linnaeus, Sp. Pl. 1031. 1753.

Exsiccatae: Animesh & AP Das 040, dated 17. 01. 2009.

Slender perennial twiner; lamina cordate-rotund or rotund, entire, often emarginate, with a mucronate acumen, base often cordate, sometimes subtruncate, rarely slightly rounded, papery; cymes corymbose on old wood; flowers greenish; drupes pubescent; endocarp broadly obovate.

Local distribution: Throughout the forests.

Parabaena sagittata Miers, Ann. Mag. Nat. Hist., ser. 2 7: 39. 1851. L.N.: Pad Larang

Exsiccatae: Animesh & AP Das 134, dated 06. 02. 2009.

Perennial twiner; stems and branches striate; lamina broadly ovate or oblong-ovate, sparsely serrate to dentate, rarely entire, acuminate, palmately 5-7-veined, abaxially densely pannose-tomentose, adaxially sparsely puberulent or sometimes subglabrous, base sagittate, lobes mucronate or rounded, papery or membranous when dry; inflorescence dichotomously branched axillary cymes; flowers creamy; drupes subglobose and slightly flattened.

Local distribution: Throughout the forests.

Stephania glabra (Roxburgh) Miers, Ann. Mag. Nat. Hist., ser. 3, 18: 14. 1866. *Cissampelos glabra* Roxburgh, Fl. Ind., ed. 1832, 3: 840. 1832.

Exsiccatae: Animesh & AP Das 012, dated 17. 01. 2009.

Perennial twiners with tuberous rootstock; stems striate, hollow; lamina narrowly peltate, broadly ovate or rotund, apical margin horned, palmately veined, base rounded, papery or membranous; flowers in axillary pedunculate umbels; petals greenish; drupes obovate, flattened.

Local distribution: Throughout the forests.

Stephania hernandiifolia (Willdenow) Walpers, Repert. Bot. Syst. 1: 96. 1842. *Cissampelos hernandiifolia* Willdenow, Sp. Pl. 4: 861. 1806.

Exsiccatae: Animesh & AP Das 084, dated 19. 01. 2009.

Slender twiner; lamina conspicuously peltate, usually triangular-rotund or broadly triangular-ovate to rotund, entire, with a finely mucronate acumen, base usually broadly rounded; small white flowers in axillary clusters, glabrous; drupes red, obovate to subglobose.

Local distribution: Throughout the forests.

Stephania japonica (Thunberg) Miers, Ann. Mag. Nat. Hist., ser. 3 18: 14. 1866. *Menispermum japonicum* Thunberg in Murray, Syst. Veg., ed. 14, 892. 1784.

Exsiccatae: Animesh & AP Das 074, dated 18. 01. 2009.

Perennial twiners with tuberous rootstock; stems slender, slightly woody; lamina conspicuously peltate, usually triangular-rotund or broadly triangular-ovate to rotund, apex with a finely mucronate acumen, base usually broadly rounded, thinly leathery; umbels often borne on mature leafless branches; flowers greenish in axillary clusters, pubescens; drupes red, obovate to subglobose.

Local distribution: Core areas of forest.

Tinospora crispa (Linnaeus) Hooker f. & Thomson, Fl. Ind. 1: 183. 1855. *Menispermum crispum* Linnaeus, Sp. Pl., ed. 2, 2: 1468. 1763.

Exsiccatae: *Animesh & AP Das 118*, dated 20. 01. 2009.

Large twiner; old stems fleshy, with very prominent blunt tubercles; lamina broadly ovate to orbicular, lobes rounded, entire, acuminate, base deeply to shallowly cordate, thinly papery when dried; male flowers in few flowered clusters, single female flower borne in axis; flowers white; drupes orange, subglobose.

Local distribution: Road side forest area.

Tinospora sinensis (Loureiro) Merrill, *Sunyatsenia* 1: 193. 1934. *Campylus sinensis* Loureiro, *Fl. Cochinch.* 1: 113. 1790.

Exsiccatae: *Animesh & AP Das 171*, dated 07. 02. 2009.

Large twiner; stems slightly fleshy, green when young, striate; lamina broadly ovate to subrotund, rarely broadly ovate, margin entire, acutely acuminate, base deeply to slightly cordate, papery; male flowers in few flowered clusters, single female flower borne along axis; flowers whitish; drupes red, subglobose.

Local distribution: Stream side forests.

MORACEAE

Artocarpus chama Buchanan-Hamilton, *Mem. Wern. Nat. Hist. Soc.* 5: 331. 1826. L.N.: *Lator*

Exsiccatae: *Animesh & AP Das 077*, dated 18. 01. 2009.

Erect deciduous tree, shoot brownish hispid, branchlets furrowed when dry; lamina elliptic, oblong, or ovate, entire or \pm crenate, acute to shortly acuminate, base broadly cuneate to rounded; flower-heads ellipsoid; drupes ellipsoid.

Local distribution: River side forest areas.

Ficus hederacea Roxburgh, *Fl. Ind.* 3: 538. 1832.

Exsiccatae: *Animesh & AP Das 135*, dated 06. 02. 2009.

Climbing shrubs, profusely branched; stems and branchlets with aerial roots at nodes; lamina elliptic to ovate-elliptic, entire, obtuse to occasionally rounded, base broadly cuneate to obtuse, both sides with papillate cystoliths; figs axillary on leafy or on leafless branchlets, solitary or paired, subglobose, green; achenes ellipsoid.

Local distribution: Stream side hill slope (prefer moist areas).

Ficus hispida Linnaeus f., *Suppl. Pl.* 442. 1782. L.N.: *Ramgua*

Exsiccatae: *Animesh & AP Das 329*, dated 07. 02. 2010.

Small dioecious tree; leaves opposite; lamina ovate, oblong, or obovate-oblong, entire or bluntly toothed, acute to mucronate, base rounded to \pm cuneate, thickly papery; figs solitary or several, axillary or in short raceme, globose, greenish.

Local distribution: Throughout the forests.

Ficus neriifolia Smith, *Cycl.* 14: 21. 1810. L.N.: *Latka, Kusum*

Exsiccatae: *Animesh & AP Das 019*, dated 17. 01. 2009.

Tree, branches glabrous, leaf traces and stipular scars conspicuous; lamina elliptic, ovate, ovate-elliptic, or ovate-lanceolate, entire, acuminate to caudate, base cuneate to rounded, leathery; figs smooth when mature, yellowish green; achenes smooth.

Local distribution: River valley.

Ficus racemosa Linnaeus, *Sp. Pl.* 1060. 1753. L.N.: *Dumri*

Exsiccatae: *Animesh & AP Das 310*, dated 22. 09. 2009.

Trees upto 3-10m, monoecious; leaves alternate; lamina elliptic-obovate, elliptic, or narrowly elliptic, entire, acuminate to obtuse, base cuneate to obtuse; subglobose figs born on long slender lateral leafless shoots, rarely axillary.

Local distribution: Hill slope and core forest areas.

Ficus religiosa Linnaeus, *Sp. Pl.* 1059. 1753. L.N.: *Pipal*

Exsiccatae: Animesh & AP Das 387, dated 14. 05. 2010.

Tree to 20 m, often epiphytic; leaf blade triangular-ovate, entire or undulate, acute to caudate with a 2-5 cm cauda, base broadly cuneate to cordate, leathery; figs small, reddish when ripe.

Local distribution: Stream side hill slope.

Ficus sarmentosa Buchanan-Hamilton ex Smith in Rees, *Cycl.* 14: *Ficus* no. 45. 1810. L.N.: *Labar Larang*

Exsiccatae: Animesh & AP Das 228, dated 14. 05. 2009.

Lianas; leaves distichous; lamina ovate, ovate-elliptic, elliptic-lanceolate, lanceolate, or oblong, entire, acute to acuminate, base rounded to broadly cuneate, leathery; figs axillary on leafy or on leafless branchlets, solitary or occasionally paired, blackish purple when mature; achenes ovoid-ellipsoid.

Local distribution: River side areas.

Ficus semicordata Buchanan-Hamilton ex Smith, *Cycl.* 14: 71. 1810. L.N.: *Khanyo*

Exsiccatae: Animesh & AP Das 252, dated 19. 09. 2009.

Large tree; leaves distichous; lamina oblong-lanceolate, strongly asymmetric, with small teeth or entire, acuminate, base obliquely cordate on one side and auriculate on other side, papery; globose figs born on axils of fallen leaves, yellowish; achenes broadly ovoid, apically slightly concave on one side.

Local distribution: Hill area forests.

Streblus asper Loureiro, *Fl. Cochinch.* 1: 615. 1790. L.N.: *Seuri*

Exsiccatae: Animesh & AP Das 054, dated 17. 01. 2009.

Small trees, scabrous; leaves shortly petiolate or sessile; lamina elliptic-obovate to elliptic, entire or irregularly crenate, blunt to shortly acuminate, base obtuse to cordate, leathery; male flowers in small heads like clusters; females solitary, axillary, pedunculate; drupes yellow, globose, indehiscent.

Local distribution: In semi-open and open forest areas.

MYRISTICACEAE

Myristica longifolia Hooker f. & Thomson, *Fl. Ind.* 1: 156. 1855. L.N.: *Ramgua*

Exsiccatae: Animesh & AP Das 395, dated 15. 05. 2010.

Evergreen trees; lamina obovate-lanceolate, entire, acuminate or long acuminate, base rounded; pedicellate flowers urceolate or bell-shaped, rarely tubular; fruit nearly sessile, ellipsoid or ovoid.

Local distribution: Core areas of forest.

MYRTACEAE

Psidium guajava Linnaeus, *Sp. Pl.* 470. 1753. L.N.: *Pyara*

Exsiccatae: Animesh & AP Das 315, dated 07. 02. 2010.

Small trees, bark gray, smooth; lamina oblong to elliptic, acute to obtuse, base rounded, leathery; flowers solitary or 2 to 3 in cymes; petals white; berry globose, ovoid, or pyriform, with persistent calyx lobes at apex.

Local distribution: River valley.

Syzygium cumini (Linnaeus) Skeels, *Bull. Bur. Pl. Industr. U.S.D.A.* 248: 25. 1912. *Myrtus cumini* Linnaeus, *Sp. Pl.* 1: 471. 1753. L.N.: *Jamun*

Exsiccatae: Animesh & AP Das 169, dated 07. 02. 2009.

Trees, branchlets grayish white when dry; leaf blade broadly elliptic to narrowly elliptic, rounded to obtuse and with a short cusp leathery, base broadly cuneate to rarely rounded; inflorescences axillary on flowering branches, paniculate cymes; flowers white; fruit red to black, ellipsoid to pot-shaped.

Local distribution: Road side forest area.

Syzygium formosum (Wallich) Masamune, *Enum. Phan. Born.* 528. 1942. *Eugenia formosa* Wallich, *Pl. Asiat. Rar.* 2: 6. 1830. L.N.: *Amboke*

Exsiccatae: Animesh & AP Das 149, dated 06. 02. 2009.

Trees, branchlets 4-angled; lamina elliptic, obovate-elliptic or oblong, entire, obtuse, abruptly mucronate or slightly acute, base cuneate, leathery; panicles axillary and terminal on branches; flowers white; fruits dark red, rounded.

Local distribution: Throughout the forests.

Syzygium nervosum A.Cunningham ex de Candolle, *Prodr.* 3: 260. 1828.

Exsiccatae: Animesh & AP Das 206, dated 13. 05. 2009.

Trees, much-branched; lamina oblong to elliptic, entire, acute to acuminate, base broadly cuneate to slightly rounded, thinly leathery; panicles lateral on leafless branches; flowers white; fruits violet to black when mature, broadly ovoid.

Local distribution: On forest margin and stream side areas.

Syzygium praecox (Roxburgh) Rathakrishnan & N.C. Nair, *J. Econ. Taxon. Bot.* 4: 288. 1983. *Eugenia praecox* Roxburgh, *Fl. Ind. ed.* 1832 2: 488. 1832. L.N.: *Falame*

Exsiccatae: Animesh & AP Das 132, dated 05. 02. 2009.

Small trees; lamina narrowly elliptic to elliptic, acute, base cuneate, leathery; panicle of cymes terminal; flowers redish; fruits ellipsoid.

Local distribution: Core areas of forest.

NYCTAGINACEAE

Boerhavia diffusa Linnaeus, *Sp. Pl.* 1: 3. 1753. L.N.: *Lore saag*

Exsiccatae: Animesh & AP Das 248, dated 19. 09. 2009.

Perennial herbs, stems ascending; lamina ovate, repund, obtuse or acute, base rounded or cuneate, succulent; inflorescences terminal and subterminal, in 2–8 flowered clusters; flowers pink; fruits with sticky hairs.

Local distribution: River side forests.

OXALIDACEAE

Biophytum sensitivum (Linnaeus) de Candolle, *Prodr.* 1: 690. 1824. *Oxalis sensitiva* Linnaeus, *Sp. Pl.* 1: 434. 1753.

Exsiccatae: Animesh & AP Das 013, dated 17. 01. 2009.

Small annuals, stem simple; leaves uni-pinnate; lamina oblong to obovate-oblong, entire, base almost symmetric, glabrous; flowers several, in umbels, yellow; capsules ellipsoid-obovoid.

Local distribution: River side forests.

Oxalis corniculata Linnaeus, *Sp. Pl.* 435. 1753. L.N.: *Abijal*

Exsiccatae: Animesh & AP Das 018, dated 17. 01. 2009.

Small creeping herbs with runners; lamina obcordate, deeply emarginated; flower in umbellate clusters, yellow; capsule long cylindrical.

Local distribution: Throughout the forests.

PENTAPHYLACEAE

Eurya acuminata de Candolle, *Prodr.* 1: 525. 1824. L.N.: *Jhingane*

Exsiccatae: Animesh & AP Das 377, dated 14. 05. 2010.

Small trees, branchlets reddish brown; lamina lanceolate, oblong-lanceolate or rarely ovate-oblong, serrulate, caudate-acuminate with an obtuse tip, base cuneate, obtuse, or rounded, papery to thinly leathery; flowers axillary, solitary or to 3 in a cluster; petals greenish; fruits globose.

Local distribution: Core areas of forest.

Eurya cerasifolia (D. Don) Kobuski, *Ann. Missouri Bot. Gard.* 25: 3226. 1938 publ. 1937. *Diospyros cerasifolia* D. Don, *Prodr. Fl. Nepal.* 144. 1825. L.N.: Kalikath

Exsiccatae: *Animesh & AP Das* 108, dated 19. 01. 2009.

Trees, densely yellowish brown; lamina oblong to oblong-oblongate, basal ½ entire and upper ½ serrulate, acuminate to caudate-acuminate, base broadly cuneate to obtuse, leathery to thinly leathery; flowers in axillary cymes; males leathery, females slightly smaller.

Local distribution: Throughout the forests.

PHYLLANTHACEAE

Antidesma acidum Retzius, *Observ. Bot.* 5: 30. 1788. L.N.: Bhotey Archal

Exsiccatae: *Animesh & AP Das* 080, dated 18. 01. 2009; 151, dated 06. 02. 2009.

Shrubs; lamina obovate to elliptic-oblong, rounded to acute or acuminate, sometimes mucronate, base acute to obtuse, rarely attenuate, papery; spikes terminal to axillary, simple to branched twice at base; flowers white; drupes ellipsoid, nearly terete to laterally compressed.

Local distribution: River side forests.

Antidesma bunius (Linnaeus) Sprengel, *Syst. Veg.* 1: 826. 1824. *Stilago bunius* Linnaeus, *Mant. Pl.* 1: 122. 1767. L.N.: Archal

Exsiccatae: *Animesh & AP Das* 271, dated 20. 09. 2009.

Small trees; lamina oblong, elliptic to obovate, acute to rounded, base acute to rounded, leathery or thickly papery; racemes axillary or terminal, robust; flowers white, males sessile; drupes ellipsoid, laterally compressed, red to black when ripe.

Local distribution: Stream side hill slopes.

Aporosa octandra (Buchanan-Hamilton ex D. Don) Vickery, *Enum. Fl. Pl. Nepal* 3: 193. 1982. *Myrica octandra* Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 56. 1825. L.N.: Barkumble

Exsiccatae: *Animesh & AP Das* 120, dated 20. 01. 2009.

Small trees; lamina elliptic, narrowly ovate, oblong-elliptic, entire or sparsely shallowly dentate, rounded to acute, base rounded or cuneate, leathery; spikes axillary, females longer; flowers greenish; capsules ellipsoid.

Local distribution: Core areas of forest.

Bridelia sikkimensis Gehrmann, *Bot. Jahrb. Syst.* 41(95): 34. 1908. L.N.: Gayo Lahara

Exsiccatae: *Animesh & AP Das* 029, dated 17. 01. 2009.

Small trees; lamina obovate, sometimes elliptic, entire, rounded or truncate, rarely acute, sometimes with short acumen, base obtuse, rounded, or shallowly cordate, papery or thinly leathery; flowers in axillary monoecious clusters, yellowish-green.

Local distribution: River side forests.

Bridelia stipularis (Linnaeus) Blume, *Bijdr.* 597. 1826. *Clusia stipularis* Linnaeus, *Mant. Pl.* 1: 127. 1767. L.N.: Gayo Lahara

Exsiccatae: *Animesh & AP Das* 188, dated 11. 05. 2009.

Woody climbers; lamina elliptic, obovate or rounded, entire, acute or obtuse, base obtuse to rounded, subleathery; 2–6 flowered clusters axillary; flowers yellowish; drupes ovoid.

Local distribution: Hill area forests.

Glochidion thomsonii (Müller Argoviensis) Hooker f., *Fl. Brit. India* 5: 318. 1887. *Phyllanthus thomsonii* Müller Argoviensis, *Flora* 48: 375. 1865. L.N.: Latikath

Exsiccatae: *Animesh & AP Das* 179, dated 11. 05. 2009.

Shrubs; lamina oblong or elliptic, acuminate to obtuse, base obtuse, leathery; inflorescence axillary clusters; flowers greenish; capsules depressed globose.

Local distribution: Hill forest areas.

Flueggea virosa (Roxburgh ex Willdenow) Royle, *Ill. Bot. Himal. Mts.* 328. 1836. *Phyllanthus virosus* Roxburgh ex Willdenow, *Sp. Pl.* 4: 578. 1805.

Exsiccatae: *Animesh & AP Das 216*, dated 14. 05. 2009.

Small shrubs, branches erect; lamina elliptic, oblong to obovate, entire, slightly revolute when dry, rounded to acute, mucronulate, base obtuse to cuneate; flowers in axillary clusters, yellowish; berry subglobose to obovate, bright white when ripe.

Local distribution: Stream side forests.

Phyllanthus acidus (Linnaeus) Skeels, *Bull. Bur. Pl. Industr. U.S.D.A.* 148: 17. 1909. *Averrhoa acida* Linnaeus, *Sp. Pl.* 428. 1753.

Exsiccatae: *Animesh & AP Das 502*, dated 28. 09. 2010.

Deciduous trees, monoecious; lamina elliptic or oblong, acute, apiculate, base obtuse to rounded, membranous, slightly glaucous abaxially; flowers axillary, solitary or in cymose fascicles; reddish; berries globose.

Local distribution: River valley.

Phyllanthus emblica Linnaeus, *Sp. Pl.* 982. 1753. **L.N.:** *Anmla*

Exsiccatae: *Animesh & AP Das 025*, dated 17. 01. 2009.

Deciduous monoecious trees; lamina oblong or linear-oblong, narrowly revolute, truncate, rounded or obtuse, mucronate or retuse at tip, base shallowly cordate and slightly oblique, papery to leathery; fascicles with male flowers and sometimes 1 - 2 larger female flowers; flowers yellowish; drupes globose.

Local distribution: River valley.

Phyllanthus fraternus G.L. Webster, *Contr. Gray Herb.* 176: 53. 1955. **L.N.:** *Kanchi saag*

Exsiccatae: *Animesh & AP Das 223*, dated 14. 05. 2009.

Erect annual herbs; lamina oblong or elliptic-oblong, obtuse or rounded and often apiculate, base rounded, membranous or thinly papery; flower in fascicles, males in lower axils, middle ones with 1 female and 1 male, yellowish white; capsules smooth.

Local distribution: Throughout the forests.

Sauropus compressus Müller Argoviensis, *Prodr.* 15(2): 243. 1866.

Exsiccatae: *Animesh & AP Das 358*, dated 09. 02. 2010.

Erect shrubs, branchlets compressed in upper portion; lamina ovate, elliptic, or rounded, rounded or obtuse, mucronate, base rounded or obtuse, membranous or thinly papery; cymes axillary, 1-2 flowered; flowers whitish; capsules ovoid.

Local distribution: Stream side hill slopes.

PIPERACEAE

Piper attenuatum Buchanan-Hamilton ex Miquel, *Syst. Piperac.* 306. 1843.

Exsiccatae: *Animesh & AP Das 082*, dated 18. 01. 2009.

Root-climbers; stems ridged and furrowed when dry; lamina ovate-orbicular or ovate, cuspidate or mucronate, base rounded to subcordate, usually truncate, membranous; spikes leaf-opposed, green; drupe drying black, ovoid to globose.

Local distribution: Throughout the forests.

Piper betloides Chaveer & Tanomtung, *Acta Phytotax. Geobot.* 58: 33. 2007. **L.N.:** *Gachpaan*

Exsiccatae: *Animesh & AP Das 026*, dated 17. 01. 2009.

Climbers, dioecious, stems rooted at nodes; lamina ovate to ovate-oblong, at apex of stem sometimes elliptic, papery to leathery, acuminate, base cordate, sometimes rounded; male spikes nearly as long as leaf blades at anthesis; drupes fused to form terete, fleshy.

Local distribution: Through out the forests.

Piper chuyva Miquel, *Syst. Piperac.* 267. 1843.

Exsiccatae: Animesh & AP Das 470, dated 26. 09. 2010.

Root-climbers; stems ridged and furrowed when dry; lamina toward base of stem elliptic to narrowly elliptic, oblong to oblong-lanceolate or ovate, acute to long acuminate, base oblique, 1 side rounded, other side tapered and acute, papery to thinly papery; male spikes slender, females erect.

Local distribution: Throughout the forests.

Piper khasianum Casimir de Candolle, *Prodr. 16(1): 349. 1869.*

Exsiccatae: Animesh & AP Das 501, dated 28. 09. 2010.

Root-climbers; stoloniferous; lamina ovate-orbicular or ovate, cuspidate or mucronate, base rounded to subcordate, usually truncate, membranous; dioecious, spikes leaf-opposed, green; drupes ovoid to globose.

Local distribution: Roadside forest areas.

Piper longum Linnaeus, *Sp. Pl. 29. 1753. L.N.: Pipla*

Exsiccatae: Animesh & AP Das 455, dated 25. 09. 2010.

Root-climbers; lamina of basal leaves ovate to reniform, those of upper leaves ovate to ovate-oblong, densely glandular, acute to acuminate, base cordate, papery; dioecious; spikes leaf-opposed, recurved; drupes globose.

Local distribution: River valley.

Piper mullesua Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal. 20. 1825. L.N.: Chabuk*

Exsiccatae: Animesh & AP Das 287, dated 21. 09. 2009.

Woody root-climbers; lamina elliptic or narrowly elliptic or ovate-lanceolate, without glands, caudate-acuminate, base cuneate, symmetric or slightly oblique, papery to thinly leathery; spikes leaf-opposed; drupes obovoid.

Local distribution: Throughout the forests.

Piper peepuloides Roxburgh, *Fl. Ind. 1: 159. 1820. L.N.: Gach Pipla*

Exsiccatae: Animesh & AP Das 475, dated 26. 09. 2010.

Herbaceous root-climbers; lamina ovate to ovate-oblong, for upper leaves sometimes elliptic, acuminate, base cordate, sometimes rounded, papery to leathery; dioecious; spikes leaf-opposed, whitish.

Local distribution: Streamside hill slopes.

Piper pedicellatum Casimir de Candolle, *J. Bot. 4: 164. 1866. L.N.: Choi Larang*

Exsiccatae: Animesh & AP Das 535, dated 29. 09. 2010.

Root-climbers; stem glabrous; lamina ovate or narrowly ovate to elliptic, finely glandular, acute to acuminate, base oblique, sometimes higher side rounded, papery; spikes leaf-opposed; drupes obovoid, 4-angled.

Local distribution: Roadside forest areas.

Piper sylvaticum Roxburgh, *Fl. Ind. 1: 158–159. 1820.*

Exsiccatae: Animesh & AP Das 410, dated 16. 05. 2010.

Herbaceous root-climbers; lamina usually ovate, those of upper leaves ovate-lanceolate, densely glandular, acuminate, base cordate, symmetric, papery; dioecious; spikes leaf-opposed, male spikes slender, female spikes erect, whitish; drupes globose.

Local distribution: Core areas of forest.

Peperomia pellucida (Linnaeus) Kunth, *Nov. Gen. Sp. (quarto ed.) 1: 64. 1816.*

Exsiccatae: Animesh & AP Das 213, dated 13. 05. 2009.

Annual herbs, fleshy, translucent, diffuse; lamina broadly ovate or ovate-triangular, length equal to width, both surfaces glabrous, translucent, acute or obtuse, base cordate, fleshy, membranous on drying; spikes terminal or leaf-opposed; flowers bisexual, lax; nutlets globose.

Local distribution: Throughout the forests.

PLANTAGINACEAE

Scoparia dulcis Linnaeus, *Sp. Pl.* 116. 1753.

Exsiccatae: Animesh & AP Das 346, dated 08. 02. 2010.

suffrutescent, erect, perennial; leaves in whorl; lamina rhomboid-ovate to rhomboid-lanceolate, toothed above middle, serrate, or subentire, obtuse, base cuneate, glabrous, glandular punctate; flowers usually axillary, white; capsules globose with persistent style.

Local distribution: Roadside forests.

POLYGONACEAE

Persicaria capitata (Buchanan-Hamilton ex D. Don) H. Gross, *Bot. Jahrb. Syst.* 49: 277. 1913.

Polygonum capitatum Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 73. 1825. L.N.: Amilo saag

Exsiccatae: Animesh & AP Das 263, dated 20. 09. 2009.

Perennial herbs, stems creeping; lamina with large blackish spot adaxially, ovate or elliptic, entire and glandular hairy, acute, base cuneate; heads terminal; flowers pink; achenes black-brown, trigonous.

Local distribution: Riverside forests.

Persicaria chinensis (Linnaeus) H. Gross, *Bot. Jahrb. Syst.* 49(2): 269. in obs. 1913. *Polygonum chinense* Linnaeus, *Sp. Pl.* 1: 363. 1753. L.N.: Amilo jhaar

Exsiccatae: Animesh & AP Das 231, dated 14. 05. 2009.

Perennial under-shrubs, stems erect, slender, weak; lamina ovate, elliptic, or lanceolate, entire, shortly acuminate, base truncate or broadly cordate; heads terminal or axillary, capitates; flowers pinkish; achenes black, broadly ovoid, trigonous.

Local distribution: River valley.

Persicaria hydropiper (Linnaeus) Delarbre, *Fl. Auvergne ed. 2:* 518. 1800. *Polygonum hydropiper* Linnaeus, *Sp. Pl.* 361. 1753. L.N.: Amilo jhaar

Exsiccatae: Animesh & AP Das 273, dated 20. 09. 2009.

Erect, annual, much-branched herbs; stem glabrous; lamina lanceolate or elliptic-lanceolate, acuminate, base cuneate, both surfaces glabrous, margins ciliate; spikes terminal or axillary, partially pendulous; flowers reddish; achenes black-brown, ovoid, biconvex or trigonous.

Local distribution: River valley.

PRIMULACEAE

Ardisia solanacea Roxburgh, *Pl. Coromandel 1:* 27. 1795. L.N.: Kancho Ragat

Exsiccatae: Animesh & AP Das 328, dated 07. 02. 2010.

Shrubs, branches soft; lamina elliptic or oblanceolate, subrevolute, entire, acute, base cuneate or narrowly decurrent on petiole, veins elevated below; racemes from bases of new shoots, corymbose-paniculate; flowers pinkish; fruits purplish red or blackish, oblate.

Local distribution: Throughout the forests.

Maesa chisia Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 148. 1825. L.N.: Dudh Seola

Exsiccatae: Animesh & AP Das 423, dated 16. 05. 2010.

Shrubs, branchlets angular; lamina oblong, elliptic-lanceolate to oblanceolate, serrate, caudate-acuminate, base cuneate, glabrous, papery; spikes compound; flowers white; fruits globose.

Local distribution: Core areas of forest.

Maesa indica (Roxburgh) Alphonse de Candolle, *Trans. Linn. Soc. London* 17(1): 134. 1834.

Baeobotrys indica Roxburgh, *Fl. Ind.* 2: 230. 1824.

Exsiccatae: Animesh & AP Das 210, dated 13. 05. 2009.

Shrubs; branches slightly scandent; lamina broadly ovate to oblong, serrate-dentate or -denticulate, teeth not callose, acute or acuminate, base obtuse or subrounded, papery; spikes compound; flowers white; fruits globose.

Local distribution: Throughout the forests.

Maesa macrophylla Wallich, *Fl. Ind.* 2: 234. 1824. L.N.: Bhogote

Exsiccatae: Animesh & AP Das 127, dated 05. 02. 2009.

Small trees, profusely branched; lamina broadly ovate, serrate-dentate or -denticulate, acute, base obtuse or subrounded, papery; spikes small, forming compound umbles; flowers yellowish white; fruits globose or subglobose.

Local distribution: Core areas of forest.

RHAMNACEAE

Ventilago denticulata Willdenow, *Neue Schriften Ges. Naturf. Freunde Berlin* 3: 417. 1801. L.N.: Sialphusre

Exsiccatae: Animesh & AP Das 113, dated 20. 01. 2009.

Small trees; lamina ovate-oblong to ovate-elliptic, obtusely dentate, long acuminate, base subrounded, symmetric or asymmetric, papery or subleathery; flowers small in axillary clusters, bisexual; drupes densely pubescent, wing oblong.

Local distribution: Hill forest areas.

Berchemia floribunda (Wallich) Brongniart, *Ann. Sci. Nat. (Paris)* 10: 357. 1827. *Ziziphus floribunda* Wallich, *Fl. Ind.*, 2: 368–369. 1824.

Exsiccatae: Animesh & AP Das 235, dated 19. 09. 2009.

Climbing shrubs; lamina ovate or ovate-elliptic to elliptic, entire, obtuse to rounded or acute to acuminate base rounded to cordate, papery; flowers in fascicles, terminal cymose panicles or axillary cymose racemes; flowers yellowish; drupes red, bluish black at maturity, cylindric-elliptic to ovoid-oblong.

Local distribution: Throughout the forests.

Gouania leptostachya de Candolle, *Prodr.* 2: 40. 1825.

Exsiccatae: Animesh & AP Das 277, dated 20. 09. 2009.

Climbing shrubs with tendrils; lamina ovate or ovate-oblong, crenate-serrate, acuminate, base cordate, papery; flowers solitary or in fascicles of pedunculate cymes, polygamous, whitish; capsules 3-winged.

Local distribution: Throughout the forests.

Ziziphus jujuba Miller, *Gard. Dict. ed. 8:1.* 1768. L.N.: Sanu Baer

Exsiccatae: Animesh & AP Das 111, dated 20. 01. 2009.

Trees, semi-deciduous to deciduous; lamina ovate to elliptic-oblong, crenate-serrate, obtuse or rounded, rarely acute, mucronulate base slightly asymmetric, subrounded, glabrous, adaxially, 3-veined from base, papery; solitary or 2–8 crowded in axillary cymes; flowers bisexual, yellow-green; drupes turning red-purple at maturity, oblong or narrowly ovoid.

Local distribution: Riverside forest areas.

Ziziphus oenopolia (Linnaeus) Miller, *Gard. Dict. (ed. 8) no. 3.* 1768. *Rhammus oenopolia* L., *Sp. Pl.* 1: 194. 1753.

Exsiccatae: Animesh & AP Das 203, dated 12. 05. 2009.

Shrubs, scandent; lamina ovate-oblong or ovate-lanceolate, crenate, acute or acuminate, base usually asymmetric, subrounded, 3-veined at base, papery; pedunculate cymes axillary; flowers greenish yellow; drupe black, shiny, globose or obovoid-globose.

Local distribution: River valley.

Ziziphus rugosa H.J. Lam, *Encycl.* 3(1): 319. 1789. L.N.: Baer

Exsiccatae: Animesh & AP Das 031, dated 17. 01. 2009.

Shrubs, evergreen; lamina broadly ovate or broadly elliptic, serrulate, rounded, base subcordate or rounded, oblique, 3–5-veined from base, subleathery; flowers green, terminal or axillary cymose panicles or cymose racemes; flowers greenish; drupe orange, turning black at maturity, obovoid-globose or subglobose.

Local distribution: River valley.

RHIZOPHORACEAE

Carallia brachiata (Loureiro) Merrill, *Philipp. J. Sci.* 15: 249. 1919. *Diatoma brachiata* Loureiro, *Fl. Cochinch.* 296. 1790. L.N.: Phalamekath

Exsiccatae: Animesh & AP Das 178, dated 11. 05. 2009.

Trees; lamina oblong-elliptic, entire, base cuneate, coreaceous; flowers shortly pedicellate or sessile, bracteates, white; fruits pink to red, globose.

Local distribution: Throughout the forests.

ROSACEAE

Eriobotrya bengalensis (Roxburgh) Hooker f., *Fl. Brit. India (Rosaceae)*; 371. 1878. *Mespilus bengalensis* Roxburgh, *Fl. Ind.* 510. 1832. L.N.: Maya

Exsiccatae: Animesh & AP Das 153, dated 07. 02. 2009.

Trees, deciduous; lamina lanceolate, oblong, or elliptic, both surfaces glabrous, remotely shortly incised-serrate, entire near base, acuminate, base cuneate; panicle spreading, densely flowered; flowers brownish; pome ovoid-globose.

Local distribution: Hill forest areas.

RUBIACEAE

Benkara fasciculata (Roxburgh) Ridsdale, *Reinwardtia* 12: 298. 2008. *Posoqueria fasciculata* Roxburgh, *Fl. Ind.* 2: 568. 1824. *Fagerlindia fasciculata* (Roxburgh) Tirvengadam, *Nordic. J. Bot.* 3: 458. 1983.

Exsiccatae: Animesh & AP Das 145, dated 06. 02. 2009.

Small trees, climbing tendency, usually armed with paired spines; lamina ovate-orbicular to lanceolate or ovate-lanceolate, acute to caudateacuminate, base rounded to obtuse or broadly cuneate; cymes terminal on lateral branches; flowers redish; berry globose.

Local distribution: Riverside forest areas.

Catunaregam longispina (Link) Tirvengadam, *Edinburgh J. Bot.* 53: 95. 1996. *Posoqueria longispina* Link, *Enum. Pl.* 1: 225. 1821. L.N.: Amra

Exsiccatae: Animesh & AP Das 229, dated 14. 05. 2009.

Small trees; lamina obovate or oblong-obovate, strigose, entire or often shortly ciliate, acute, base cuneate and sometimes decurrent; cymes terminal on lateral short shoots; flowers yellow.

Local distribution: Core areas of forest.

Cephalanthus tetrandra (Roxburgh) Ridsdale & Bakhuizen van den Brink, *Blumea* 23: 182. 1976. *Nauclea tetrandra* Roxburgh, *Fl. Ind.* 2: 125. 1824. L.N.: Kalikath

Exsiccatae: Animesh & AP Das 307, dated 22. 09. 2009.

Deciduous, small trees; lamina ovate-lanceolate, elliptic or elliptic-oblong, usually glabrous, acute to acuminate, base obtuse, rounded, or subcordate; inflorescence densely tomentulose or pilosulous, 1 – 10 flowering heads; flowers yellowish.

Local distribution: Core areas of forest.

Haldina cordifolia (Roxburgh) Ridsdale, *Blumea* 24: 361. 1978. *Nauclea cordifolia* Roxburgh, *Pl. Coromandel* 1: 49. 1796. L.N.: Karam

Exsiccatae: Animesh & AP Das 155, dated 07. 02. 2009.

Trees, deciduous; lamina broadly ovate, entire, acute to acuminate, base cordate; flowers in small heads, yellow.

Local distribution: Core areas of forest.

Ixora athroantha Bremekamp, *Indian Forester* 85: 372. 1959.

Exsiccatae: Animesh & AP Das 304, dated 22. 09. 2009.

Shrubs, sparsely branched; lamina ovate oblong to oblong elliptic, entire, shortly acuminate, base cuneate, coreaceous; cymose umbels terminal; flowers pedicellate or sessile, bisexual, yellow.

Local distribution: Throughout the forests.

Ixora nigricans Robert Brown ex Wight & Arnott, *Prodr. Fl. Ind. 1: 428. 1834. L.N.: Tilke*

Exsiccatae: Animesh & AP Das 442, dated 25. 09. 2010.

Shrubs; lamina ovate to ovate elliptic, entire, acute to shortly acuminate, base cuneate, coreaceous; cymose umbels terminal; flowers pedicellate or sessile, bisexual, redish.

Local distribution: Core areas of forest.

Ixora undulata Roxburgh, *Fl. Ind. 1: 385. 1820.*

Exsiccatae: Animesh & AP Das 299, dated 22. 09. 2009.

Shrubs; lamina elliptic-oblong, elliptic or oblanceolate, glabrous on both surfaces, rounded, obtuse, or bluntly acute base cuneate, rounded, or subcordate, papery to subleathery; umbel head terminal; flowers pedicellate or sessile, bisexual, red.

Local distribution: Through out the forests.

Meyna spinosa Roxburgh ex Link, *Jahrb. Gewächsk. 1(3): 32. 1820. L.N.: Katamoli, Sanu Mayna*

Exsiccatae: Animesh & AP Das 284, dated 21. 09. 2009.

Large shrubs to small trees; lamina obovate or oblong-obovate or rarely ovate to spatulate, entire or often shortly ciliate, acute, base cuneate and sometimes, coreaceous or subleathery; 1–3-flowered clusters terminal on young lateral short shoots; flowers yellow; berry globose.

Local distribution: Riverside forest areas.

Morinda angustifolia Roxburgh, *Pl. Coromandel 3: 32. 1815.*

Exsiccatae: Animesh & AP Das 378, dated 14. 05. 2010.

Erect shrubs, branches few; lamina elliptic-oblong, elliptic, oblong-lanceolate, or oblanceolate, acute to acuminate, base acute to attenuate, leathery; heads solitary and leaf-opposed; flowers white; drupes obovoid to subglobose.

Local distribution: Throughout the forests.

Mussaenda roxburghii Hooker f., *Fl. Brit. India 3: 87. 1880. L.N.: Hardipate*

Exsiccatae: Animesh & AP Das 204, dated 12. 05. 2009.

Shrubs; lamina broadly elliptic, elliptic-oblong, ovate, or oblanceolate, acute to caudate-acuminate, base acute, obtuse, or rounded, thinly leathery; head terminal; petaloid sepal white, corolla yellow; berry ovoid or ellipsoid.

Local distribution: Throughout the forests.

Neonauclea griffithii (Hooker f.) Merrill, *J. Wash. Acad. Sci. 5: 540. 1915. Adina griffithii* J.D. Hooker, *Fl. Brit. India 3: 24. 1880. L.N.: Santalu*

Exsiccatae: Animesh & AP Das 413, dated 16. 05. 2010.

Evergreen trees; lamina obovate to elliptic, rounded then abruptly cuspidate or acute, base acute to cuneate and frequently decurrent, both surfaces glabrous; flowering heads solitary, terminal; flowers whitish; capsules obconic.

Local distribution: Core areas of forest.

Neolamarckia cadamba (Roxburgh) Bosser, *Bull. Mus. Natl. Hist. Nat., B, Adansonia 6: 247. 1984. Nauclea cadamba* Roxburgh, *Fl. Ind. 2: 121. 1824. L.N.: Kadam*

Exsiccatae: Animesh & AP Das 059, dated 18. 01. 2009.

Deciduous trees; lamina elliptic or oblong-elliptic, entire, acute, base shallowly cordate on juvenile growth, rounded or truncate on adult growth, thinly leathery; flowers in globose terminal heads; infructescence obovoid.

Local distribution: Riverside forest areas.

Paederia foetida Linnaeus, *Mant. Pl. 1: 52. 1767.*

Exsiccatae: Animesh & AP Das 359, dated 18. 01. 2009.

Perennial shrubby climber, rooting at nodes touching soil; lamina ovate, ovate-oblong, lanceolate elliptic or elliptic, acute or acuminate, base cuneate, rounded, truncate, or sometimes cordulate to cordate, subleathery; flowers small in cymose clusters, terminal or from axils; whitish with purple markings; capsule globose.

Local distribution: Common along the forest margins.

Psilanthus bengalensis (Roxburgh ex Schultes) J.-F. Leroy, *Bull. Mus. Natl. Hist. Nat., B, Adansonia* 3: 252. 1981. *Coffea bengalensis* Roxburgh, *Fl. Ind. ed. 2, 1: 540.1832.*

Exsiccatae: Animesh & AP Das 659, dated 18. 01. 2009.

Oppositely branched small shrubs; lamina elliptic, elliptic-oblong, or occasionally ovate-oblong, glabrous on both surfaces, occasionally crisped-undulate, acuminate, base cuneate to obtuse; flowered in axillary clusters; flowers sessile or shortly pedicellate, bisexual, white; drupes green, subglobose, black on ripening.

Local distribution: Throughout the forests.

Rubia manjith Roxburgh ex Fleming, *Asiat. Res. 11: 177. 1810. L.N.: Majeto*

Exsiccatae: Animesh & AP Das 411, dated 16. 05. 2010.

Herbaceous scrambler; normal leaf and leafy stipule similar; lamina oblong-lanceolate, ovate-lanceolate, thinly revolute, long acuminate or caudate, base rounded to cordate, herbaceous, scabrid below; thyrses paniculate, terminal and axillary, many flowered; flowers brick-red.

Local distribution: Hill forest areas.

Spermacoe alata Aublet, *Hist. Pl. Guiane* 60. 1775. L.N.: *Pirey*

Exsiccatae: Animesh & AP Das 488, dated 27. 09. 2010.

Annual herbs, erect or suberect or prostrate; lamina elliptic or ovate-oblong, entire, acute or obtuse, base cuneate to obtuse then long decurrent, herbaceous; verticillastre axillary and infrequently also terminal, several flowered; corolla white; capsules ellipsoid to subglobose.

Local distribution: Throughout the forests.

Spermacoe ocymoides Burman f., *Fl. Indica* 34. 1768.

Exsiccatae: Animesh & AP Das 536, dated 29. 09. 2010.

Annual, prostrate to procumbent herbs; stem winged; lamina ovate or elliptic-oblong, entire, acute to obtuse, base obtuse to cuneate, herbaceous; verticillastre axillary; corolla white, minute.

Local distribution: Through out the forests.

Wendlandia coriacea (Wallich) de Candolle, *Prodr. 4: 412. 1830. Rondeletia coriacea* Wallich, *Fl. Ind. 2: 142. 1824.*

Exsiccatae: Animesh & AP Das 283, dated 21. 09. 2009.

Shrubs to small trees; lamina elliptic, elliptic-oblong, or obovate-oblong, acute or shortly acuminate, base cuneate or acute, leathery or coreaceous; thyrses paniculate, terminal and axillary, cymes many flowered; flowers white.

Local distribution: Riverside forest areas.

RUTACEAE

Aegle marmelos (Linnaeus) Corrêa, *Trans. Linn. Soc. London* 5: 223. 1800. *Crateva marmelos* Linnaeus, *Sp. Pl.* 444. 1753. L.N.: *Bel*

Exsiccatae: Animesh & AP Das 126, dated 05. 02. 2009; 046, dated 17. 01. 2009.

Medium trees; lamina ovate to elliptic, crenate-serrate, acuminate or sometimes acute, base rounded to narrowly cuneate; flowers in few flowered racemose loose fascicles, terminal and axillary, whitish; fruits greenish yellow.

Local distribution: Riverside forest areas.

Atalantia missionis (Wight) Oliver, *J. Proc. Linn. Soc., Bot.* 5(Suppl. 2): 25. 1861.

Exsiccatae: Animesh & AP Das 107, dated 19. 01. 2009.

Trees; lamina lanceolate, entire, acuminate, base narrowly cuneate; panicle of racemes in fascicles, terminal and axillary; flowers bisexual white; fruits globose.

Local distribution: Core forest areas.

Citrus limon (Linnaeus) Osbeck, *Reise Ostindien* 250. 1765. *Citrus medica* var. *limon* Linnaeus, *Sp. Pl.* 782. 1753. L.N.: Janglee Limbu

Exsiccatae: Animesh & AP Das 156, dated 07. 02. 2009.

Shrubs, branches spiny; lamina ovate to elliptic, conspicuously crenulate, usually mucronate; axillary and terminal cymes; flowers bisexual, white; ripe fruits yellow, ellipsoid to ovoid, narrowed at both ends, sarcocarp in 8–11 segments, pale yellow.

Local distribution: Hill slope and core areas of forests.

Citrus medica Linnaeus, *Sp. Pl.* 782 1753. L.N.: Bhimira, Janglee Limbu

Exsiccatae: Animesh & AP Das 226, dated 14. 05. 2009.

Shrubs, branches spiny; lamina elliptic to ovate-elliptic, serrate, rounded, obtuse, or rarely mucronate, base cuneate; axillary and terminal cymes; flowers bisexual or male, white; fruits pale yellow when ripe, elliptic to subglobose, sarcocarp with 10–15 segments, colorless.

Local distribution: Commonly in stream side forests.

Clausena excavata Burman f., *Fl. Indica* 89. 1768. L.N.: Currypatta

Exsiccatae: Animesh & AP Das 281, dated 21. 09. 2009.

Under-shrubs; lamina ovate, lanceolate or rhomboid, asymmetric, repand, acute or obtuse, base oblique; flowers in terminal compound umbel, white or creamy white; fruits ellipsoid.

Local distribution: Throughout the forests.

Glycosmis pentaphylla (Retzius) de Candolle, *Prodr.* 1: 538. 1824. *Limonia pentaphylla* Retzius, *Observ. Bot.* 5: 24. 1788. L.N.: Dandisko

Exsiccatae: Animesh & AP Das 345, dated 08. 02. 2010.

Shrubs; lamina oblong, serrate, mucronate, base cuneate, chartaceous; flowers in umbel, white; fruits reddish, subglobose.

Local distribution: Throughout the open forests.

Micromelum integerrimum (Buchanan-Hamilton ex de Candolle) Wight & Arnott ex M. Roemer, *Fam. Nat. Syn. Monogr.* 1: 47. 1846. *Bergera integerrima* Buchanan-Hamilton ex de Candolle, *Prodr.* 1: 537. 1824.

Exsiccatae: Animesh & AP Das 168, dated 07. 02. 2009.

Small trees; lamina alternate to subopposite, elliptic, lanceolate or ovate, inequilateral, entire, acuminate, base cuneate; umbles compound; buds pale green, oblong, flowers pale yellow; fruits ellipsoid to obovoid.

Local distribution: Roadside forest area.

Murraya koenigii (Linnaeus) Sprengel, *Syst. Veg.* 2: 315. 1817. *Bergera koenigii* Linnaeus, *Mant. Pl.* 2: 555, 563. 1771. *Bergera koenigii* Linnaeus, *Mant. Pl.* 565. 1767.

Exsiccatae: Animesh & AP Das 089, dated 19. 01. 2009; 061, dated 18. 01. 2009.

Shrubs; lamina ovate, entire or crenulate, base obtuse to rounded and oblique; panicle terminal, many flowered; flowers white; fruit bluish black, ovoid to oblong.

Local distribution: Road side forest area.

Murraya paniculata (Linnaeus) Jack, *Malayan Misc.* 1(5): 31. 1820. *Chalcas paniculata* Linnaeus, *Mant. Pl.* 1: 68. 1767. L.N.: Bajrathenga

Exsiccatae: Animesh & AP Das 100, dated 19. 01. 2009.

Shrubs; lamina suborbicular to ovate to elliptic, entire or crenulate, rounded to acuminate; fascicles terminal and axillary; flowers white, fragrant; fruit orange to vermilion, narrowly ellipsoid or rarely ovoid.

Local distribution: Roadside forest areas.

Toddalia asiatica (Linnaeus) Lamarck, Tabl. Encycl. 2: 116. 1797. *Paullinia asiatica* Linnaeus, Sp. Pl. 1: 365. 1753.

Exsiccatae: Animesh & AP Das 487, dated 19. 01. 2009.

Shrubs, much prickly on stems and leaves; lamina elliptic or narrowly elliptic to obovate to oblanceolate, acuminate or rarely acute to obtuse or rounded, base narrowly cuneate to attenuate; flowers in racemes, creamy-white; fruits globose.

Local distribution: Riverside forest areas.

Zanthoxylum budrunga de Candolle, Prodr. 1: 728. 1824. L.N.: Timboor

Exsiccatae: Animesh & AP Das 337, dated 08. 02. 2010.

Trees with large wide prickles on trunks; lamina alternate or opposite, lanceolate or rarely ovate, serrulate, acuminate, base cuneate, oil glands numerous; cymose-corymbs terminal, to 30-flowered; flowers whitish.

Local distribution: Hill forest areas.

Zanthoxylum nitidum (Roxburgh) de Candolle, Prodr. 1: 727. 1824. *Fagara nitida* Roxburgh, Fl. Ind. 1: 439. 1820. L.N.: Lahare Timboor

Exsiccatae: Animesh & AP Das 071, dated 18. 01. 2009.

Woody climbers, trunk with tumor like prickles; leaves opposite; lamina, broadly ovate, subcordate, elliptic, narrowly elliptic, crenate at least toward apex or entire, acuminate to caudate, leathery; corymbs terminal; flowers pale yellowish; follicles reddish brown.

Local distribution: Core forest areas.

SABIACEAE

Sabia lanceolata Colebrooke, Trans. Linn. Soc. London 12: 355, pl. 14, 1819.

Exsiccatae: Animesh & AP Das 182, dated 11. 05. 2009.

Woody climbers; lamina elliptic-oblong to lanceolate, both surfaces glabrous, acute or acuminate, base cuneate or cordate, papery to leathery; cymes 10 – 30 flowered, solitary, axillary or arranged in axillary panicles; flowers yellowish; schizocarp blueish when fresh, distinctly obovoid to oblong-obovoid or pyriform.

Local distribution: Core areas of forest.

SALICACEAE

Casearia graveolens Dalzell, Hooker's J. Bot. Kew Gard. Misc. 4: 107. 1852. L.N.: Asare

Exsiccatae: Animesh & AP Das 232, dated 14. 05. 2009.

Small tree, branched on upper part; lamina broadly elliptic to elliptic-oblong, shallowly serrate, crenate, broadly acute, obtuse or rounded, base rounded or broadly obtuse, papery; axillary cymes; flowers yellow-green; capsule orange-yellow when ripe, dark reddish.

Local distribution: Throughout the forests.

Flacourtia jangomas (Loureiro) Raeuschel, Nomencl. Bot. ed. 3: 290. 1797. *Stigmarota jangomas* Loureiro, Fl. Cochinch. 2: 634. 1790. L.N.: Latka

Exsiccatae: Animesh & AP Das 279, dated 21. 09. 2009.

Small tree, trunk covered with compound spines; lamina narrowly ovate, ovate-elliptic or ovate-oblong, entire or serrate to crenate, obtuse or gradually tapering to narrowly acuminate, base acute, obtuse or rounded, thinly leathery to papery; cymose; flowers small, white; fruits brownish red or purple, finally blackish, subglobose, fleshy.

Local distribution: River valley.

SAPINDACEAE

Sapindus mukorossi Gaertner, *Fruct. Sem. Pl.* 1: 342, pl. 70, f. 3. 1788. L.N.: *Ritha*

Exsiccatae: *Animesh & AP Das* 323, dated 07. 02. 2010.

Deciduous trees; lamina of leaflets oblong or ovate-lanceolate, base obtuse, acute or sometimes nearly acuminate, thinly coreaceous; racemes terminal, erect, tower-shaped; flowers yellowish; fertile schizocarps dark red or orange-red, globose.

Local distribution: Core areas of forest.

SCROPHULARIACEAE

Buddleja asiatica Loureiro, *Fl. Cochinch.* 72. 1790. L.N.: *Bhimsinge*

Exsiccatae: *Animesh & AP Das* 352, dated 09. 02. 2010.

Large shrubs, less branched; lamina lanceolate to narrowly elliptic, serrate, acuminate, base cuneate; panicles mostly terminal, also axillary; flowers white, fragrant.

Local distribution: Riverside forest areas.

SIMAROUBACEAE

Ailanthus integrifolia subsp. *calycina* (Pierre) Nooteboom, *Fl. Males.* 6: 218. 1962. *Ailanthus calycina* Pierre, *Fl. Forest. Cochinch.* t. 294. 1893. L.N.: *Gokul*

Exsiccatae: *Animesh & AP Das* 476, dated 26. 09. 2010.

Tall trees, evergreen; lamina ovate-lanceolate to ovate elliptic, acuminate, base cuneate; flowers unisexual or polygamous, 1-3 fasciculate; petals yellowish; fruits winged.

Local distribution: Core forest areas.

SOLANACEAE

Solanum aculeatissimum Jacquin, *Icon. Pl. Rar.* 1: 5, pl. 41. 1781. L.N.: *Janglee Baigon*

Exsiccatae: *Animesh & AP Das* 516, dated 28. 09. 2010.

Annual herbs, much prickly, branched; lamina broadly ovate, 5-7-lobed or -parted, with angular or dentate sharp lobes, acute or obtuse, base truncate to subhastate; cymes axillary; flowers white; berry pale yellow, globose.

Local distribution: Throughout the forests.

TAMARICACEAE

Tamarix indica Willdenow, *Ges. Naturf. Freunde Berlin Neue Schriften* 4: 214. 1803. L.N.: *Jhau*

Exsiccatae: *Animesh & AP Das* 537, dated 29. 09. 2010.

Shrubs, much branched; lamina lanceolate to ovate-lanceolate or ovate-orbicular, acuminate, base decurrent; flowers in spikes or panicles on terminal and lateral branches; flowers reddish.

Local distribution: River valley.

TETRAMELIACEAE

Tetrameles nudiflora Robert Brown, *Pl. Jav. Rar.* 79, pl. 17. 1838. L.N.: *Maina*

Exsiccatae: *Animesh & AP Das* 466, dated 26. 09. 2010.

Large trees; lamina cordate-ovate or suborbicular, serrate, slightly 2- or 3-lobed when young, acute or acuminate; terminal spikes; flowers yellowish; capsule brown yellow at maturity, globose-urceolate.

Local distribution: On river bed.

THEACEAE

Schima wallichii Choisy, *Syst. Verz.* 144. 1854. L.N.: *Chilaune*

Exsiccatae: *Animesh & AP Das* 449, dated 25. 09. 2010.

Large trees; lamina elliptic to broadly elliptic, entire, bluntly acute, base broadly cuneate, leathery; flowers axillary, solitary or to 3 in a cluster, white, fragrant; capsules brown, subglobose.

Local distribution: Core areas of forest.

URTICACEAE

Boehmeria cylindrica (Linnaeus) Swartz, *Prodr. Veg. Ind. Occ.* 34. 1788. *Urtica cylindrica* Linnaeus, *Sp. Pl.* 984. 1753. L.N.: Malakhasrey

Exsiccatae: Animesh & AP Das 076, dated 18. 01. 2009.

Erect shrubs; lamina ovate, elliptic, oblong or subelliptic, denticulate, acuminate or caudate-acuminate, base broadly cuneate, rounded, slightly rough, chartaceous; spike-like congested, long; flowers whitish.

Local distribution: Hill area forests.

Boehmeria penduliflora Weddell ex D.G. Long, *Notes Roy. Bot. Gard. Edinburgh* 40: 130. 1982.

Exsiccatae: Animesh & AP Das 240, dated 19. 09. 2009.

Erect shrubs, much branched; lamina lanceolate or linear-lanceolate, minutely serrulate, teeth revolute, long acuminate or caudate, base obtuse, rounded or subcordate, rugose, thickly chartaceous; male spikes often in pairs, in proximal axils, shorter than females; female spikes unbranched; flowers yellowish.

Local distribution: Throughout the forests.

Dendrocnide sinuata (Blume) Chew, *Gard. Bull. Singapore* 21: 206. 1965. *Urtica sinuata*

Blume, *Bijdr. Fl. Ned. Ind.* 505. 1826.

Exsiccatae: Animesh & AP Das 147, dated 06. 02. 2009.

Large bushy shrubs, branchlets spreading, covered with stinging hairs; lamina elliptic, oblong- or obovate-lanceolate, entire, sinuate to irregularly denticulate, acute to long acuminate base cuneate, rounded or deeply cordate, leathery; male inflorescences long paniculate; female flowers fleshy, white; achene asymmetrically pyramidal.

Local distribution: Throughout the forests.

Urtica dioica Linnaeus, *Sp. Pl.* 984. 1753. L.N.: Sishnu

Exsiccatae: Animesh & AP Das 122, dated 05. 02. 2009.

Much bushy shrubs, sometimes suffrutescent, dioecious; lamina ovate, sometimes lanceolate, coarsely serrate or dentate, teeth often incurved-tipped, apex acuminate or long acuminate, base cordate to cuneate; racemes paniculate; flowers whitish; fruits subglobose.

Local distribution: Roadside forests and stream side; prefer open areas.

VITACEAE

Ampelocissus sikkimensis (M.A. Lawson) Planchon, *Vigne Amer. Vitic. Eur.* 8: 375. 1884. *Vitis sikkimensis* M.A. Lawson, *Fl. Brit. India* 1(3): 650. 1875.

Exsiccatae: Animesh & AP Das 429, dated 17. 05. 2010.

Shrubby climber; lamina broadly ovate, base cordate, finely toothed, mucronate; dichasium compound, leaf-opposed, base with a bifurcate tendril; flowers yellowish white; berry red, globose.

Local distribution: Forest margins and stream side areas.

Cayratia geniculata (Blume) Gagnepain, *Notul. Syst. (Paris)* 1: 345. 1911. *Cissus geniculata*

Blume, *Bijdr.* 184. 1825.

Exsiccatae: Animesh & AP Das 340, dated 08. 02. 2010.

Woody lianas, tendrils bifurcate; leaves 3-foliolate, broadly ovate, sparse fine toothed, caudate or acuminate, base cuneate; dichasium compound, axillary; flowers whitish; berry nearly globose.

Local distribution: Throughout the forests.

Cissus elongata Roxburgh, *Fl. Ind.* 1: 411. 1820.

Exsiccatae: Animesh & AP Das 397, dated 15. 05. 2010.

Woody lianas, tendrils unbranched; leaves palmately 5-foliolate, lamina obovate-lanceolate or obovate-elliptic, 7-9 fine teeth on each side, cuspidate, base cuneate; compound dichasium pseudo-terminal or leaf-opposed; flowers whitish; berry purple-black at maturity.

Local distribution: Hill area forests.

Cissus repanda (Wight & Arnott) Vahl, *Symb. Bot.* 3: 18. 1794. No Basionym exist. L.N.: *Pani Lahara*

Exsiccatae: Animesh & AP Das 316, dated 07. 02. 2010.

Woody lianas, tendrils racemosely 5-7-branched; leaves simple, lamina ovate or bicular, irregularly toothed or undulate, acuminate, mucronate or acute, base cordate; compound umbels terminal or leaf-opposed; flowers whitish; berry globose.

Local distribution: Core areas of forest.

Cissus repens H.J. Lam, *Encycl.* 1: 31. 1783. L.N.: *Kali Lahara*

Exsiccatae: Animesh & AP Das 496, dated 27. 09. 2010.

Vines, herbaceous, tendrils bifurcate; leaves simple, lamina cordate oval, 9 – 12 sharp teeth on each side, acute or acuminate, base cordate, membranous; umbels terminal or leaf-opposed; flowers whitish.

Local distribution: Throughout the forests.

Cyphostemma adenanthum (Fresenius) Descoings, *Naturalia Monspel., Sér. Bot.* 18: 218. 1967.

Cissus adenantha Fresenius, *Mus. Senckenberg.* 2: 283. 1837. L.N.: *Charchare*

Exsiccatae: Animesh & AP Das 388, dated 14. 05. 2010.

Woody lianas, tendrils unbranched; lamina broadly ovate to ovate elliptic, sharp teeth on each side, acute or acuminate, base cordate, membranous; dichasium compound or an umbel, leaf-opposed; flowers whitish.

Local distribution: Core areas of forest.

Leea aequata Linnaeus, *Syst. Nat. (ed. 12)* 2: 627. 1767.

Exsiccatae: Animesh & AP Das 458, dated 25. 09. 2010.

Large shrub; lamina elliptic-lanceolate or ovate-lanceolate, irregularly toothed, acuminate or caudate acuminate, base cuneate or rounded; leaf-opposed compound dichasia; flowers greenish; berry oblate.

Local distribution: Throughout the forests.

Leea asiatica (Linnaeus) Ridsdale, *Bot. Hist. Hort. Malab.* 189. 1980. *Phytolacca asiatica* Linnaeus, *Sp. Pl.* 1: 441. 1753.

Exsiccatae: Animesh & AP Das 484, dated 27. 09. 2010.

Erect shrubs; leaves pinnate or 3-foliolate, lamina oblong, ovate-elliptic or long ovate, with rounded and obtuse teeth, acuminate or caudate, base rounded or slightly cordate; compound dichasia leaf-opposed, usually branched at base; flowers greenish; berry oblate.

Local distribution: Throughout the forests.

Leea guineense G. Don, *Gen. Hist.* 1: 712. 1831. L.N.: *Galeni*

Exsiccatae: Animesh & AP Das 362, dated 10. 02. 2010.

Small trees; Leaves 2 or 3-pinnate, lamina oval elliptic to long and roundly lanceolate, acute toothed, acuminate, base broadly cuneate, glabrous; dichasia leaf-opposed, densely ferruginous pubescent; flowers yellowish; berry subglobose.

Local distribution: Core areas of forest.

Parthenocissus semicordata (Wallich) Planchon, *Monogr. Phan.* 5: 451. 1887. *Vitis semicordata* Wallich, *Fl. Ind., ed. 1820* 2: 481. 1824. L.N.: *Charchara, Choi Larang*

Exsiccatae: Animesh & AP Das 380, dated 14. 05. 2010.

Woody lianas, tendrils with 4 – 6 branches; leaves 3-foliolate; lamina obovate-elliptic or obovate, 6–11-toothed, cuspidate, base asymmetric, nearly rounded or cuneate; polychasium with inconspicuous main axis; flowers whitish; berry globose.

Local distribution: Forest margins and stream side areas.

Tetrastigma bracteolatum (Wallich) Planchon, *Monogr. Phan.* [A. DC. & C. DC.] 5(2): 428. 1887. *Vitis bracteolata* Wallich, *Fl. Ind., ed. 1820* 2: 483. 1824. L.N.: *Jhuse Lahara*

Exsiccatae: Animesh & AP Das 524, dated 29. 09. 2010.

Lianas; stem slender, tendrils biforked or sometimes unbranched; leaves palmately compound, lamina elliptic-lanceolate to ovate-lanceolate, distantly teeth, acuminate or acute base cuneate, glabrous; inflorescence umbelliform, axillary; flowers whitish; berry globose.

Local distribution: Throughout the forests.

Tetrastigma planicaule (Hooker f.) Gagnepain, *Notul. Syst. (Paris) 1: 319. 1910. Vitis planicaulis* Hooker f., *Bot. Mag. 94: 5685 1868.*

Exsiccatae: Animesh & AP Das 441, dated 25. 09. 2010.

Woody lianas, stem plank-like flat; tendrils unbranched; leaves palmately 5-foliolate, lamina elliptic-lanceolate, lanceolate to ovate-lanceolate, 5–9-toothed on each side, teeth inconspicuous or fine, rarely large, acuminate or acute base cuneate, glabrous; axillary umbel; flowers yellowish; berry globose.

Local distribution: Throughout the forests.

Tetrastigma serrulatum (Roxburgh) Planchon, *Monogr. Phan. 5: 432. 1887. Cissus serrulata* Roxburgh, *Fl. Ind. 1: 432. 1820.*

Exsiccatae: Animesh & AP Das 481, dated 26. 09. 2010.

Shrubby climber; stem slender; leaves pedately 5-foliolate, lamina ovate-lanceolate, base rounded or cuneate, undulate with 5–8 fine teeth on each side, caudate, acuminate or acute, base of lateral leaflets asymmetric; axillary umbel; flowers whitish; berry purple-black at maturity, spheroid.

Local distribution: Throughout the forests.

Tetrastigma thomsonianum Planchon, *Monogr. Phan. 5: 439. 1887.*

Exsiccatae: Animesh & AP Das 306, dated 22. 09. 2009.

Woody lianas, tendrils biforked or sometimes unbranched; leaves 3 or 5-foliolate, lamina ovate-lanceolate, base rounded, fine teeth on each side, acute, base of lateral leaflets asymmetric; axillary umbel; flowers whitish.

Local distribution: Forest margins and stream side areas.

4.2.3 Class: Liliopsida

AMARYLLIDACEAE

Crinum amoenum Ker Gawler ex Roxburgh, *J. Sci. Arts (London) 3:106. 1817.*

Exsiccatae: Animesh & AP Das 050, dated 17. 01. 2009.

Perennial herbs with large globose underground bulb; lamina linear-lanceolate, undulate, acuminate, sharply pointed; umbel 10–24 flowered; flowers fragrant, white; capsule subglobose.

Local distribution: Common along forest margins and in open forests.

ARACEAE

Alocasia macrorrhizos (Linnaeus) G. Don, *Hort. Brit. ed. 3: 631. 1839. Arum macrorrhizon* Linnaeus, *Sp. Pl. 2: 965. 1753. L.N.: Kachu*

Exsiccatae: Animesh & AP Das 032, dated 17. 01. 2009.

Pachycaul herbs, massive; lamina ovate-sagittate, bluntly triangular, entire, weakly peltate in juveniles; spadix paired among leaf bases, subtended by membranous cataphylls; flowers yellowish; fruiting spathe green, oblong-ellipsoid; fruit ripening scarlet, ellipsoid.

Local distribution: Stream side hill slopes.

Amorphophallus bulbifer (Roxburgh) Blume, *Rumphia 1: 148. 1837. Arum bulbiferum* Roxburgh, *Fl. Ind. ed. 1832 3: 510. 1832. L.N.: Gurbe*

Exsiccatae: Animesh & AP Das 128, dated 05. 02. 2009.

Terrestrial herbs; leaf solitary; lamina elliptic-lanceolate, bifurcated many times, lobes acuminate. glabrous; spadix 1, epigeal, solitary; flowers brownish; berries orange-red when mature, ovoid.

Local distribution: Throughout the forests.

Typhonium trilobatum (Linnaeus) Schott, *Wiener Z. Kunst* 3: 72. 1829. *Arum trilobatum* Linnaeus, *Sp. Pl.* 2: 965. 1753. L.N.: *Karengi saag*

Exsiccatae: *Animesh & AP Das 104*, dated 19. 01. 2009.

Underground part a short, tuberous rhizome; lamina cordate-ovate, usually deeply 3-lobed, rarely 5-lobed; central lobe ovate, acuminate, sometimes mucronate; spadix appearing after leaves; flowers reddish; fruiting zone with spathe remaining; berries at first green with purple spots, white when mature, ellipsoid.

Local distribution: River valley.

Xanthosoma brasiliense (Desfontaines) Engler, *Pflanzenr.* IV, 23E: 58. 1920. *Caladium brasiliense* Desfontaines, *Tabl. École Bot. ed. 3:* 7, 386. 1829.

Exsiccatae: *Animesh & AP Das 148*, dated 06. 02. 2009.

Pachycaul herbs, massive; lamina ovate-sagittate to ovate-triangular, entire; spadix subtended by membranous cataphylls; flowers yellowish.

Local distribution: Throughout the forests.

AREACACEAE

Calamus erectus Roxburgh, *Fl. Ind.* 3: 774. 1832. L.N.: *Gauribet*

Exsiccatae: *Animesh & AP Das 006*, dated 17. 01. 2009.

Stems clustered, non-climbing; leaf sheaths dark green with dark brown hairs, with short rows of brown, flattened spines, rachis to 3 m with up to 40 lanceolate pinnae per side, these regularly arranged; spikes pendulous; flowers greenish; fruits greenish- or reddish brown, ellipsoid.

Local distribution: Hill area forests.

Calamus viminalis Willdenow, *Sp. Pl.* 2: 203. 1799. L.N.: *Bet*

Exsiccatae: *Animesh & AP Das 177*, dated 11. 05. 2009.

Stems clustered, climbing; leaf-sheaths green with densely covered grayish or brownish hairs, rachis to 1.3 m with 32–55 gray-green lanceolate pinnae per side, distinctly clustered and spreading in different planes; spikes pendulous; flowers brownish green; fruits whitish or yellowish, globose.

Local distribution: Hill area forests.

Caryota urens Linnaeus, *Sp. Pl.* 2: 1189. 1753. L.N.: *Kharate Jharoo*

Exsiccatae: *Animesh & AP Das 207*, dated 13. 05. 2009.

Monopodial tree; leaves in terminal crown, pendulous, primary pinnae to 27 per side of rachis, secondary pinnae 12 – 27 per side of secondary rachis, with deeply jagged margins; spikes borne among leaves; flowers yellowish; fruits dull reddish or orange, globose.

Local distribution: Hill area forests.

Phoenix sylvestris (Linnaeus) Roxburgh, *Fl. Ind.* 3: 787. 1832. *Elate sylvestris* Linnaeus, *Sp. Pl.* 1189. 1753. L.N.: *Khejur*

Exsiccatae: *Animesh & AP Das 161*, dated 07. 02. 2009.

Monopodial tree; leaves in terminal crown; leaves to 2 m, pinnae 40–130 per side of rachis, linear, irregularly arranged; male inflorescences erect, with many rachillae, female inflorescences erect, becoming pendulous; flowers yellowish; fruits orange-brown or purple-brown, obovoid.

Local distribution: Hill forest areas.

ASPARAGACEAE

Asparagus filicinus Buchanan-Hamilton ex D. Don, *Prodr. Fl. Nepal.* 49. 1825. L.N.: *Satamuli*

Exsiccatae: *Animesh & AP Das 093*, dated 19. 01. 2009.

Suffrutescent, stems erect, sparsely branched; cladodes in fascicles, linear, leaf spur spinescent, spine straight or subrecurved; inflorescences developing after cladodes, axillary, many flowered raceme; flowers white; fruits globose.

Local distribution: Riverside forest areas.

Asparagus racemosus Willdenow, *Sp. Pl.* 2: 152. 1799. L.N.: Satamuli, Kurilo, Nagbel

Exsiccatae: Animesh & AP Das 030, dated 17. 01. 2009.

Suffrutescent, stems climbing, branched; cladodes in fascicles, linear, spine straight; racemes developing after cladodes, axillary, many flowered raceme; flowers white; fruits globose.

Local distribution: Riverside forest areas.

COMMELINACEAE

Commelina diffusa Burman f., *Fl. Indica* 18. 1768. L.N.: Kane ghas

Exsiccatae: Animesh & AP Das 319, dated 07. 02. 2010.

Perennial herbs, stems creeping, rooting at nodes, branched; lamina lanceolate or proximal ones oblong, acuminate, base cordate or rounded, glabrous or hispid; cincinni dichotomously branched from base; flowers bluish; capsule oblong, trigonous.

Local distribution: River valley.

Cyanotis vaga (Loureiro) Schultes & Schultes f., *Syst. Veg.* 7: 1153. 1830. *Tradescantia vaga* Loureiro, *Fl. Cochinch.* 1: 193. 1790.

Exsiccatae: Animesh & AP Das 144, dated 06. 02. 2009.

Perennial herbs, bulbs globose, stems amply branched; leaves all cauline, lamina linear to lanceolate, acuminate, base cordate or rounded, abaxially glabrous or sparsely pub-escens; cincinni solitary; flowers blue; capsule obovoid, trigonous.

Local distribution: Roadside open vegetation.

Floscopa scandens Loureiro, *Fl. Cochinch.* 193. 1790. L.N.: Chillopai

Exsiccatae: Animesh & AP Das 224, dated 14. 05. 2009.

Perennial herbs, prostrate; leaves usually sessile or with short winged petiole, lamina elliptic to lanceolate, acuminate, base cordate or rounded; profusely terminal and axillary broomlike panicle inflorescences; flowers blue; capsule ovoid, compressed.

Local distribution: River Valley.

COSTACEAE

Cheilocostus speciosus (J. Koenig) C.D. Specht, *Taxon* 55: 159. 2006. *Banksea speciosa* J. Koenig, *Observ. Bot.* 3: 75. 1783.

Exsiccatae: Animesh & AP Das 269, dated 20. 09. 2009.

Rhizomatous geophyte; stem erect, tall, leafy; lamina oblong or lanceolate, acuminate or caudate-acuminate, base subrounded; spikes terminal; flowers white; capsule red, globose.

Local distribution: Throughout the forests.

CYPERACEAE

Cyperus laxus H.J. Lam, *Tabl. Encycl.* 1: 146. 1791. L.N.: Mothe

Exsiccatae: Animesh & AP Das 344, dated 08. 02. 2010.

Perennial herbs, culms erect, 3-angled; leaves equaling or shorter than culm; sheath pale green and eventually reddish brown; lamina wide, flat, scabrous; decomposed anthela terminal; nutlet dark brown, ellipsoid.

Local distribution: River valley.

Eleocharis palustris (Linnaeus) Roemer & Schultes, *Syst. Veg.* 2: 151. 1817. *Scirpus palustris* Linnaeus, *Sp. Pl.* 1: 47. 1753.

Exsiccatae: Animesh & AP Das 086, dated 19. 01. 2009.

Perennials, rhizomes creeping; leaf sheaths 1 or 2, basally red purple, tubular, lamina linear; spikelet oblong, many flowered; nutlet at first yellowish then becoming brownish, obovoid.

Local distribution: Stream side hill slopes.

Eriophorum comosum Nees in wight, Contrib. 110. 1834. L.N.: Baboi Khar

Exsiccatae: Animesh & AP Das 414, dated 16. 05. 2010.

Rhizomes short, culms densely tufted, 3-angled; leaves many, overtopping inflorescence; lamina linear, involute and scabrous, gradually tapering and setaceous toward apex; spikelets many; nutlet narrowly oblong.

Local distribution: River valley.

Kyllinga brevifolia Rottboell, Descr. Icon. Rar. Pl. 13. 1773. L.N.: Mothe

Exsiccatae: Animesh & AP Das 209, dated 13. 05. 2009.

Perennials, rhizomes slender, long creeping, culms compressed 3-angled; leaves shorter to slightly longer than culm; sheaths brown, mouth obliquely truncate, apex acuminate; lamina linear, flaccid, flat, midvein and apical margin spinulose; spike 1-3, globose; nutlet obovoid-oblong.

Local distribution: River valley.

Scleria terrestris (Linnaeus) Fassett, Rhodora 26: 159. 1924. *Zizania terrestris* Linnaeus, Sp. Pl. 2: 991. 1753.

Exsiccatae: Animesh & AP Das 280, dated 21. 09. 2009.

Perennial, stoloniferous, rhizomes woody; leaf sheaths papery; lamina linear, slightly scabrous, papery, glabrous; panicle with 1-3 distant branches; nutlets white or pale brown, spherical to ovoid.

Local distribution: Streamside vegetation.

DIOSCOREACEAE

Dioscorea belophylla (Prain) Voigt ex Haines, Forest Fl. Chota Nagpur 530. 1910. *Dioscorea nummularia* var. *belophylla* Prain, Bengal Pl. 2: 1065. 1903. L.N.: Janglee alu

Exsiccatae: Animesh & AP Das 124, dated 05. 02. 2009.

Twining herbs, rootstock rhizomatous; leaves alternate, simple; lamina broadly ovate, entire, acuminate, base cordate to subtruncate; flowers arranged spirally in axillary, spikes, greenish; capsules globose or oblong-obovoid.

Local distribution: Hill area forests.

Dioscorea deltoidea Wallich ex Grisebach, Fl. Bras. 3(1): 43. 1842.

Exsiccatae: Animesh & AP Das 114, dated 20. 01. 2009.

Rhizome horizontal, ginger-shaped, stem twining to left; leaves alternate, simple; lamina triangular or triangular-ovate, entire, acuminate, base shallowly cordate to subtruncate; male flowers solitary or paired; flowers whitish; capsule reflexed, brown at maturity, globose or oblong-obovoid.

Local distribution: Hill area forests.

Dioscorea esculenta (Loureiro) Burkill, Gard. Bull. Straits Settlem. 1: 396. 1917. *Oncus esculentus* Loureiro, Fl. Cochinch. 1: 194. 1790.

Exsiccatae: Animesh & AP Das 438, dated 25. 09. 2010.

Twining herbs, stem twining to left; leaves alternate, simple; lamina broadly cordate, entire, acute, base cordate; spikes solitary, pendent; flowers whitish; capsule very seldom maturing, base truncate, apex slightly emarginated.

Local distribution: Road side bushes.

Dioscorea hamiltonii Hooker f., Fl. Brit. India 6: 294. 1892. L.N.: Jat tarul

Exsiccatae: Animesh & AP Das 339, dated 08. 02. 2010.

Twining herbs, rootstock rhizomatous; leaves simple; lamina broadly cordate or broadly ovate, entire, acuminate, base cordate; spikes long; flowers whitish; fruits oblong.

Local distribution: Core area of forests.

Dioscorea prazeri Prain & Burkill, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73(Suppl.): 2. 1904. L.N.: Gittha

Exsiccatae: *Animesh & AP Das 198*, dated 12. 05. 2009.

Twining herbs, rootstock rhizomatous; leaves alternate, simple; lamina broadly cordate, entire, shortly acuminate, base cordate; spikes or racemes elongated; flowers yellowish; capsules ovoid, truncate, apex slightly emarginate.

Local distribution: Throughout the forests.

Dioscorea pubera Blume, *Enum. Pl. Javae 1: 21. 1827.*

Exsiccatae: *Animesh & AP Das 321*, dated 07. 02. 2010.

Twining herbs, rootstock rhizomatous; leaves opposite, simple; lamina broadly cordate, shortly acuminate, base cordate; spikes axillary; flowers whitish.

Local distribution: Road side bushes.

HYPOXIDACEAE

Curculigo orchioides Gaertner, *Fruct. Sem. Pl. 1: 63. 1788.*

Exsiccatae: *Animesh & AP Das 158*, dated 07. 02. 2009.

Rhizomes erect, subcylindric; lamina lanceolate to linear, narrowly acuminate; umbel-like racemes, 4 - 6 yellow flowered; flowers white; berry subfusiform.

Local distribution: Core area of forests.

Molineria capitulata (Loureiro) Herbert, *Amaryllidaceae 84. 1837. Leucojum capitulatum* Loureiro, *Fl. Cochinch. 199. 1790. L.N.: Sarah*

Exsiccatae: *Animesh & AP Das 038*, dated 17. 01. 2009.

Perennial herbs, rhizome stout; lamina oblong-lanceolate, acuminate; raceme deflexed capitates; flowers yellow in globose bracteates basal heads; berry white.

Local distribution: Forest margins and stream side areas.

MARANTACEAE

Phrynium pubinerve Blume, *Enum. Pl. Javae 38. 1827.*

Exsiccatae: *Animesh & AP Das 102*, dated 19. 01. 2009.

Herbs, rhizomes cylindric, fleshy, starchy; lamina oblong - elliptic, shortly cuspidate, base rounded to truncate; inflorescences 2 or 3 per leafy shoot; flowers white with blue veined; capsule trigonous, oblong ovoid, dehiscent.

Local distribution: River Valley.

MUSACEAE

Musa paradisiaca Linnaeus, *Sp. Pl. 1043. 1753. L.N.: Kera*

Exsiccatae: *Animesh & AP Das 110*, dated 19. 01. 2009.

Pseudostems clumped, yellow-green; lamina oblong, entire, petiole spongy, base asymmetric. spadix pendulous; flowers redish; berries yellow when ripe, oblong, slightly curve.

Local distribution: Hill forest areas.

ORCHIDACEAE

Aerides multiflora Roxburgh, *Pl. Coromandel 3: 68. 1820.*

Exsiccatae: *Animesh & AP Das 195*, dated 12. 05. 2009.

Epiphytic herbs, stems ascending, enclosed by leaf sheaths; leaves distichous, linear-oblong, tip bilobed, base jointed and sheathing, leathery, slightly fleshy; racemes densely many flowered; flowers pinkish.

Local distribution: Core area of forests.

Aerides odorata Loureiro, *Fl. Cochinch. 525. 1790.*

Exsiccatae: *Animesh & AP Das 121*, dated 05. 02. 2009.

Stems branched; lamina broadly lorate, obtuse and unequally bilobed, base jointed, thickly leathery; inflorescence nodding, racemose, dense; flowers purple.

Local distribution: Core forest areas.

Arundina graminifolia (D. Don) Hochreutiner, *Bull. New York Bot. Gard. 6: 270. 1910. Bletia graminifolia* D. Don, *Prodr. Fl. Nepal. 29. 1825. L.N.: Ghumring*

Exsiccatae: Animesh & AP Das 251, dated 19. 09. 2009.

Terrestrial, stems tall, rigid, enclosed by leaf sheaths; leaves numerous, acuminate, leathery or papery; inflorescence raceme or panicle; flowers pink.

Local distribution: Stream side hill slopes.

Bulbophyllum careyanum (Hooker) Sprengel, *Syst. Veg.* 3: 732. 1826. *Anisopetalon careyanum* Hooker, *Exot. Fl.* 2: t. 149. 1825. L.N.: Sunakheri

Exsiccatae: Animesh & AP Das 109, dated 19. 01. 2009.

Epiphytic herbs, rhizome creeping, bearing a series of pseudobulbs; leaves 1 or rarely 2, arising from apex of pseudobulbs, lamina usually leathery; flowers usually racemose or umbellate, yellow.

Local distribution: Core area of forests.

Bulbophyllum cornu-cervi King, *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist.* 64(2): 332. 1895. L.N.: Jibanti, Sunakheri

Exsiccatae: Animesh & AP Das 485, dated 27. 09. 2010.

Epiphytic herbs, rhizome creeping, bearing a series of pseudobulbs; lamina elliptic to ovate, obtuse to acute; flowers usually racemose, yellow.

Local distribution: Hill slopes and core forest areas.

Dendrobium aphyllum (Roxburgh) C.E.C. Fischer, *Fl. Madras* 1416. 1928. *Limodorum aphyllum* Roxburgh, *Pl. Coromandel* 1: 34. 1795. L.N.: Musakane

Exsiccatae: Animesh & AP Das 172, dated 07. 02. 2009.

Epiphytic herbs, stems erect and many noded; lamina oblong-lanceolate, acute, base not decurrent into clasping sheath, leathery; racemes many flowered; flowers pink.

Local distribution: River valley.

Dendrobium fugax Reichenbach f., *Gard. Chron.* 1871: 1257. 1871.

Exsiccatae: Animesh & AP Das 237, dated 19. 09. 2009.

Epiphytic herbs, stems erect and many noded; leaves alternate, oblanceolate, acute, base not decurrent into clasping sheaths, leathery; racemes many flowered; flowers white.

Local distribution: Hill area forests.

Dendrobium jenkinsii Wallich ex Lindley, *Edwards's Bot. Reg.* 25: t. 37. 1839.

Exsiccatae: Animesh & AP Das 313, dated 22. 09. 2009.

Pseudobulbs aggregated, ovoid; leaves apical, oblanceolate, acute; 1-3 inflorescence arises from pseudobulbs; flowers yellow-orange.

Local distribution: Hill area forests.

Eria lasiopetala (Willdenow) Ormerod, *Opera Bot.* 124: 22. 1995. *Aerides lasiopetala* Willdenow, *Sp. Pl.* 4(1): 130. 1805.

Exsiccatae: Animesh & AP Das 335, dated 08. 02. 2010.

Epiphytic herbs, rhizome creeping, stems pseudobulbous; leaves convolute in bud, elliptic to narrowly elliptic, tapering at base, articulate, leathery; inflorescence axillary; flowers yellowish.

Local distribution: Riverside forests.

Nephelephyllum pulchrum Blume, *Bijdr.* 373. 1825.

Exsiccatae: Animesh & AP Das 170, dated 07. 02. 2009.

Terrestrial herbs, rhizomes creeping; leaves sessile, ovatecordate, acute, base subcordate, slightly fleshy; flowers terminal, white.

Local distribution: Hill area forests.

Papilionanthe teres (Roxburgh) Schlechter, *Orchis* 9: 78. 1915. *Dendrobium teres* Roxburgh, *Fl. Ind.*, ed. 1832, 3: 485. 1832.

Exsiccatae: Animesh & AP Das 375, dated 14. 05. 2010.

Stems rambling, branched; leaves well spaced, terete, obtuse, fleshy; racemes slightly longer than leaf; flowers pinkish white.

Local distribution: Throughout the forests.

Oberonia ensiformis (Smith) Lindley, *Fol. Orchid.* 8: 4. 1859. *Malaxis ensiformis* Smith in Rees, *Cycl.* 22: *Malaxis* no. 14. 1812.

Exsiccatae: Animesh & AP Das 525, dated 29. 09. 2010.

Plants rather large, short stem; leaves subbasal, laterally compressed, ensiform, slightly falcate, acuminate or long acuminate, base articulate, thick; many flowered spikes; flowers green.

Local distribution: Hill slope and core forest areas.

PANDANACEAE

Pandanus unguifer Hooker f., *Bot. Mag.* 104: t. 6347. 1878. L.N.: *Janglee Anaras*

Exsiccatae: Animesh & AP Das 167, dated 07. 02. 2009.

Trees, stems erect, many branched; leaves simple, terminal, sessile, densely arranged in corkscrew spirals, linear, spinose-serrate; male inflorescence pedunculate; flowers whitish.

Local distribution: Hill area forests.

POACEAE

Bambusa tulda Roxburgh, *Fl. Ind. ed.* 1832 2: 193. 1832. L.N.: *Filling Bnaas*

Exsiccatae: Animesh & AP Das 296, dated 21. 09. 2009.

Perennial, culms apically slightly drooping, culm sheaths deciduous; lamina broadly linear or linear-lanceolate, abaxially pale gray, densely villous, adaxially deep green, glabrous; spikes long.

Local distribution: Hill forest areas.

Bambusa vulgaris Schrader, *Coll. Pl.* 2: 26. 1808.

Exsiccatae: Animesh & AP Das 094, dated 19. 01. 2009.

Clumps rather open, ribbed-striate when dry; lamina narrowly lanceolate, both surfaces glabrous; pseudospikelets several, clustered at nodes.

Local distribution: Riverside forest areas.

Capillipedium assimile (Steudel) A. Camus, *Fl. Indo-Chine* 7: 314. 1922. *Andropogon assimilis* Steudel, *Syn. Pl. Glumac.* 1: 397. 1854. L.N.: *Kharugi / Mihi khar*

Exsiccatae: Animesh & AP Das 261, dated 20. 09. 2009.

Perennial, culms decumbent, rooting at base; lamina linear-lanceolate, setaceously acuminate, base tapering, glabrous or hispidulous; panicle pyramidal.

Local distribution: Streamside vegetation.

Centotheca lappacea (Linnaeus) Desvaux, *Nouv. Bull. Sci. Soc. Philom. Paris* 2: 189. 1810. *Cenchrus lappaceus* Linnaeus, *Sp. Pl.*, ed. 2, 2: 1488. 1763.

Exsiccatae: Animesh & AP Das 212, dated 13. 05. 2009.

Perennial, culms solitary or loosely tufted, erect; leaf sheaths smooth or ciliate along one margin, lamina broadly lanceolate, apex long-attenuate; spikelets clustered around them.

Local distribution: Riverside forest areas.

Cynodon dactylon (Linnaeus) Persoon, *Syn. Pl.* 1: 85. 1805. *Panicum dactylon* Linnaeus, *Sp. Pl.* 1: 58. 1753. L.N.: *Dubo*

Exsiccatae: Animesh & AP Das 199, dated 12. 05. 2009.

Perennial, runners long, slender; leaf sheaths bearded at mouth, otherwise glabrous or thinly pilose, lamina linear, short and narrow, subacute, usually glabrous; racemes digitate.

Local distribution: Throughout the forests.

Eragrostis amabilis (Linnaeus) Wight & Arnott, *Cat. Indian Pl.* 2: 105. 1834. *Poa amabilis* Linnaeus, *Sp. Pl.* 68. 1753. L.N.: *Bhnui Ghas*

Exsiccatae: Animesh & AP Das 138, dated 06. 02. 2009.

Annual, culms slender; leaf sheaths pilose at summit, compressed, margin submembranous; lamina flat or involute; panicle solitary or clustered, 4–10 flowered.

Local distribution: River valley.

Panicum notatum Retzius, *Observ. Bot.* 4: 18. 1786. L.N.: *Banso*

Exsiccatae: Animesh & AP Das 262, dated 20. 09. 2009.

Perennial, culms rambling; leaf sheaths striate, puberulous to subglabrous, ciliolate on margins toward throat; lamina lanceolate, scabrid, finely pointed to acuminate, base cordate, subglabrous to pubescent; panicle broadly ovate in outline, spikelets elliptic.

Local distribution: River valley.

Oplismenus compositus (Linnaeus) Palisot de Beauvois, *Ess. Agrostogr.* 54. 1812. *Panicum compositum* Linnaeus, *Sp. Pl.* 1: 57. 1753.

Exsiccatae: Animesh & AP Das 028, dated 17. 01. 2009.

Perennial, culms stoloniferous; leaf sheaths glabrous, pilose or tuberculate-hairy; lamina lanceolate to ovate-lanceolate, base usually oblique, subglabrous to tuberculate hairy; inflorescence ascending to erect.

Local distribution: Throughout the forests.

Saccharum longisetosum (Andersson) V. Narayanaswami ex Bor, *Fl. Assam 5(App. 1):* 461. 1940. *Erianthus longisetosus* Andersson, *Öfvers. Kongl. Vetensk.-Akad. Förh.* 12: 163. 1855.

Exsiccatae: Animesh & AP Das 173, dated 07. 02. 2009.

Perennial, with long rhizomes, culms erect; leaf sheaths longer than internodes, mouth bearded; lamina linear-elliptic, acuminate, tapering to base, glabrous; spikes with lower glume papery and dark brown below middle at maturity.

Local distribution: River valley.

Saccharum spontaneum Linnaeus, *Mant. Pl.* 2: 183. 1771. L.N.: *Kasphool*

Exsiccatae: Animesh & AP Das 092, dated 19. 01. 2009.

Perennial, with long rhizomes; culms erect; leaf sheaths pilose at mouth and margin, sometimes tuberculate-pilose throughout; lamina linear elliptic, serrate, long attenuate, tapering to midrib at base, glaucous, glabrous; callus hairs 3–4 times length of spikelet.

Local distribution: River valley.

Setaria palmifolia (J.Koenig) Stapf, *J. Linn. Soc., Bot.* 42: 186. 1914. *Panicum palmifolium* J.Koenig, *Naturforscher (Halle)* 23: 208. 1788.

Exsiccatae: Animesh & AP Das 140, dated 06. 02. 2009.

Perennial from a short woody, knotted rhizome, culms erect; leaf sheaths usually sparsely hispid, margins tuberculate-ciliate near ligule, otherwise glabrous; lamina fusiform-lanceolate, plicate, acuminate, narrowed toward base; spikelets broadly lanceolate.

Local distribution: River valley.

Thysanolaena latifolia (Roxburgh ex Hornemann) Honda, *J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot.* 3: 312. 1930. *Melica latifolia* Roxburgh ex Hornemann, *Suppl. Hort. Bot. Hafn.* 117. 1819. L.N.: *Kucho, Amlisho*

Exsiccatae: Animesh & AP Das 070, dated 18. 01. 2009.

Culms hard, unbranched; leaf sheaths smooth; lamina broadly lanceolate-oblong, leathery; ligule truncate; panicle up to 60 cm, open or contracted.

Local distribution: Hill area forests.

SMILACACEAE

Smilax ovalifolia Roxburgh ex D. Don, *Prodr. Fl. Nepal.* 49. 1825.

Exsiccatae: Animesh & AP Das 492, dated 27. 09. 2010.

Large liana, less branched; lamina ovate-elliptic, entire, acute, base cuneate; umbels in compound inflorescence, axillary; flowers greenish; berry globose.

Local distribution: Core area of forests.

ZINGIBERACEAE

Alpinia calcarata (Haworth) Roscoe, *Trans. Linn. Soc. London* 8: 347. 1807. *Renealmia calcarata* Haworth, *Bot. Repos.* 6: t. 421. 1805. L.N.: Purundi

Exsiccatae: Animesh & AP Das 043, dated 17. 01. 2009.

Terrestrial and marshy area; pseudostems large; lamina linear-lanceolate, acuminate and caudate-mucronate, base attenuate, glabrous; inflorescence panicle, proximal branches 3- or 4 flowered; flowers pink with yellow spots; capsule red, globose.

Local distribution: River valley.

Alpinia nigra (Gaertner) Burt, *Notes Roy. Bot. Gard. Edinburgh* 35: 213. 1977. *Zingiber nigrum* Gaertner, *Fruct. Sem. Pl.* 1: 35. 1788.

Exsiccatae: Animesh & AP Das 125, dated 05. 02. 2009.

Pseudostems large; lamina lanceolate or elliptic-lanceolate, acute, base acute, glabrous; panicles erect, usually lax with remote cincinni; flowers pink, capsule black when dry, globose.

Local distribution: Riverside forest areas.

Globba marantina Linnaeus, *Mant. Pl.* 2: 170. 1771. L.N.: Janglee Hardi

Exsiccatae: Animesh & AP Das 136, dated 06. 02. 2009.

Pseudostem base expanded, branched; lamina oblong-elliptic to ovate-lanceolate, caudate, base acute; flowers in thyrsi, yellow, with orange, glandular spots; capsules ellipsoid.

Local distribution: Throughout the forests.

Globba racemosa Smith, *Exot. Bot.* 2: 115. 1806.

Exsiccatae: Animesh & AP Das 176, dated 11. 05. 2009.

Pseudostem base expanded; leaf sheath ciliate; lamina oblong or ovate-lanceolate, caudate, base acute; flowers in thyrses, solitary, yellow, with orange spots; capsules ellipsoid.

Local distribution: Throughout the forests.

Hedychium thyrsiforme J. E. Smith, *Cycl.* 17: 4. 1811. L.N.: Mala Khasrey

Exsiccatae: Animesh & AP Das 055, dated 17. 01. 2009.

Pseudostems large; lamina oblong-lanceolate or lanceolate, long acuminate, base acute; spikes compact, many flowered; flowers white, fragrant.

Local distribution: Core area of forests.

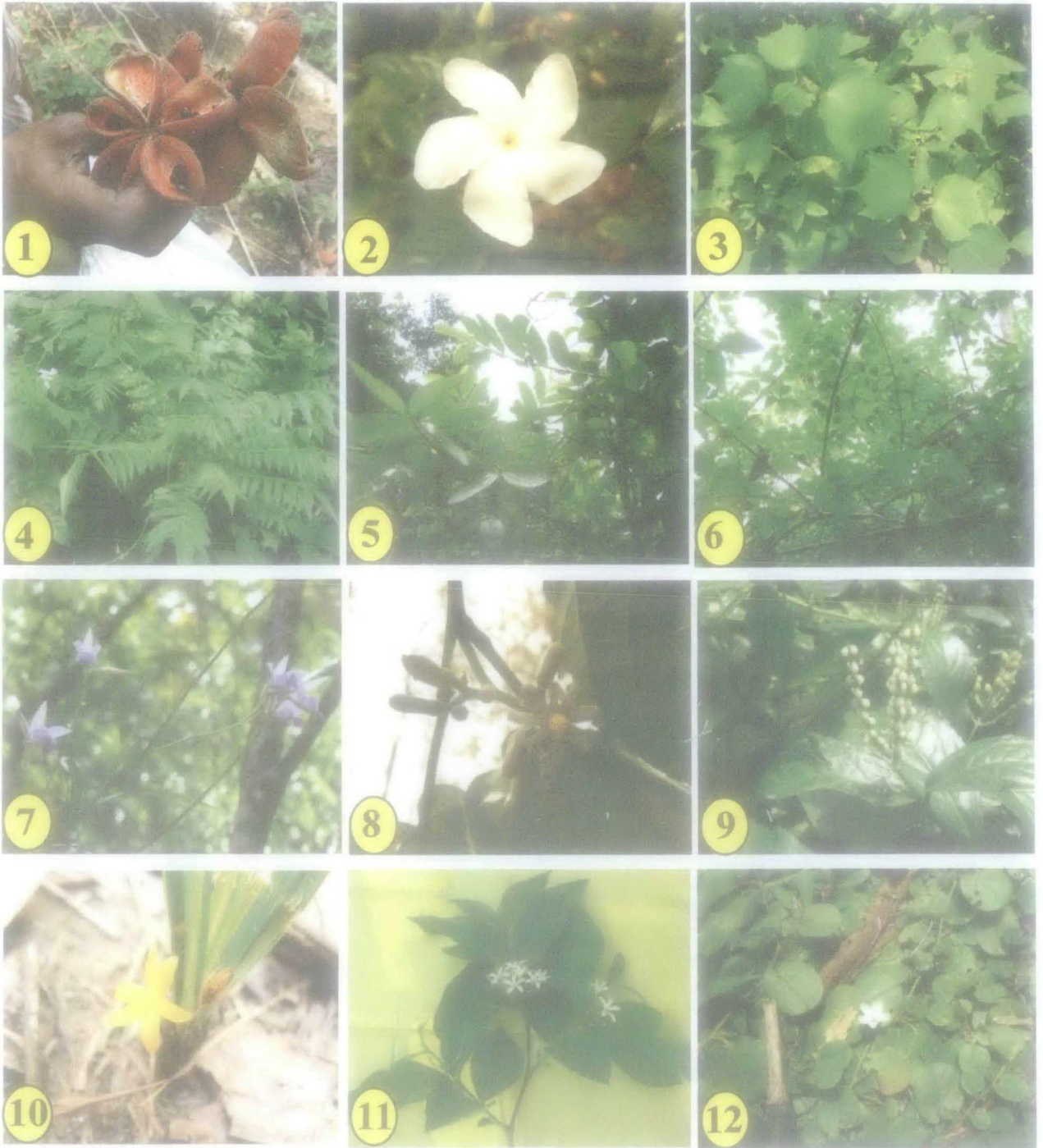


Plate I (Flora of Jainti):

1. Fruits of *Sterculia villosa* Roxburgh; 2. *Tabernaemontana divaricata* (Linnaeus) R. Brown ex Roemer & Schultes; 3. *Triumfetta rhomboidea* Jacquin; 4. *Clausena excavata* Burman f.; 5. *Psidium guajava* Linnaeus; 6. *Meyna spinosa* Roxburgh ex Link; 7. *Arundina graminifolia* (D. Don) Hochreutiner; 8. *Alangium chinense* (Loureiro) Harms; 9. *Chloranthus elatior* Link; 10. *Curculigo orchioides* Gaertner; 11. *Holarrhena pubescens* Wallich ex G. Don; 12. *Evolvulus nummularius* (Linnaeus) Linnaeus



Plate II (Flora of Jainti):

13. *Rauvolfia serpentina* (Linnaeus) Bentham *ex* Kurz; 14. *Tetrastigma bracteolatum* (Wallich) Planchon; 15. *Helminthostachys zeylanica* (Linnaeus) Hooker; 16. *Papilionanthe teres* (Roxburgh) Schlechter; 17. *Polyalthia simiarum* (Buchanan-Hamilton *ex* Hooker *f.* & Thomson) Bentham *ex* Hooker *f.* & Thomson; 18. *Ardisia solanacea* Roxburgh; 19. *Globba racemosa* Smith; 20. *Ixora athroantha* Bremekamp; 21. *Angiopteris evecta* (G. Forster) Hoffmann; 22. *Morinda angustifolia* Roxburgh; 23. *Eranthemum pulchellum* Andrews; 24. *Lindernia ciliata* (Colsmann) Pennell; 25. *Lantana camara* Linnaeus; 26. *Cyanotis vaga* (Loureiro) Schultes & Schultes *f.*