

ONE HUNDRED AND THREE NEW ADDITIONS TO THE ANGIOSPERM FLORA OF LAWACHARA NATIONAL PARK, BANGLADESH

NAIMUR RAHMAN¹, MD. ABDUL AWAL SARKER² AND SARDER NASIR UDDIN

Bangladesh National Herbarium, Chiriakhana Road, Mirpur-1, Dhaka-1216, Bangladesh

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Abstract

In the present paper additional occurrence of 103 species in 92 genera under 57 angiosperm families in the Lawachara National Park of Maulvibazar district is reported. Of these, 88 species in 77 genera are from Magnoliopsida (Dicots) and 15 species in 15 genera are from Liliopsida (Monocots). These species exhibit in diverse life forms in the area, viz., 30 species are herbs, 30 species are shrubs, 38 species are trees and 5 species are climbers. An enumeration of the species recorded is presented with important synonyms, local names (in available case), habit, habitat, flowering and fruiting time, use (whenever available) and representative specimens.

Introduction

Lawachara National Park is a part of the West Bhanugach Reserved Forest situated in Kamalganj upazila of Maulvibazar district with an area of 1250 hectares (BFD, 2018) and lies between 24°30'-24°32' N latitude and 91°37'-91°39' E longitude. The Lawachara National Park is an indigenous vegetation cover of mixed tropical evergreen forest (Alam, 1988). The floristic diversity of the forest has been studied and two subsequent reports on the park have been published with the occurrence of 167 (Mollah *et al.*, 2003) and 374 plant species (Uddin and Hassan, 2010). Further investigation to the same forest area has been carried out for extensive survey and sample collection by Bangladesh National Herbarium (BNH). The determination of collected specimens was made and a total of 103 species are recognized, as additions to the previous accounts.

Lawachara National Park is an ecologically important as well as biodiversity rich area of the country. It is home of many threatened plants as well as animals. The forest is a popular destination for nature lovers and scientists. Surveys continually find species new for the forest and several species are only known in Bangladesh from Lawachara. The climate, cool clean air and lush green seems a world away from the rest of the Bangladesh. That's why the floristic survey of the park is utmost necessary for the proper management of the park. Mollah *et al.* (2003) enlisted 167 plant species with other biological compositions on the basis of secondary data to manage the pilot protected areas. In 2008, the Bangladesh government permitted the US-based international Chevron Corporation (petroleum) to conduct a 3D seismic exploration in the Lawachara National Park. In this regard, Uddin and Hassan (2010) worked for USAID and preliminary assess the park flora to establish co-management strategy for the conservation of biodiversity and sustainable development. So none of these floristic surveys were systematic and comprehensive. That's why during the period of 2009-10, Bangladesh National Herbarium (BNH) was taken an initiative and survey the whole park systematically and comprehensively adding 103 species to the previous survey.

¹ Corresponding author: E-mail: naimur_durjoy@yahoo.com

² Bangladesh Forest Department, Bana Bhaban, Agargaon, Dhaka-1207, Bangladesh.

Materials and Methods

The specimens were collected from different habitats of the forest including forest floors, plain lands, forest margins, streams, swamps, hill slopes and hill tops during 2009-2010. The specimens were identified at Bangladesh National Herbarium (DACB) and identifications were confirmed by consulting Hooker (1872-1897), Prain (1903), Heinig (1925), Kanjilal *et al.* (1934-1940), Dassanayake and Fosberg (1980-1985), Khan (1972-1987), Alam (1988), Khan and Rahman (1989-2002), Hajra *et al.* (1997), Singh *et al.* (2000), Uddin and Hassan (2004) and Ahmed *et al.* (2007-2009). The voucher specimens were kept at the Bangladesh National Herbarium (DACB). An enumeration of these species is prepared with updated nomenclature, important synonyms, Bengali names (wherever available), habit, habitat, flowering and fruiting time, use (whenever available) and representative specimen of each taxon. One specimen citation is provided to avoid the extra volume of the paper. In the enumeration, the arrangement of the families is followed according to the classification system of Cronquist (1981).

Results and Discussion

The present study revealed the occurrence of additional 103 angiosperm species under 92 genera of 57 families, amongst which Magnoliopsida is represented by 88 species under 77 genera and 47 families, whereas Liliopsida is represented by 15 species, 15 genera and 10 families. These species exhibit in diverse life forms in the area, *viz.*, herbs are represented by 30, shrubs by 30, trees by 38 and climbers by 5 species. The family Euphorbiaceae appears as the largest in Magnoliopsida represented by 10 species, whereas the Commelinaceae is the largest family in Liliopsida comprising 3 species in this addition.

In the present study *Alchornea mollis*, *Ancistrocladus tectorius*, *Dianella ensifolia* and *Ilex glomerata* have been reported as new record for Bangladesh. Fifteen species of the park have been listed as threatened in the Red Data Book of Vascular Plants of Bangladesh (Khan *et al.*, 2001 and Ara *et al.*, 2013).

Taxonomic Enumeration

CLASS: MAGNOLIOPSIDA (DICOTS)

FAMILY: MAGNOLIACEAE

1. **Magnolia mannii** (King) Figlar, Proc. Int. Symp. Magnoliac. 22 (2000). *Michelia mannii* King (1891). Local name: *Manichapa*. A medium sized tree in hilly areas. *Flowering & fruiting*: October-May. *Use*: Timber is used for making furniture. *Representative specimen*: Moulvibazar: Lawachara National Park; 19.8.2009, S.N. Uddin, N3943 (DACB).

FAMILY: ANNONACEAE

2. **Miliusa roxburghiana** Hook.f. & Thomson, Fl. Ind. 1: 150 (1855). Local name: *Tasbi*. A small tree in deep forest. *Flowering & fruiting*: December-September. *Use*: Leaves are used in headache. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3690 (DACB).

FAMILY: LAURACEAE

3. **Alseodaphne petiolaris** Hook.f., Fl. Brit. India 5: 144 (1886). *Nothaphoebe petiolaris* Meisn. (1864). Local name: *Alasittopet*. A tree in dry sparse forests. *Flowering & fruiting*: April-October. *Use*: The wood is used for house building, interior finish, furniture and cabinet making. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3575 (DACB).

4. *Cryptocarya amygdalina* Nees, Pl. Asiat. Rar. 2: 69 (1831). *Laurus amygdalina* Buch.-Ham. ex Wall. (1830). Local name: *Bhuiya gachh*. A tree in evergreen broad-leaved forests on hilly land. *Flowering & fruiting*: March-November. *Use*: The wood is used for making tea boxes. *Representative specimen*: Moulvibazar: Lawachara National Park; 18.8.2009, S.N. Uddin, N3920 (DACB).

5. *Ocotea lancifolia* (Schott) Mez, Jahrb. Königl. Bot. Gart. Berlin 5: 254 (1889). *Persea angustifolia* Schott (1827). Local name: *Dulia*. A tree in broad-leaved hilly forests. *Flowering & fruiting*: April-September. *Use*: The stems used as firewood. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3895 (DACB).

FAMILY: CHLORANTHACEAE

6. *Chloranthus elatior* Link, Enum. Hort. Berol. Alt. 1: 140 (1821). *Chloranthus erectus* (Buch.-Ham.) Sweet ex Wall. (1832). Local name: *Rantas*. A herb or small shrub in evergreen forests, often riverine and mostly in damp shady places. *Flowering & fruiting*: Throughout the year. *Use*: Used to treat fever. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3608 (DACB).

FAMILY: SCHISANDRACEAE

7. *Kadsura heteroclita* (Roxb.) Craib, Fl. Siam. 1: 28 (1925). *Kadsura acuminata* P.Parm. (1895). Local name: *Kadsuta*. A shrub in moist forests. *Flowering & fruiting*: April-December. *Representative specimen*: Moulvibazar: Lawachara National Park; 9.11.2009, S.N. Uddin, N3987 (DACB).

FAMILY: MENISPERMACEAE

8. *Cyclea barbata* Miers, Ann. Mag. Nat. Hist. III, 18: 19 (1866). Local name: *Patalpur*. A herb in forest margins. *Flowering & fruiting*: March-November. *Use*: The leaves and roots used as medicine. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3891 (DACB).

9. *Pycnarrhena pleniflora* Miers, Ann. Mag. Nat. Hist. III, 20: 12 (1867). Local name: *Henalora*. A shrub in evergreen forests and village thickets. *Flowering & fruiting*: March. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3699 (DACB).

FAMILY: SABIACEAE

10. *Sabia lanceolata* Colebr., Trans. Linn. Soc. London 12: 355, pl. 14, (1818). *Sabia kachinica* L. Chen. Local name: *Soobja*. A shrub in thickets and forests. *Flowering & fruiting*: October-April. *Use*: Leaves are used to reduce swelling and pain on the ankle and wrist. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3289 (DACB).

FAMILY: MORACEAE

11. *Ficus heteropleura* Blume, Bijdr. 466 (1825). *Ficus caudatifolia* Warb. (1905). Local name: *Plura dumur*. A small tree in forests. *Flowering & fruiting*: January-August. *Use*: Wood is used as fuel. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3295 (DACB).

12. *Ficus nervosa* B.Heyne ex Roth, Nov. Pl. Sp. 388 (1821). *Ficus modesta* (Miq.) Miq. (1867). Local name: *Pani dumur*. A large evergreen tree in forests. *Flowering & fruiting*: October-April.

Use: Wood is used as firewood. *Representative specimen:* Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3661 (DACB).

13. *Ficus variegata* Blume, Bijdr. 459 (1825). *Ficus cordifolia* Blume (1825). Local name: *Rangila dumur*. A large deciduous tree in forests. *Flowering & fruiting:* December-March. *Use:* Wood is used as firewood. *Representative specimen:* Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3886 (DACB).

FAMILY: URTICACEAE

14. *Boehmeria macrophylla* Hornem. Hort. Bot. Hafn. 2: 890 (1815). *Boehmeria canescens* Wedd. (1854). Local name: *Ulichara*. A shrub in forest margin. *Flowering & fruiting:* September-December. *Use:* Fibre is made into ropes. *Representative specimen:* Moulvibazar: Lawachara National Park; 10.11.2009, S.N. Uddin, N4068 (DACB).

15. *Oreocnide integrifolia* (Gaudich.) Miq. Ann. Mus. Bot. Lugduno-Batavi 4: 306 (1869). *Villebrunea integrifolia* Gaudich. (1847). Local name: *Horhuta*. An evergreen tree in moist shady slopes of evergreen forests. *Flowering & fruiting:* November-June. *Use:* It controls soil erosion. *Representative specimen:* Moulvibazar: Lawachara National Park; 8.3.2011, S.N. Uddin, N4453 (DACB).

FAMILY: AMARANTHACEAE

16. *Cyathula prostrata* (L.) Blume, Bijdr. 549 (1826). *Achyranthes alternifolia* L.f. (1782). Local name: *Shyontula*. An annual herb in forest borders. *Flowering & fruiting:* September-November. *Use:* Used against cough, dysentery, cholera and intestinal worms. *Representative specimen:* Moulvibazar: Lawachara National Park; 4.2.2009, S.N. Uddin, N3384 (DACB).

FAMILY: CARYOPHYLLACEAE

17. *Stellaria media* (L.) Vill., Hist. Pl. Dauphiné 3: 615 (1789). *Alsine media* L. (1753). Local name: *Sada fulki*. A herb in damp waste places and gardens. *Flowering & fruiting:* February-August. *Use:* Leaves are used as vegetables. *Representative specimen:* Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3346 (DACB).

FAMILY: DIPTEROCARPACEAE

18. *Anisoptera scaphula* (Roxb.) Kurz, Forest Fl. Burma 1: 547 (1877). *Anisoptera glabra* Kurz (1873). Local name: *Boilam*. A very tall tree in mixed evergreen forests. *Flowering & fruiting:* December-May. *Use:* Resin is used for torches and caulking boat. *Representative specimen:* Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3648 (DACB).

FAMILY: THEACEAE

19. *Eurya acuminata* DC., Prodr. 1: 525 (1824). *Eurya membranacea* Gardner (1847). Local name: *Lapet*. A small tree in edges of evergreen forests or scrub jungles. *Flowering & fruiting:* July-December. *Use:* Leaves used as green manure. *Representative specimen:* Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3364 (DACB).

FAMILY: ACTINIDIACEAE

20. *Saurauia roxburghii* Wall., Pl. Asiat. Rar. 2: 40 (1831). *Ternstroemia serrata* Roxb. (1832). Local name: *Dalup*. A shrub or small tree in edges of evergreen forests, often along streams. *Flowering & fruiting:* March-October. *Use:* Fruits are edible. *Representative specimen:* Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3595 (DACB).

FAMILY: CLUSIACEAE

21. *Garcinia anomala* Planch. & Triana, Ann. Sci. Nat., Bot. IV, 14: 329 (1860). *Garcinia monosperma* O.Berg & C.F.Schmidt (1863). Local name: *Thechu*. A small tree in evergreen forests. *Flowering & fruiting*: November-August. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3711 (DACB).

FAMILY: ELAEOCARPACEAE

22. *Elaeocarpus petiolatus* (Jacq.) Wall., Numer. List 2673 (1831). *Elaeocarpus integer* Wall. ex Müll.Berol. (1849). Local name: *Petipai*. A tree in moist deciduous forests. *Flowering & fruiting*: January-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3628 (DACB).

23. *Elaeocarpus rugosus* Roxb. ex G.Don, Gen. Hist. 1: 559 (1831). *Elaeocarpus aristatus* Roxb. (1832). Local name: *Ghasghapai*. A large tree in moist deciduous and evergreen forests. *Flowering & fruiting*: February-October. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3630 (DACB).

FAMILY: STERCULIACEAE

24. *Melochia corchorifolia* L., Sp. Pl. 675 (1753). *Melochia concatenata* L. (1753). Local name: *Tiki okra*. An annual herb in marshy lands. *Flowering & fruiting*: March-June. *Use*: Root extract is given for dysentery. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4088 (DACB).

FAMILY: MALVACEAE

25. *Hibiscus surattensis* L., Sp. Pl. 696 (1753). *Furcaria surattensis* Kostel. (1836). Local name: *Ram bhindi*. An annual herb in bushes and slopes of hills in monsoon forests. *Flowering & fruiting*: September-February. *Use*: Stem yields a strong fibre. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4092 (DACB).

26. *Sida rhombifolia* L., Sp. Pl. 684 (1753). *Sida alba* Cav. (1785). Local name: *Lal berela*. An erect undershrub in roadsides, fallow lands and waste places. *Flowering & fruiting*: July-December. *Use*: Used for treatment of pulmonary tuberculosis. *Representative specimen*: Moulvibazar: Lawachara National Park; 4.2.2009, S.N. Uddin, N3403 (DACB).

FAMILY: FLACOURTIACEAE

27. *Casearia vareca* Roxb., Fl. Ind. 2: 418 (1824). *Guidonia vareca* (Roxb.) Baill. ex Kurz (1877). Local name: *Bon jhalukia*. A large shrub in primary evergreen forests. *Flowering & fruiting*: May-February. *Use*: Fruit is used in suffering from worms. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3635 (DACB).

FAMILY: ANCISTROCLADACEAE

28. *Ancistrocladus tectorius* (Lour.) Merr., Lingnan Sci. J. 6: 329 1928 publ. (1930). *Ancistrocladus cochinchinensis* Gagnep. (1909). A shrub in evergreen tropical forests in valleys and on slopes. *Flowering & fruiting*: Throughout the year. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3684 (DACB).

FAMILY: SYMPLOCACEAE

29. *Symplocos cochinchinensis* (Lour.) S. Moore, J. Bot. 52(6): 148-149 (1914). *Symplocos ferruginea* Roxb. (1832). Local name: *Buri*. A tree in secondary and primary forests. *Flowering &*

fruiting: January-June. *Use*: Bark is used to cure biliousness, hemorrhage, diarrhea, gonorrhea. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4072 (DACB).

30. *Symplocos macrophylla* Wall., Numer. List 4431 (1831). *Eugenioides macrophyllum* Kuntze (1891). A small tree in evergreen forests. *Flowering & fruiting*: November-April. *Use*: Leaves yield dye. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3708 (DACB).

FAMILY: MYRSINACEAE

31. *Amblyanthus glandulosus* (Roxb.) A.DC., Ann. Sci. Nat., Bot. II, 16: 83 (1841). *Ardisia roxburghiana* D.Dietr. (1839). Local name: *Ambelaglun*. A small shrub in evergreen forests. *Flowering & fruiting*: May-December. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3606 (DACB).

32. *Hymenandra wallichii* A.DC., Ann. Sci. Nat., Bot. II, 16: 84 (1841). *Ardisia hymenandra* Wall. (1824). Local name: *Bhau Jawa*. A shrub in evergreen forests where the plant grows as undergrowth. *Flowering & fruiting*: April-January. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3584 (DACB).

33. *Maesa chisia* Buch.-Ham. ex D. Don, Prodr. Fl. Nepal. 148 (1825). *Maesa prodigiosa* C. Chen (1978). Local name: *Bilouni*. A shrub in evergreen forests as undergrowth. *Flowering & fruiting*: January-November. *Use*: Young fruits are edible. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3376 (DACB).

FAMILY: ROSACEAE

34. *Prunus ceylanica* (Wight) Miq., Flora van Nederlandsch Ind. 366 (1855). *Pygeum acuminatum* Colebr. (1818). Local name: *Ceylon cherry*. A medium sized tree in evergreen secondary forests, disturbed forests and jungles. *Flowering & fruiting*: July-October. *Use*: Wood is used for planking and boxes. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3623 (DACB).

FAMILY: MIMOSACEAE

35. *Adenantha pavonina* L., Sp. Pl. 1: 377 (1953). *Adenantha gersenii* Scheff. Local name: *Raktachandan*. A tree in village thickets and forest areas. *Flowering & fruiting*: Throughout the year. *Use*: Leaves are astringent. *Representative specimen*: Moulvibazar: Lawachara National Park; 19.8.2009, S.N. Uddin, N3960 (DACB).

36. *Entada rheedii* Spreng., Syst. Veg. 2:325 (1825). *Mimosa entada* L. (1753). Local name: *Gila*. A vigorous woody climber in primary and secondary forests. *Flowering & fruiting*: May-November. *Use*: Seeds are used as soap by tribal people. *Representative specimen*: Moulvibazar: Lawachara National Park; 10.11.2009, S.N. Uddin, N4039 (DACB).

FAMILY: FABACEAE

37. *Abrus precatorius* L., Syst. Nat. ed. 12: 472 (1767). *Glycine abrus* L. (1753). Local name: *Kunch*. A perennial climber in village thickets and forests. *Flowering & fruiting*: July-September. *Use*: Leaves are used in biliousness, leucoderma, itching and other skin diseases. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3877 (DACB).

38. *Desmodium heterocarpon* (L.) DC., Prodr. 2: 337 (1825). *Desmodium polycarpon* (Poir.) DC. (1825). Local name: *Karpo modi*. An undershrub in hilly areas. *Flowering & fruiting*: March-July. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4087 (DACB).

39. *Tadehagi triquetrum* (L.) H. Ohashi, Ginkgoana. 1: 290 (1973). *Desmodium triquetrum* (L.) DC. (1825). Local name: *Luri manda*. A shrub in forests and village thickets. *Flowering & fruiting*: July-March. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3368 (DACB).

40. *Tephrosia candida* (Roxb.) DC. Prodr. 2: 249 (1825). *Robinia candida* Roxb. (1832). Local name: *Bilakshani*. A shrub in hill slopes, roadsides and village thickets. *Flowering & fruiting*: August-February. *Use*: Cultivated as ornamental. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4075 (DACB).

41. *Uraria crinita* (L.) DC., Prodr. 2: 324 (1825). *Doodia crinita* Roxb. (1832). Local name: *Diangleja*. A shrub in hilly forest areas. *Flowering & fruiting*: October-February. *Use*: Roots are used to kill fish. *Representative specimen*: Moulvibazar: Lawachara National Park; 10.11.2009, S.N. Uddin, N4066 (DACB).

FAMILY: ONAGRACEAE

42. *Ludwigia octovalvis* (Jacq.) P.H. Raven, Kew Bull. 15: 476 1961 publ. (1962). *Ludwigia angustifolia* (Lam.) M. Gómez (1894). Local name: *Bhuikura*. A herb in marshy places, damp, grassland, cultivated fields, ditches, water courses, swamps, lakes and pools. *Flowering & fruiting*: January-December. *Use*: Heal wound on toes and feet. *Representative specimen*: Moulvibazar: Lawachara National Park; 23.9.2011, S.N. Uddin, N4848 (DACB).

FAMILY: RHIZOPHORACEAE

43. *Carallia brachiata* (Lour.) Merr., Philipp. J. Sci. 15: 249 (1919). *Carallia lucida* Roxb. (1811). Local name: *Keubong*. An evergreen tree in moist shady areas. *Flowering & fruiting*: January-May. *Use*: Wood is used for making furniture. *Representative specimen*: Moulvibazar: Lawachara National Park; 23.9.2011, S.N. Uddin, N4848A (DACB).

FAMILY: ALANGIACEAE

44. *Alangium chinense* (Lour.) Harms, Ber. Deutsch. Bot. Ges. 15: 24 (1897). *Stylidium chinense* Lour. (1790). Local name: *Marleza gachh*. A small tree in plain lands and hill forests. *Flowering & fruiting*: April-October. *Use*: Leaves are used as fodder. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3592 (DACB).

FAMILY: OLACACEAE

45. *Olax acuminata* Wall. ex Benth., Proc. Linn. Soc. Lond. 1: 89 (1840). Local name: *Olamina*. A small tree in edge of scrub jungles. *Flowering & fruiting*: Throughout the year. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3278 (DACB).

FAMILY: CELASTRACEAE

46. *Bhesa robusta* (Roxb.) Ding Hou, Blumea, Suppl. 4: 152 (1958). *Kurrimia robusta* (Roxb.) Kurz (1870). Local name: *Besa*. A large tree in primary lowland forests and sometimes periodically inundated forests. *Flowering & fruiting*: September-April. *Use*: Timber is used for

making furniture. *Representative specimen*: Moulvibazar: Lawachara National Park; 4.2.2009, S.N. Uddin, N3391 (DACB).

FAMILY: AQUIFOLIACEAE

47. *Ilex glomerata* King, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 64(2): 135 (1895). An evergreen tree in evergreen broad-leaved forests. *Flowering & fruiting*: April-November. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N2956 (DACB).

48. *Ilex godajam* Colebr. *ex* Hook.f., Fl. Brit. India 1: 604 (1875). *Ilex capitellata* Pierre (1873). Local name: *Raktim*. A medium to large tree in hill slopes and hilltop. *Flowering & fruiting*: February-April. *Use*: Decoction of bark is used in diarrhea and as a diuretic. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3374 (DACB).

FAMILY: EUPHORBIACEAE

49. *Alchornea mollis* (Benth.) Müll.-Arg., Linnaea 34: 168 (1865). *Stipellaria mollis* Benth. (1854). A dioecious shrubs or small tree in primary and secondary forests. *Flowering & fruiting*: April-August. *Representative specimen*: Moulvibazar: Lawachara National Park; 24.6.2014, Bushra Khan, B3241 (DACB).

50. *Antidesma acidum* Retz., Observ. Bot. 5: 30 (1788). *Antidesma diandrum* (Roxb.) B.Heyne *ex* Roth (1821). Local name: *Multa*. A shrub in evergreen or mixed forests. *Flowering & fruiting*: Throughout the year. *Use*: Fruits are edible. *Representative specimen*: Moulvibazar: Lawachara National Park; 18.8.2009, S.N. Uddin, N3915 (DACB).

51. *Antidesma montanum* Blume, Bijdr. 1124 (1827). *Antidesma barbatum* C.Presl (1851). Local name: *Shialbuka*. A small or medium sized tree in primary and secondary evergreen forests, riparian and littoral forests, coastal forests, beaches, bamboo groves, village thickets and grassland. *Flowering & fruiting*: April-November. *Use*: Fruits are edible. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3598 (DACB).

52. *Aporosa wallichii* Hook.f., Fl. Brit. India 5: 350 (1887). *Lepidostachys roxburghii* Hook. (1887). Local name: *Kokra*. A large tree in evergreen forests. *Flowering & fruiting*: February-June. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3274 (DACB).

53. *Chaetocarpus castanocarpus* (Roxb.) Thwaites, Enum. Pl. Zeyl. 275 (1861). *Adelia castanocarpa* Roxb. (1832). Local name: *Dhala kakra*. A small to medium sized tree in deep forests. *Flowering & fruiting*: November-April. *Representative specimen*: Moulvibazar: Lawachara National Park; 4.2.2009, S.N. Uddin, N3388 (DACB).

54. *Glochidion lanceolarium* (Roxb.) Voigt, Hort. Suburb. Calcutt. 153 (1845). *Bradleya lanceolaria* Roxb. (1832). Local name: *Anguti*. A small to medium sized tree in forests. *Flowering & fruiting*: April-December. *Use*: Oil used to varnish. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3859 (DACB).

55. *Glochidion sphaerogynum* (Müll.Arg.) Kurz, Forest Fl. Burma 2: 346 (1877). *Phyllanthus sphaerogynus* Müll.Arg. (1865). Local name: *Kaimula*. A tree in evergreen or mixed deciduous forests. *Flowering & fruiting*: February-June. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3860 (DACB).

56. *Glochidion zeylanicum* (Gaertn.) A.Juss., Euphorb. Gen. 107 (1824). *Bradleia zeylanica* Gaertn. (1791). Local name: *Siloni kachua*. A small tree in exposed open slopes, forest borders, wet and dry savannas. *Flowering & fruiting*: June-November. *Use*: Root is used for curing cough and pneumonia. *Representative specimen*: Moulvibazar: Lawachara National Park; 10.11.2009, S.N. Uddin, N4046 (DACB).

57. *Mallotus tetracoccus* (Roxb.) Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42: 245 (1873). *Rottlera tetracocca* Roxb. (1832). Local name: *Kumaribura*. A small tree in evergreen and secondary forests. *Flowering & fruiting*: Throughout the year. *Use*: Wood is used as firewood. *Representative specimen*: Moulvibazar: Lawachara National Park; 18.8.2009, S.N. Uddin, N3918 (DACB).

FAMILY: VITACEAE

58. *Parthenocissus semicordata* (Wall.) Planch., Monogr. Phan. 5: 451 (1887). *Parthenocissus himalayana* (Royle) Planch. (1887). Local name: *Himlata*. A climbing shrub in hill slopes over bushes. *Flowering & fruiting*: January-April. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3616 (DACB).

FAMILY: STAPHYLEACEAE

59. *Turpinia pomifera* (Roxb.) DC., Prodr. 2: 3 (1825). *Dalrympelea pomifera* Roxb. (1820). Local name: *Bhola*. A small to medium sized tree in plain land forests. *Flowering & fruiting*: March-October. *Use*: Leaves are used as fodder. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3631 (DACB).

FAMILY: SAPINDACEAE

60. *Mischocarpus pentapetalus* (Roxb.) Radlk., Sapind. Holl.-Ind.: 43 (1879). *Schleichera pentapetala* Roxb. (1832). Local name: *Miskaphal*. A shrub or medium sized tree in evergreen forests. *Flowering & fruiting*: Throughout the year. *Use*: Used for timber. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3609 (DACB).

FAMILY: MELIACEAE

61. *Chisocheton dysoxylifolius* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40(2): 49 (1871). An evergreen tree in forests. *Flowering & fruiting*: March-July. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3372 (DACB).

62. *Munronia pinnata* (Wall.) W.Theob., Burmah ed. 3, 2: 581 (1883). *Turraea pinnata* Wall. (1831). A shrub in evergreen forests as undergrowth, as well as the edge of the forests. *Use*: Used in treatment of fever and dysentery. *Flowering & fruiting*: March-June. *Representative specimen*: Moulvibazar: Lawachara National Park; 8.3.2011, S.N. Uddin, N4471 (DACB).

FAMILY: RUTACEAE

63. *Acronychia pedunculata* (L.) Miq., Fl. Ned. Ind., Eerste Bijv. 532 (1861). *Clausena simplicifolia* Dalzell (1851). Local name: *Bon jamir*. A small tree in primary and secondary rain forests and coastal scrubs. *Flowering & fruiting*: June-December. *Use*: Aromatic oil extracted from leaves used for stimulating baths. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3855 (DACB).

64. *Citrus limon* (L.) Osbeck, Reise Ostindien 250 (1765). *Citrus medica* var. *limon* L. (1753). Local name: *Gora lebu*. A tree in gardens. *Flowering & fruiting*: March-November. *Use*: Fruits

are edible. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3323 (DACB).

65. *Clausena anisata* (Willd.) Hook.f. *ex* Benth., Niger Fl. 256 (1849). *Clausena suffruticosa* (Roxb.) Wight & Arn. (1834). Local name: *Kalomaricha*. An undershrub in rain forests. *Flowering & fruiting*: March-June. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3654 (DACB).

FAMILY: ARALIACEAE

66. *Aralia foliolosa* Seem. *ex* C.B. Clarke, Fl. Brit. India 2: 723 (1879). *Aralia lantsangensis* G.Hoo (1965). Local name: *Arali*. A small tree in marshy places of primary forests. *Flowering & fruiting*: January-December. *Representative specimen*: Moulvibazar: Lawachara National Park; 18.8.2009, S.N. Uddin, N3907 (DACB).

FAMILY: GENTIANACEAE

67. *Canscora andrographioides* Griff. *ex* C.B. Clarke, J. Linn. Soc., Bot. 14: 431 (1875). *Canscora melastomacea* Hand.-Mazz. (1932). Local name: *Andakuni*. Annual herb in cultivated land, valleys and forests. *Flowering & fruiting*: September-October. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3322 (DACB).

FAMILY: APOCYNACEAE

68. *Tabernaemontana divaricata* (L.) R.Br. *ex* Roem. & Schult., Syst. Veg. 4: 427 (1819). *Nerium divaricatum* L. (1753). Local name: *Togor*. A slender, bushy shrub in gardens as well as hilly areas. *Flowering & fruiting*: May-January. *Use*: Root is used for biliousness, epilepsy and paralysis. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3638 (DACB).

FAMILY: VERBENACEAE

69. *Clerodendrum laevifolium* Blume, Bijdr. 808 (1826). *Clerodendrum wallichii* Merr. (1952). Local name: *Tara tabah bhat*. A shrub in moist and shady places. *Flowering & fruiting*: May-November. *Use*: Ornamental in gardens. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3639 (DACB).

70. *Vitex pinnata* L., Sp. Pl. 638 (1753). *Vitex arborea* Roxb. (1832). Local name: *Awal*. A large tree in evergreen and mixed forests. *Flowering & fruiting*: July-October. *Use*: Wood is used for different purposes. *Representative specimen*: Moulvibazar: Lawachara National Park; 19.8.2009, S.N. Uddin, N3953 (DACB).

FAMILY: LAMIACEAE

71. *Achyrosperrum wallichianum* (Benth.) Benth. *ex* Hook.f., Fl. Brit. India 4: 673 (1885). *Teucrium wallichianum* Benth. (1830). Local name: *Rosman*. A herb or undershrub in rain forests. *Flowering & fruiting*: September-December. *Representative specimen*: Moulvibazar: Lawachara National Park; 19.8.2009, S.N. Uddin, N3953A (DACB).

72. *Gomphostemma melissifolium* Wall. *ex* Benth., Pl. Asiat. Rar. 2: 12 (1830). *Prasium melissifolium* (Wall. *ex* Benth.) Roxb. (1832). Local name: *Milimala*. A herb in open places on forests. *Flowering & fruiting*: September-April. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3873 (DACB).

FAMILY: GESNERIACEAE

73. *Rhynchotechum hookeri* C.B. Clarke. A shrub in forests along with streams. *Flowering & fruiting*: September-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3297 (DACB).

FAMILY: ACANTHACEAE

74. *Acanthus leucostachyus* Wall. *ex* Nees, Pl. Asiat. Rar. 3: 98 (1832). Local name: *Kastacha*. A herb in hilly forests. *Flowering & fruiting*: February-September. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3373 (DACB).

75. *Dicliptera chinensis* (L.) Juss., Ann. Mus. Hist. Nat. 9: 268 (1807). *Justicia chinensis* L. (1753). A herb in streamside and trailside. *Flowering & fruiting*: September-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3275A (DACB).

76. *Phlogacanthus wallichii* C.B. Clarke, Fl. Brit. India 4: 511 (1884). *Loxanthus gomezii* Nees (1832). A shrub in forests. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3275 (DACB).

77. *Staurogyne zeylanica* Kuntze, Revis. Gen. Pl. 2: 497 (1891). *Ebermaiera zeylanica* Nees (1847). Local name: *Cylongyne*. A herb in hilly areas. *Flowering & fruiting*: December-March. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3373 (DACB).

FAMILY: CAMPANULACEAE

78. *Lobelia zeylanica* L., Sp. Pl. 932 (1753). *Lobelia hirta* L. (1753). Local name: *Cylon lobel*. A herb in open or shady moist soils, riverbanks, edges of rice fields and hill slopes. *Flowering & fruiting*: Throughout the year. *Use*: Leaves are edible. *Representative specimen*: Moulvibazar: Lawachara National Park; 14.12.2010, S.N. Uddin, N4395 (DACB).

FAMILY: RUBIACEAE

79. *Ceriscoides turgida* (Roxb.) Tirveng., Bull. Mus. Natl. Hist. Nat., Sér. 3, Bot. 35: 15 (1978). *Gardenia turgida* Roxb. (1824). Local name: *Motaboilam*. A tree in forest areas. *Flowering & fruiting*: March-July. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3689 (DACB).

80. *Chassalia chartacea* Craib, Bull. Misc. Inform. Kew 1931: 279 (1931). A shrub in lowland forests. *Flowering & fruiting*: April-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3580 (DACB).

81. *Hedyotis vestita* R.Br. *ex* G. Don, Gen. Hist. 3: 526 (1834). *Spermacoce costata* Roxb. (1814). A herb in open jungles, bamboo forests, shaded as well as open places along roadsides. *Flowering & fruiting*: Throughout the year. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.11.2009, S.N. Uddin, N4091 (DACB).

82. *Mycetia longifolia* (Wall.) Kuntze, Revis. Gen. Pl. 1: 289 (1891). *Rondeletia longifolia* Wall. (1824). Local name: *Mycetelon*. A shrub in moist primary forests, especially along streams at lower elevations. *Flowering & fruiting*: June-March. *Representative specimen*: Moulvibazar: Lawachara National Park; 4.2.2009, S.N. Uddin, N3381 (DACB).

- 83. *Mycetia sinensis*** (Hemsl.) Craib, Bull. Misc. Inform. Kew 1914: 29 (1914). *Mycetia sinensis* (Hemsl.) Craib (1932). A shrub in streambanks or roadsides in dense forests. *Flowering & fruiting*: July-November. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3652 (DACB).
- 84. *Myrioneuron nutans*** Wall. *ex* Hook.f., Fl. Brit. India 3: 96 (1880). Local name: *Natanuran*. A shrub in primary forests. *Flowering & fruiting*: September-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3582 (DACB).
- 85. *Psychotria adenophylla*** Wall., Fl. Ind. 2: 166 (1824). *Psychotria siamensis* Ridl. (1911). Local name: *Baro bhuta*. An evergreen large shrub in evergreen forests. *Flowering & fruiting*: May-November. *Use*: Root extract used for the treatment of tetanus by *Chakma* tribe. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3901 (DACB).
- 86. *Psychotria calocarpa*** Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 41(2): 315 (1872). *Psychotria asiatica* Wall. (1824). Local name: *Lal bhuta*. A shrub in hill slopes and valleys. *Flowering & fruiting*: April-November. *Use*: Used in hysteria by *Tanchangya* tribe. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.5.2009, S.N. Uddin, N3582 (DACB).
- 87. *Spermacoce alata*** Aubl., Hist. Pl. Guiane 60 (1775). *Borreria alata* (Aubl.) DC. (1830). A herb in wastelands. *Flowering & fruiting*: May-November. *Representative specimen*: Moulvibazar: Lawachara National Park; 9.11.2009, S.N. Uddin, N3984 (DACB).

FAMILY: ASTERACEAE

- 88. *Elephantopus scaber*** L., Sp. Pl.: 814 (1753) 814 (1753). *Elephantopus carolinensis* G.Mey. (1818). Local name: *Shamdalan*. A perennial herb in sandy and hard soils, open places, roadsides, sandy hillocks, shade of forests, slopes and clearings. *Flowering & fruiting*: November-March. *Use*: The plant is used as astringent. *Representative specimen*: Moulvibazar: Lawachara National Park; 10.11.2009, S.N. Uddin, N4061 (DACB).

CLASS: LILIOPSIDA (MONOCOTS)

FAMILY: ARECACEAE

- 89. *Calamus tenuis*** Roxb., Fl. Ind. ed. 1832 3: 780 (1832). *Calamus amarus* Lour. (1790). Local name: *Rattan*. Climber in village groves, roadsides and backwaters, marshy places and the edge of water bodies. *Flowering & fruiting*: July-April. *Use*: The cane is of high quality for handicrafts and accepted in trade. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3304 (DACB).

FAMILY: COMMELINACEAE

- 90. *Amischotolype mollissima*** (Blume) Hassk., Flora 46: 391 (1863). *Campelia mollissima* Blume (1827). Local name: *Molisima*. An erect herb in riverbanks and hill slopes. *Flowering & fruiting*: December-January. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3646 (DACB).
- 91. *Commelina paludosa*** Blume, Enum. Pl. Javae 1: 2 (1827). *Commelina donii* A.Dietr. (1833). Local name: *Jata kanchira*. An erect herb in deep forests, moist places on roadsides and on banks of streams. *Flowering & fruiting*: October-March. *Use*: Used as pot herb in Southeast Asia.

Representative specimen: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3883 (DACB).

92. *Pollia secundiflora* (Blume) Bakh.f., Bekn. Fl. Java 211: 10 (1949). *Commelina secundiflora* Blume (1827). Local name: *Kandipoli*. A large herb in jungle ravines. *Flowering & fruiting*: August-September. *Representative specimen*: Moulvibazar: Lawachara National Park; 12.5.2009, S.N. Uddin, N3657 (DACB).

FAMILY: CYPERACEAE

93. *Carex indica* L., Mant. Pl. 2: 574 (1771). *Carex fuirenioides* Gaudich. (1829). Local name: *Deshilick*. A perennial herb in moist places in the forests. *Flowering & fruiting*: July-December. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3311 (DACB).

94. *Hypolytrum nemorum* (Vahl) Spreng., Syst. Veg. 1: 233 (1825). *Schoenus nemorum* Vahl (1794). Local name: *Trumram ghasi*. A perennial herb in swampy places in evergreen forests and clearings. *Flowering & fruiting*: July-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3309 (DACB).

FAMILY: POACEAE

95. *Oplismenus compositus* (L.) P.Beauv., Ess. Agrostogr. 54 (1812). *Panicum compositum* L. (1753). Local name: *Gohur*. A annual or perennial herb in undergrowth in scrub jungles, forest margins. *Flowering & fruiting*: August-September. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3906 (DACB).

FAMILY: ZINGIBERACEAE

96. *Etingera linguiformis* (Roxb.) R.M.Sm., Notes Roy. Bot. Gard. Edinburgh 43: 246 (1986). Local name: *Tara*. A tall rhizomatous herb in shady hill slopes, forest floors and on the bank of streams. *Flowering & fruiting*: June-October. *Use*: Used to relieve throat pain caused by cold. *Representative specimen*: Moulvibazar: Lawachara National Park; 17.8.2009, S.N. Uddin, N3849 (DACB).

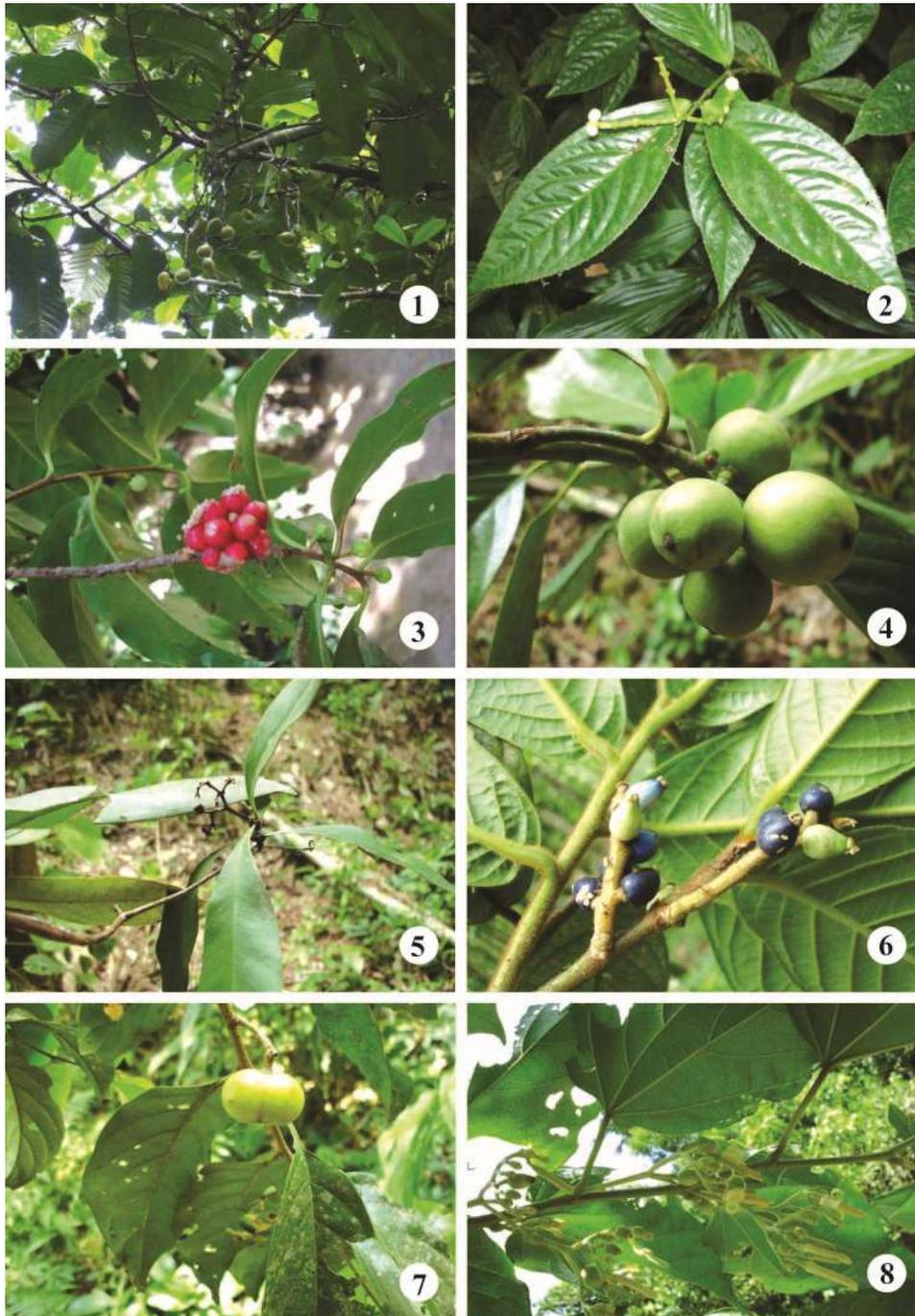
97. *Hedychium coronarium* J.Koenig, Observ. Bot. 3: 73 (1783). *Hedychium chrysoleucum* Hook. (1850). Local name: *Dolon chapa*. A rhizomatous herb in partial shady places. *Flowering & fruiting*: August-January. *Use*: The rhizome is stomachic, carminative, tonic and stimulant. *Representative specimen*: Moulvibazar: Lawachara National Park; 11.8.2009, S.N. Uddin, N3864 (DACB).

FAMILY: MARANTACEAE

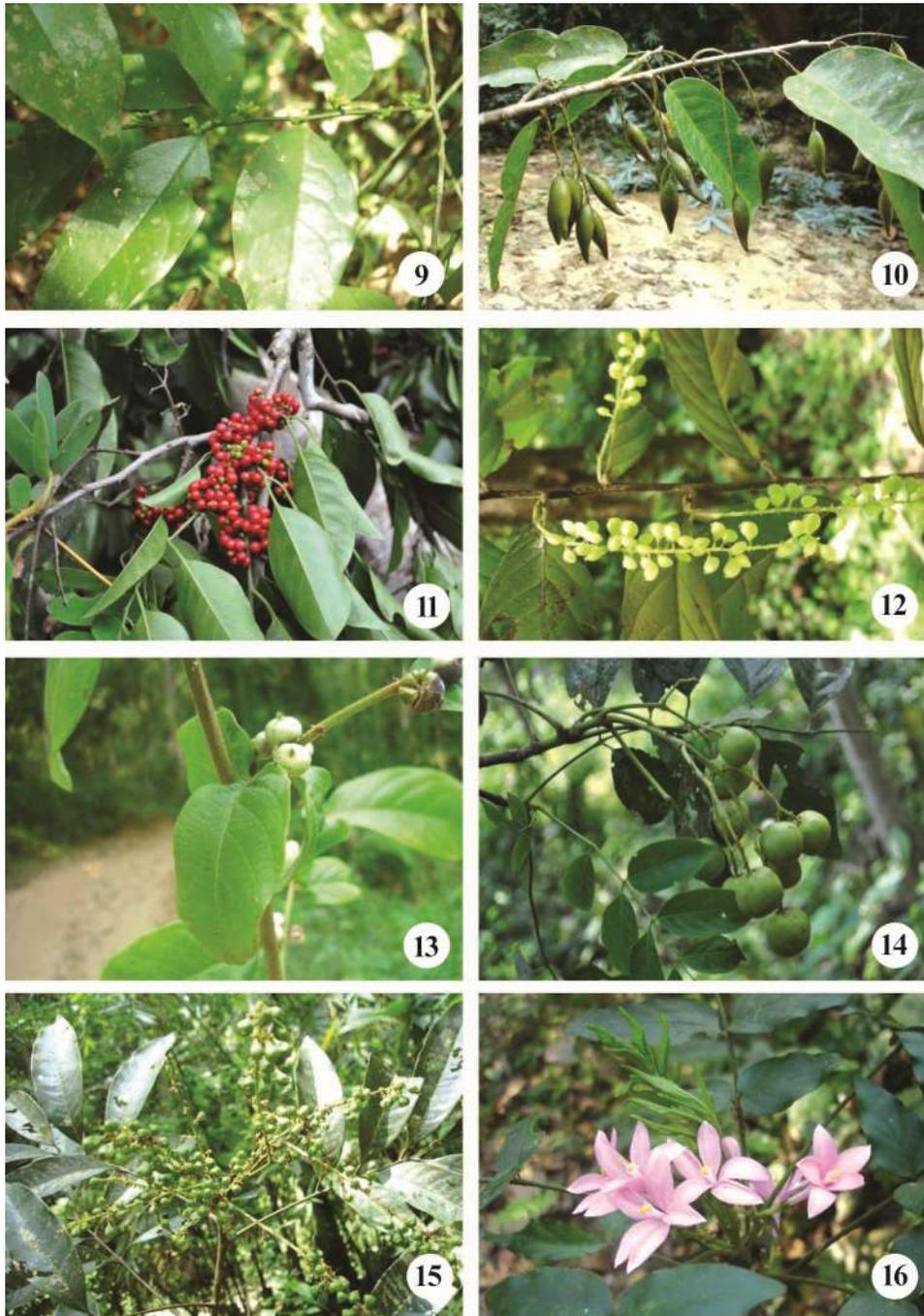
98. *Stachyphrynium placentarium* (Lour.) Clausager & Borchs., Kew Bull. 58: 672 (2003). *Phrynium placentarium* (Lour.) Merr. (1919). Local name: *Gaiyamram*. A perennial herb in shady wet places in forests. *Flowering & fruiting*: March-November. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3353 (DACB).

FAMILY: HAEMODORACEAE

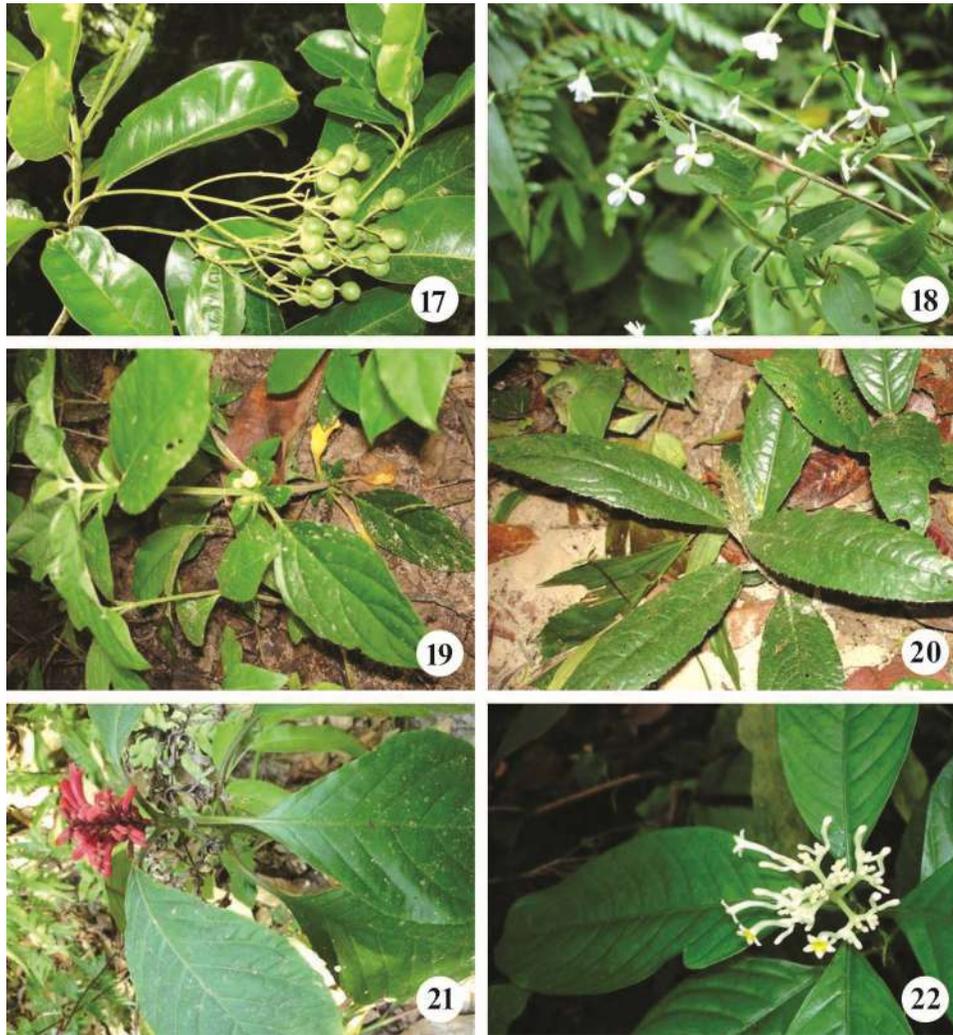
99. *Peliosanthes teta* (Andrews) Jessop *ex* Gandhi, Fl. Hassan Distr. 799 (1976). *Peliosanthes violacea* Wall. *ex* Baker (1879). Local name: *Napigach*. A herb in hilly forest areas. *Flowering & fruiting*: November-February. *Representative specimen*: Moulvibazar: Lawachara National Park; 2.2.2009, S.N. Uddin, N3273 (DACB).



Figs 1-8: 1. *Alseodaphne petiolaris* Hook.f., 2. *Chloranthus elatior* Link, 3. *Kadsura heteroclita* (Roxb.) Craib, 4. *Garcinia anomala* Planch. & Triana, 5. *Ancistrocladus tectorius* (Lour.) Merr., 6. *Symplocos macrophylla* Wall., 7. *Prunus ceylanica* (Wight) Miq., 8. *Alangium chinense* (Lour.) Harms.



Figs 9-16: 9. *Olex acuminata* Wall., 10. *Bhesa robusta* (Roxb.) Ding Hou, 11. *Ilex glomerata* King, 12. *Antidesma montanum* Blume, 13. *Glochidion sphaerogynum* (Müll.Arg.) Kurz, 14. *Turpinia pomifera* (Roxb.) DC., 15. *Mischocarpus pentapetalus* (Roxb.) Radlk., 16. *Munronia pinnata* (Wall.) W.Theob.



Figs 17-22: 17. *Acronychia pedunculata* (L.) Miq., 18. *Canscora andrographioides* Griff., 19. *Gomphostemma melissifolium* Wall., 20. *Acanthus leucostachyus* Wall. ex Nees, 21. *Phlogacanthus wallichii* C.B.Clarke, 22. *Chassalia chartacea* Craib.

FAMILY: LILIACEAE

100. *Crinum asiaticum* L., Sp. Pl. 292 (1753). *Crinum toxicarium* Roxb. (1814). Local name: *Bara kanur*. A perennial herb in coastal areas as well as cultivated in gardens. *Flowering & fruiting*: March-August. *Use*: Used as ornamental plant. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3682 (DACB).

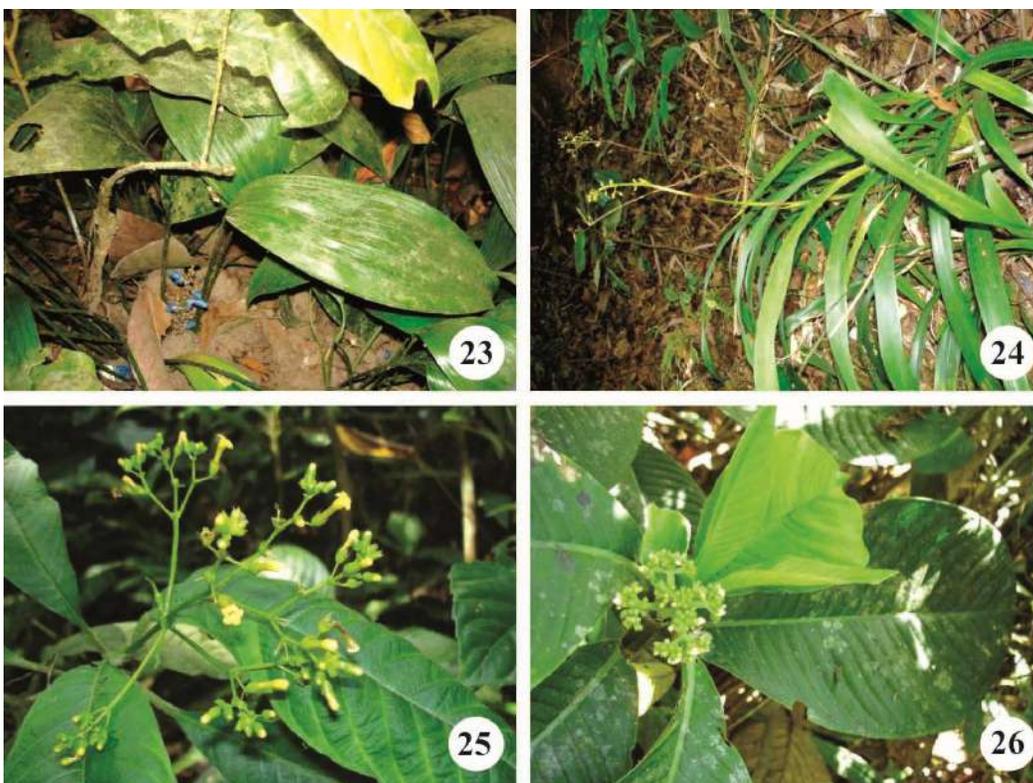
101. *Dianella ensifolia* (L.) DC., Liliac. t. 1 (1802). *Cordyline ensifolia* (L.) Planch. (1850). Local name: *Dainel*. Rhizomatous herb in forests and grassy slopes. *Flowering & fruiting*: September-October. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3367 (DACB).

FAMILY: SMILACACEAE

102. *Smilax roxburghiana* Wall. ex A.DC., Rapp. Pl. Rar. Genève 7: 314 (1836). *Smilax laurifolia* Roxb. (1832). Local name: *Kumarilata*. A climber in forests, thickets, damp slopes and valleys. *Flowering & fruiting*: March-October. *Representative specimen*: Moulvibazar: Lawachara National Park; 13.5.2009, S.N. Uddin, N3685 (DACB).

FAMILY: ORCHIDACEAE

103. *Erythrodes humilis* (Blume) J.J.Sm., Bull. Dép. Agric. Indes Néerl. 13: 11 (1907). *Physurus humilis* Blume (1859). A terrestrial herb in evergreen forests. *Flowering & fruiting*: January-March. *Use*: Having horticultural value. *Representative specimen*: Moulvibazar: Lawachara National Park; 3.2.2009, S.N. Uddin, N3340 (DACB).



Figs 23-26: 23. *Mycetia sinensis* (Hemsl.) Craib, 24. *Myrioneuron nutans* Wall., 25. *Peliosanthes teta* (Andrews) Jessop, 26. *Dianella ensifolia* (L.) DC.

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