

**ANGIOSPERM FLORA OF THE KARNAFULI RIVER AND ITS SURROUNDING
AREAS UNDER RANGAMATI DISTRICT OF BANGLADESH.
II. MAGNOLIOPSIDA (DICOTELEDONS)**

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Abstract

A floristic study of the Karnafuli River and its surrounding areas under Rangamati district in Bangladesh has been made. A total of 449 plant species belonging to 316 genera under 89 families were recorded. Habit analysis shows that trees, shrubs, herbs and climbers were represented by 148, 100, 136 and 65 species, respectively. Euphorbiaceae with 22 genera and 35 species was the largest family. The tribal people of the area used about 140 medicinal plants for their primary health care. One plant species, thought to be extinct from the flora of Bangladesh, was being reported as rediscovery from this study areas, and this was: *Erycibe peguensis* (Clarke) Prain under Convolvulaceae. Nineteen (19) species categorized as threatened in Bangladesh were found to occur in this study areas. Updated nomenclature with full reference citation, habit and *Specimen examined* have been provided for each species. Well known synonym, local name(s), flowering and fruiting time, use(s), state of occurrence in the area have also been given in some cases.

Introduction

The under explored river bank areas of the Karnafuli River and its surrounding areas, represents tropical rain forest mainly of evergreen type of vegetation, are situated in Barkal, Rangamati sadar and Kaptai upazila under Rangamati district. Administratively, the areas are under the management of Rangamati South Forest Division. The study areas lie between 22° 26' and 22° 38' North and 92° 08' and 92° 17' East. Geologically, the area belongs to the Pliocene and Miocene epoch of the tertiary period. The configuration of the ground is very irregularly rugged and consists of a series of ridges and valleys running more or less from north to south. The level of valley bottoms ranges from 30 to 90 meters above the sea level and maximum elevation is about 500 m. Soil is mainly yellowish-brown to reddish-brown loams which grade into broken shale or sandstone at a various depth (between 30-120 cm). The valley soil is mainly acid loams and clays subject to seasonal flooding. The humus composition is high but its degree of accumulation varies from place to place depending on topography. Usually more deposition is found on flat land and on the bed of channel (chhara) and less on the undulating hills. The climate of the study area is tropical warm-humid and which is greatly influenced by the monsoon. The average temperature ranges from 19.9 °C to 28.3 °C and the average annual rain fall is about 2,900 mm. About 90% of the total rainfall occurs in the summer. During the winter, the perennial springs (chhara) and the river Karnafuli are the source of water supply in the reserve. However, with abundance of rainfall during the rainy season there is no dearth of water for vegetation during that period, which is incidentally the growing season for the plants.

Over the last few decades several attempts have been made on the floristic studies in Bangladesh, particularly in the forest, protected areas and Upazila basis by Khan and Afza (1968), Khan and Banu (1972), Khan and Hassan (1984), Uddin and Rahman (1999), Khan and Huq

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(2001), Uddin and Hassan (2004), Arefin *et al.* (2011), Khan *et al.* (1994), Rahman and Hassan (1995), Rahman and Uddin (1997), Uddin *et al.* (1998), Uddin and Hassan (2010), Rahman and Alam (2013), Rahman *et al.* (2013) and Rahman *et al.* (2015).

But, In Bangladesh, rivers and there surrounding areas wise angiosperm flora study attempt has not been done yet. However, no published floristic account has been prepared on the Karnafuli river and its surrounding areas so far. Though the study area is very rich in species diversity but a comprehensive floristic study of the area is still lacking. So, the present study has been undertaken. The main objectives of the present study are to explore, identify, findout the use(s), findout the local names, state of occurrence and document of the angiosperms (Magnoliopsida). This floristic survey will generate baseline information for any conservation and management activity of the area.

Materials and Methods

The present work deals with Magnoliopsida (Dicotyledons) species of the Karnafuli river and its surrounding areas and the survey has been made using area maps and a number of repeated field trips. Field trips were made from “Thekamukh to Kaptai hydropower station dam” from December 2015 to May 2016. In some selected areas including Thekamukh (Baraharina), Jaingarchhara, Chhotoharina, Tangchangachhari, Bhushanchhara, Dhandachhara, Barkal reserve forest, Barkal sadar union, Beganachhara, Aimachhara, Shubolong, Baghaichhari, Nabangachhari, Magban, Balukhali, Badalchhari, Dulichari, Kubbanchhari, Parbatchhari and Kaptai lake upto dam. Plant specimens have been collected both in the flowering and non flowering stage from the study area by repeated field trips. Listing of known species and collection have been made with field data for identification and preservation as voucher specimen. Photographs were taken for almost all the species. Collected plant specimens were critically studied, examined and identified in the Bangladesh National Herbarium (BNH) laboratory. Identification was confirmed by experts, by comparing with herbarium specimens deposited both at Bangladesh National Herbarium (DACB), Dhaka University Salar Khan Herbarium (DUSH), Herbarium of Chittagong University (HCU) and Herbarium of Bangladesh Forest Research Institute (HBFRI) and by consulting standard floras and literatures *viz.*, Hooker (1872-1897), Prain (1903), Khan and Rahman (1989-2002), Khan (1972-1987), Rahman (2003), Rahman and Khanam (2003), Khanam and Ara (2007-2008), Ara and Khan (2009-2015), Ahmed *et al.* (2008a and 2008b, 2009a, 2009b and 2009c), Heining (1925), Raizada (1941), Sinclair (1956), Dassanayake (1980-1985) and clear type images available on the websites of different international herbaria.

The current nomenclatural information of each species was incorporated as per ICBN by consulting with Index Kewensis, recent taxonomic publications *viz.*, Nasir and Ali (1980-2005), Flora of North America Editorial Committee (1993-2014), Wu *et al.* (1995-2013), Watson *et al.* (2011), Huq (1986), Pasha and Uddin (2013), Update plant name collected from www. The plant list and the nomenclatural databases of IPNI (2008) and TROPICOS (2010).

Local name/s, Ethnobotanical information of some medicinal valuable plant species, Use/s of many plant species have been collected from local people during field survey and by consulting with literature, *viz.* Huq (1986), Pasha and Uddin (2013) and Ahmed *et al.* (2008a and 2008b, 2009a, 2009b and 2009c). State of occurrence of these collected plant species incorporated here according to field survey data. The identified families are arranged according to Cronquist’s (1981) system of plant classification and the genera and species under each family are arranged in an alphabetical order. The collected specimens have been preserved at the Bangladesh National Herbarium (DACB). Valid name with original citation of each species with only well-known synonym in few cases, local name (if available), some important photographs, use/s (if available),

a short notes, state of occurrence and only one specimen examined number collected from the study areas has been provided.

Results

The present angiosperm diversity inventory has identified following Magnoliopsida (Dicotyledons) from the Karnafuli river and its surrounding areas.

1. Magnoliaceae Juss. (1789)

Magnolia champaca (L.) Baill. *ex* Pierre, Fl. Forest. Cochinch. 1880. *Michelia champaca* L., Sp. Pl. 536. 1753. *Habit*: Tree. *Local name*: Champa. *Fl. & Fr.*: March-July. *Use*: Fire wood. *State of occurrence*: Planted. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1759 (DACB).

2. Annonaceae Juss. (1789)

Annona reticulata L., Sp. Pl. 537. 1753. *Annona excelsa* Kunth, Nov. Gen. Sp. 5: 59. 1821. *Habit*: Tree. *Local name*: Nona-ata. *Fl. & Fr.*: October-January. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Bagaichari, 13 i 2016, K.K. Islam, KKI2161 (DACB).

Dasymaschalon longiflorum Finet & Gagnep., Bull. Soc. Bot. France 53(4): 143. 1906. *Desmos longiflorus* (Roxb.) Saff., Bull. Torrey Bot. Club 39: 507. 191). *Habit*: Shrub. *Local name*: Kulla. *Fl. & Fr.*: October-April. *State of occurrence*: Rare. *Specimens examined*: East hill (Barkal), 10 i 2016, K.K. Islam, KKI2078 (DACB).

Desmos chinensis Lour., Fl. Cochinch. 352. 1790. *Unona discolor* Vahl, Symb. Bot. 2: 63. 1791. *Habit*: Shrub. *Fl. & Fr.*: April-December. *State of occurrence*: Common. *Specimens examined*: Suvolong spring chara, 12 i 2016, K.K. Islam, KKI2131(DACB).

Polyalthia longifolia (Sonn.) Thwaites, Enum. Pl. Zeyl.: 398. 1864. *Uvaria longifolia* Voy. Indes Orient. 3: 260. 1782. *Habit*: Tree. *Local name*: Debbaru. *Fl. & Fr.*: March-October. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Barkal sadar, 14 v 2016, P. Islam, I102 (DACB).

Polyalthia simiarum (Buch.-Ham. *ex* Hook. f. & Thomson) Benth., Gen. Pl. 1(1): 25. 1862. *Guatteria simiarum* Hook.f. & Thomson. 1872. *Habit*: Tree. *Local name*: Arjan. *Fl. & Fr.*: April-September. *Use*: Fire wood. *State of occurrence*: Rare. *Specimens examined*: Sitahahar (Kaptai), 22 i 2016, K.K. Islam, KKI2294 (DACB).

3. Lauraceae Juss. (1789)

Cinnamomum bejolghota (Buch.-Ham.) Sweet, Hort. Brit. 344. 1826. *Laurus bejolghota* Buch.-Ham., Trans. Linn. Soc. London 13(2): 559. 1822. *Habit*: Tree. *Local name*: Ram Tejpata, Kinton. *Fl. & Fr.*: January-July. *Use*: Flavour. *State of occurrence*: Planted. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1820 (DACB).

Litsea monopetala (Lour.) C.B. Rob., Syn. Pl. 2: 4. 1807. *Litsea polyantha* Juss., Ann. Mus. Natl. Hist. Nat. 6:211. 1805. *Habit*: Tree. *Local name*: Huoria. *Fl. & Fr.*: March-April. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 18 xii 2015, N. Rahman, NR13 (DACB).

Litsea glutinosa (Lour.) C.B. Rob., Philipp. J. Sci., 6: 321. 1911. *Sebifera glutinosa* Lour., Fl. Cochinch. 638. 1790. *Habit*: Tree. *Local name*: Kharajura gachh. *Fl. & Fr.*: April-January. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1983 (DACB).

Neolitsea zeylanica (Nees & T. Nees) Merr., Philipp. J. Sci. 57. 1906. *Litsea zeylanica* Nees & T. Nees, Cinnam. Disp. 1: 58. 1823. *Habit*: Tree. *Fl. & fr.*: October-Decembr. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1792 (DACB).

(Pl. 1f)

Persea sp. *Habit:* Tree. *Fl. & fr.:* June-January. *State of occurrence:* Rare. *Specimens examined:* Barkal sadar, 14 vii 2018, K.K. Islam, KKI3011 (DACB).

4. Piperaceae Giseke (1792)

Piper longum L. Sp. Pl. 29. 1753. *Chavica longa* H. Karst., III. Repet. Pharm.-Med. Bot. 478. 1886. *Habit:* Herb. *Local name:* Pipul pata. *Fl. & fr.:* June-September. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 6 xii 2015, K.K. Islam, KKI1869 (DACB).

Piper betel L., Sp. Pl. 28. 1753. *Piperi betlum* (L.) St.-Lag., Ann. Soc. Bot. Lyon 7: 132. 1880. *Habit:* Climber. *Local name:* Pan, Tambuli. *Fl. & fr.:* December-May. *Use:* Medicine. *State of occurrence:* Cultivated. *Specimens examined:* Barkal, 7 xii 2015, K.K. Islam, KKI1890 (DACB).

Piper retrofractum Vahl, Enum. Pl. 1: 314 (1804). *Piper chaba* Hunter, Asiat. Res. 9: 391. 1809. *Habit:* Shrub. *Local name:* Choi, Chab. *Fl. & Fr.:* Throughout the year. *Use:* Spice. *State of occurrence:* Rare. *Specimens examined:* East hill (Barkal), 10 i 2016, K.K. Islam, KKI2069 (DACB). (Pl. 9a)

Peperomia pellucida (L.) Kunth, Nov. Gen. Sp. 1: 64. 1816. *Piper pellucidum* L., Sp. Pl. 30. 1753. *Habit:* Herb. *Local name:* Bon pan. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* SSD (Kaptai), 19 i 2016, K.K. Islam, KKI2271 (DACB).

5. Aristolochiaceae Juss. (1789)

Aristolochia tagala Cham., Linnaea 7: 207. 1832. *Aristolochia acuminata* Lam., Encycl. 1: 254. 1783. *Habit:* Climber. *Fl. & Fr.:* April-January. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1762 (DACB).

6. Menispermaceae Juss. (1789)

Cyclea barbata Miers, Ann. Mag. Nat. Hist. 18: 19. 1866. *Cyclea peltata* Sensus Miq. 1858) *Habit:* Climber. *Local name:* Patalpur. *Fl. & Fr.:* March-November. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1853 (DACB).

Diploclisia glaucescens (Blume) Diels in Engler, Pflanzenr. 46 (IV.94): 225. 1910. *Cocculus glaucescens* Blume, Bijdr. 25. 1825. *Habit:* Climber. *Fl. & Fr.:* April-August. *Use:* Medicine. *State of occurrence:* Threatened. *Specimens examined:* Barkal sadar, 14 vii 2016, M. Rahman, R110 (DACB). (Pl. 12c)

Stephania japonica (Thunb.) Miers, Ann. Mag. Nat. Hist. 18: 14. 1866. *Menispermum japonicum* Thunb., Syst. Veg. 892. 1784. *Habit:* Climber. *Local name:* Nimukha. *Fl. & Fr.:* Throughout the year. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal sadar, 25 xii 2015, N. Rahman, NR101 (DACB).

Tinospora crispa (L.) Hook.f. & Thomson, Fl. Indica 1: 183. 1855. *Menispermum crispum* L. Sp. Pl. 2:1468. 1763. *Habit:* Climber. *Local name:* Gulancha; *Fl. & Fr.:* January-June. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Dhandachara, 4 i 2016, K.K. Islam, KKI1983 (DACB).

7. Ulmaceae Mirbel (1815)

Trema orientalis (L.) Blume, Ann. Mus. Bot. Lugd.-Bat. 2: 62. 1856. *Sponia orientalis* (L.) Decene. 1834. *Habit:* Tree. *Local name:* Jinal. *Fl. & Fr.:* January-June. *Use:* Fire wood. *State of occurrence:* Common. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1856 (DACB).

8. Moraceae Trinius (1835)

Artocarpus heterophyllus Lam., Encycl. 3: 29. 1789. *Artocarpus philippensis* Lam. Encycl. 3: 210. 1789. *Habit*: Tree. *Local name*: Kathal. *Fl. & Fr.*: February-July. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: National park (Kaptai), 20 i 2016, K.K. Islam, KKI2291 (DACB).

Artocarpus lacucha Buch.-Ham., Mem. Wern. Nat. Hist. Soc. 5: 333. 1826. *Habit*: Tree. *Local name*: Dewa, Dewphal, Bonkanthal. *Fl. & fr.*: April-June. *Use*: Timber, Fruit edible. *State of occurrence*: Common. *Specimens examined*: SSD (Kaptai), 19 i 2016, K.K. Islam, KKI2280 (DACB).

Artocarpus chama Buch.-Ham., Mem. Wern. Nat. Hist. Soc. 5: 331. 1826. *Artocarpus chaplasha* Roxb., Fl. Indica 3: 525. 1832. *Habit*: Tree. *Local name*: Chambal, Chapalish, Kathalicham. *Fl. & fr.*: April-August. *Use*: Fruit edible. *State of occurrence*: Common. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2229 (DACB).

Ficus auriculata Lour., Fl. Cochinch. 666. 1790. *Ficus roxburghii* Steud., Nomencl. Bot. 1: 637. 1840. *Habit*: Tree. *Fl. & Fr.*: Throughout the year. *Use*: Fruit edible, Timber. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1760 (DACB).

Ficus benghalensis L., Sp. Pl. 1059. 1753. *Ficus procera* Salisb., Prodr. Stirp. Chap. Allerton 16 .1796. *Habit*: Tree. *Local name*: Bot, Botgachh. *Fl. & Fr.*: May-August. *Use*: Timber. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1818 (DACB).

Ficus benjamina L., Mant. Pl. 129. 1767. *Ficus comosa* Roxb., Pl. Coromandel 2: 14. 1799. *Habit*: Tree. *Fl. & Fr.*: July-November. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: National park (Kaptai), 20 i 2016, K.K. Islam, KKI2301 (DACB).

Ficus hederacea Roxb., Fl. Indica 3: 538. 1832. *Ficus fruticosa* Roxb., Fl. Indica 3: 533. 1832. *Habit*: Tree. *Fl. & Fr.*: January-August. *Use*: Fire wood. *State of occurrence*: Rare. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2133 (DACB).

Ficus heterophylla L.f., Suppl. Pl. 442. 1782. *Ficus scabrella* Roxb. Fl. Indica 3: 532. 1832. *Habit*: Shrub. *Local name*: Ghoti-sheora, Bhui-dumur, Gaori-sheora. *Fl. & Fr.*: November-February. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 7 xii 2015, K.K. Islam, KKI1892 (DACB).

Ficus hirta Vahl, Enum. Pl. 2: 201. 1805. *Ficus setosa* Blume, Bijdr. 477. 825. *Habit*: Shrub. *Local name*: Dangra, Khuskadumur. *Fl. & Fr.*: November-May. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 9 xii 2015, K.K. Islam, KKI1907 (DACB). (Pl. 8f)

Ficus hispida L. f., Suppl. Pl. 442. 1782. *Ficus daemonum* K.D. Koenig ex Vahl, Enum. Pl. 2: 198. 1805. *Habit*: Tree. *Local name*: Dumur. *Fl. & Fr.*: April-September. *Use*: Medicine, Vegetable. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 i 2016, K.K. Islam, KKI2010 (DACB).

Ficus ischnopoda Miq., Ann. Mus. Bot. Lugduno-Batavi. 3: 229. 1867. *Ficus pyriformis* auct. non Hook. f. & Arn.: Ridl. in Fl. Malay Penins. 3: 349. 1924. *Habit*: Shrub. *Fl. & Fr.*: May-August. *State of occurrence*: Rare. *Specimens examined*: Borkal sadar, 8 xii 2015; Sohail, S102 (DACB). (Pl. 3c)

Ficus microcarpa L.f., Suppl. Pl. 442. 1782. *Ficus aggregata* Vahl, Enum. Pl. 2: 191. 1805. *Habit*: Tree. *Local name*: Jir, Kamrup. *Fl. & Fr.*: September-April. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1999 (DACB).

Ficus nervosa B. Heyne ex Roth, Nov. Pl. Sp. 388. 1821. *Ficus undulata* Buch.-Ham., Trans. Linn. Soc. London 15: 133. 1827. *Habit*: Tree. *Local name*: Panidumur. *Fl. & Fr.*: October-April.

Use: Fire wood. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1766 (DACB).

Ficus racemosa L., Sp. Pl. 1060. 1753. *Ficus glomerata* Roxb., Pl. Coromandel 2: 13. 1799. *Habit:* Tree. *Local name:* Jagydumur. *Fl. & Fr.:* September-November. *Use:* Fruit edible, Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1827 (DACB).

Ficus semicordata Buch.-Ham. ex Sm., Cycl. 14: 71. 1810. *Covellia conglomerata* (Roxb.) Miq., London J. Bot. 7: 459. 1848. *Habit:* Tree. *Local name:* Sadusi, Sadimadi. *Fl. & Fr.:* June-December. *Use:* Firewood. *State of occurrence:* Common. *Specimens examined:* Barkal, 7 xii 2015, K.K. Islam, KKI1891 (DACB).

Ficus sp. *Habit:* Climber. *Local name:* Guli bot. *Fl. & Fr.:* January. *State of occurrence:* Rare. *Specimens examined:* Barkal sadar, 7 xii 2015; Sohail, S82 (DACB).

Streblus asper Lour., Fl. Cochinch. 1: 615. 1790. *Habit:* Tree. *Local name:* Seora, Harbi, Asshaora. *Fl. & Fr.:* February-June. *Use:* Firewood. *State of occurrence:* Common. *Specimens examined:* Barkal sadar, 25 xii 2015, N. Rahman, NR115 (DACB).

9. Urticaceae Juss. (1789)

Boehmeria glomerulifera Miq. in Zoll., Syst. Verz. Ind. Archip 1854. *Boehmeria malabarica* Wedd. 1856. *Habit:* Tree. *Local name:* Borthurthuri. *Fl. & Fr.:* January-March. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1806 (DACB).

Boehmeria macrophylla Hornem., Hort. Bot. Hafn. 2: 890. 1815. *Boehmeria humilis* Miq., Pl. Jungh. 33. 1851. *Habit:* Shrub. *Local name:* Ulichara. *Fl. & Fr.:* September-December. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1789 (DACB).

Dendrocnide sinuata (Blume) Chew, Gard. Bull. Singapore 21: 206. 1965. *Urtica sinuata* Blume, Bijdr. Fl. Ned. India 505. 1825. *Habit:* Shrub. *Local name:* Laua-Chutra, Bangaldandi. *Fl. & Fr.:* June-February. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1804 (DACB). (Pl. 5e)

Elatostema integrifolium (D. Don) Wedd., Prodr. 16(1): 179. 1869. *Procris integrifolia* D. Don, Prodr. Fl. Nepal. 61. 1825. *Habit:* Herb. *Fl. & Fr.:* March-May. *State of occurrence:* Rare. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1820 (DACB).

Elatostema parvum (Blume) Blume ex Miq., Syst. Verz. 102. 1855. *Procris parva* Blume, Bijdr. Fl. Ned. India. 10: 512. 1825. *Habit:* Herb. *Fl. & Fr.:* February-August. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1777 (DACB).

Oreocnide integrifolia (Gaudich.) Miq., Ann. Mus. Bot. Lugduno-Batavi 4: 306. 1869. *Villebrunea integrifolia* Gaudich., Voy. Bonite, Bot., Pl. 91. 1847. *Habit:* Tree. *Local name:* Horhuta. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Barkal, 6 xii 2015, K.K. Islam, KKI1887 (DACB).

Pellionia heteroloba Wedd., Arch. Mus. Hist. Nat. 9(1-2): 283. 1856- 1857. *Pellionia griffithiana* Wedd. Prodr. 16(1): 165. 1869. *Habit:* Herb. *Fl. & Fr.:* October-February. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1790 (DACB).

Pellionia heyneana Wedd., Arch. Mus. Hist. Nat. 9(1-2): 287, 332, Pl. 5 1856-1857. *Elatostema heyneana* (Wedd.) Hallier, Ann. Jard. Bot. Buit. 13: 316. 1896. *Habit:* Herb. *Fl. & Fr.:* May-August. *Use:* Weed. *State of occurrence:* Rare. *Specimens examined:* SSD (Kaptai), 19 i 2016, K.K. Islam, KKI2281 (DACB).

Sarcochlamys pulcherrima Gaudich., Voy. Bot. 89. 1826. *Urtica pulcherrima* Roxb. 1832. *Habit*: Shrub. *Local name*: Maricha. *Fl. & Fr.*: June-February. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2230 (DACB).

10. Nyctaginaceae Juss. (1789)

Bougainvillea spectabilis Willd.. *Habit*: Shrub. *Local name*: Baganbilas. *Fl. & Fr.*: October-March. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: East hill (Barkal), 10 i 2016, K.K. Islam, KKI2055 (DACB).

11. Fagaceae Dumort. (1829)

Castanopsis indica (Roxb. ex Lindl.) A.DC., J. Bot. 1: 182. 1863. *Castanea indica* Roxb. ex Lindl., Pl. Asiat. Rar. 2: 5. 1830. *Habit*: Tree. *Local name*: Batna, Gol-singara, Shil Batna. *Fl. & Fr.*: February-April. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1872 (DACB).

Lithocarpus fenestratus (Roxb.) Rehder, J. Arnold Arbor. 1(2): 126. 1919. *Quercus fenestrata* Roxb. 1832. *Habit*: Tree. *Local name*: Kala-chukma. *Fl. & Fr.*: September-May. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Sitapahar (Kaptai), 22 i 2016, K.K. Islam, KKI2312 (DACB).

Lithocarpus elegans (Blume) Hatus. ex Soepadmo, Reinwardtia 8: 236. 1970. *Quercus elegans* Blume, Verh. Batav. Genootsch. Kunsten 9: 208. 1825. *Habit*: Tree. *Local name*: Bara batna; *Fl. & Fr.*: February-October. *Use*: Wood used as house posts. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, 25 xii 2015, N. Rahman, NR111 (DACB).

12. Cactaceae Juss. (1789)

Opuntia dillenii (Ker Gawl.) Haw., Suppl. Pl. Succ. 79. 1819. *Cactus dillenii* Ker Gawl., Bot. Reg. 255. 1818. *Habit*: Herb. *Local name*: Phonimonsa. *Fl. & Fr.*: Mostly during spring and summer. *Use*: Ornamental, Medicine. *State of occurrence*: Planted. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2112 (DACB).

13. Amaranthaceae Juss. (1789)

Alternanthera sessilis (L.) R.Br. ex DC., Cat. Pl. Horti Monsp. 77. 1813. *Gomphrena sessilis* L., Sp. Pl. 225. 1753. *Habit*: Herb. *Local name*: Senchi shak. *Fl. & Fr.*: Throughout the year. *Use*: Vegetable, Medicine. *State of occurrence*: Common. *Specimens examined*: Vigikiging, Balikhali, 17 i 2016, K.K. Islam, KKI2223 (DACB).

Achyranthes aspara L., Sp. Pl. 204. 1753. *Centrostachys aspera* (L.) Standl., J. Wash. Acad. Sci. 5: 75. 1915. *Habit*: Herb. *Local name*: Apang. *Fl. & Fr.*: June-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2002 (DACB).

Amaranthus lividus L. subsp. *polygonoides* (Moq.) Probst. *Habit*: Herb. *Local name*: Gobura notey. *Fl. & Fr.*: January-April. *Use*: Spinach. *State of occurrence*: Common. *Specimens examined*: Vigikiging, Balikhali, 17 i 2016, K.K. Islam, KKI2225 (DACB).

Amaranthus spinosus L., Sp. Pl. 991. 1753. *Habit*: Herb. *Local name*: Khaira kata, Kanta-nutia. *Fl. & Fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2208 (DACB).

Amaranthus viridis L., Sp. Pl. 1405. 1763. *Pyxidium viride* (L.) Moq., Prodr. 13(2): 274. 1849. *Habit*: Herb. *Local name*: Noyta sak. *Fl. & Fr.*: End of monsoon to mid summer. *Use*: Spinach. *State of occurrence*: Common. *Specimens examined*: Nabangachari, Mogban, 14 i 2015, K.K. Islam, KKI2175 (DACB).

Celosia argentea L., Sp. Pl. 205. 1753. *Celosia cristata* L., Sp. Pl. 205. 1753. *Habit:* Herb. *Local name:* Muroghul. *Fl. & Fr.:* In the winter season. *Use:* Ornamental. *State of occurrence:* Planted. *Specimens examined:* Dhandachara, 5 i 2016, K.K. Islam, KKI2038 (DACB).

Cyathula prostrata (L.) Blume, Bijdr. 549. 1826. *Portulaca meridiana* L.f., Suppl. Pl. 248. 1782. *Habit:* Herb. *Fl. & Fr.:* September-November. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1768 (DACB).

14. Portulacaceae Juss. (1789)

Portulaca quadrifida L., Mant. Pl. 73 (1767). *Portulaca meridiana* L.f., Suppl. Pl. 248 (1782). *Habit:* Herb. *Local name:* Chhoto Lunia, Munnia shak. *Fl. & Fr.:* May-August. *Use:* Vegetable. *State of occurrence:* Common. *Specimens examined:* Dulichari, 18 i 2016, K.K. Islam, KKI2231 (DACB).

15. Basellaceae Raf. (1837)

Basella alba L., Sp. Pl. 272 (1753). *Basella rubra* L., Sp. Pl. 272 (1753). *Habit:* Climber. *Local name:* Poi-shak. *Fl. & Fr.:* November-March. *Use:* Vegetable. *State of occurrence:* Cultivated. *Specimens examined:* Suvolong, 12 i 2016, K.K. Islam, KKI2133 (DACB).

16. Molluginaceae Bartl. & Wend. (1825)

Glinus lotoides L., Sp. Pl. 463. 1753. *Mollugo lotoides* (L.) Arcang., Fl. Italy 247. 1882. *Habit:* Herb. *Local name:* Alugash. *Fl. & Fr.:* Spring-summer. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* Imachara, 11 i 2016, K.K. Islam, KKI2113 (DACB).

17. Polygonaceae Juss. (1789)

Ampelgynom salarkhanii M.A. Hassan, Bangladesh J. Bot. 20(2): 245. 1991. *Habit:* Herb. *Local name:* Mohicharan sak, kaker pantabhat. *Fl. & Fr.:* October-February. *Use:* Vegetables. *State of occurrence:* Rare. *Specimens examined:* Suvolong, 12 i 2016, K.K. Islam, KKI2135 (DACB).

Antigonon leptopus Hook. & Arn., Bot. Beechey Voy. 308. 1838. *Antigonon platypus* Hook. & Arn., Bot. Beechey Voy. 309. 1838. *Habit:* Climber. *Local name:* Ananta lata. *Fl. & Fr.:* February-August. *Use:* Ornamental. *State of occurrence:* Planted. *Specimens examined:* Baghaichari, 13 i 2016, K.K. Islam, KKI2144 (DACB).

Persicaria hydropiper (L.) Opiz., Seznam 72. 1852. *Polygonum hydropiper* L., Sp. Pl. 361. 1753. *Habit:* Herb. *Local name:* Pakurmul, Bishkatali. *Fl. & Fr.:* August-April. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal sadar, 25 xii 2015, N. Rahman, NR129 (DACB).

Persicaria tinctoria (Aiton) H. Gross, Beih. Bot. Centralbl. 37(2): 114. 1919. *Ampelgynom tinctorium* (Aiton) Steud., Nom. Bot. 1: 79. 1840. *Habit:* Herb. *State of occurrence:* Rare. *Specimens examined:* Jaingachara, Chotohorina, 9 xii 2015, K.K. Islam, KKI1932 (DACB).

Persicaria lapathifolia (L.) S.F. Gra, Fl. Auvergne 2: 519 1800. *Polygonum lapathifolium* L., Sp. Pl. 360. 1753. *Habit:* Herb. *Local name:* Panimorich; *Fl. & Fr.:* December-June. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* Barkal sadar, 22 xii 2015, N. Rahman, NR130 (DACB).

Polygonum assamicum Meisn., Prodr. 14(1): 111. 1856. *Persicaria assamica* (Meisn.) Sojak, Preslia 46 (2): 152. 1974. *Habit:* Herb. *Local name:* Assami-bishkatali. *Fl. & Fr.:* October-February. *State of occurrence:* Common. *Specimens examined:* Barkal sadar, 24 xii 2015, N. Rahman, NR128 (DACB).

18. Plumbaginaceae Juss. (1789)

Plumbago indica L., in Stockm., Herb. Amb. 24. 1754. *Plumbago rosea* L., Sp. Pl. 1: 215. 1762. *Habit:* Herb. *Local name:* Raktachita; *Fl. & Fr.:* December-February. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1815 (DACB).

Plumbago zeylanicum L., Sp. Pl. 151 (1753). *Habit:* Herb. *Local name:* Chita, Chitrak. *Fl. & Fr.:* October-December. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* Parbotchara, Barkal, 18 xii 2015, N. Rahman, NR3 (DACB).

19. Dilleniaceae Salisb. (1806)

Dillenia indica L., Sp. Pl. 535. 1753. *Dillenia elongata* Miq., Fl. Ned. India 1(2): 12. 1858. *Habit:* Tree. *Local name:* Chalta; *Fl. & Fr.:* May-February. *Use:* Vegetable. *State of occurrence:* Common. *Specimens examined:* Dulichari, 18 i 2016, K.K. Islam, KKI2231 (DACB).

Dillenia pentagyna Roxb., Pl. Coromandel 1: 21. 1795. *Dillenia augusta* Roxb., Fl. Indica 2: 652 . 1832. *Habit:* Tree. *Local name:* Banchalta; *Fl. & Fr.:* January-June. *Use:* Medicine, Fruit edible. *State of occurrence:* Rare. *Specimens examined:* Barkal, 6 xi 2016, R. Rahman, RR200 (DACB).

20. Theaceae Mirbel (1816)

Eurya acuminata DC., Prodr. 1: 525 (1824). *Eurya multiflora* DC., Prodr. 1: 525. 1824. *Habit:* Tree. *Local name:* Chagolar bori. *Fl. & Fr.:* July-December. *Use:* Fire wood. *State of occurrence:* Common. *Specimens examined:* Dulichari, 18 i 2016, K.K. Islam, KKI2268 (DACB).

21. Clusiaceae Lindl. (1836)

Calophyllum polyanthum Wall. ex Planch. & Triana, Ann. Sci. Nat., Bot. 15: 278. 1861. *Calophyllum elatum* Bedd., Fl. Sylv. S. India 1 (1869). *Habit:* Tree. *Local name:* Kan, Chandua. *Fl. & Fr.:* January-July. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* Balukhali, 16 i 2016, K.K. Islam, KKI2209 (DACB).

Garcinia cowa Roxb. ex DC., Prodr. 1: 561. 1824. *Garcinia cornea* Roxb. ex Sm., Cycl. 15: 5. 1810. *Habit:* Tree. *Local name:* Cowa. *Fl. & Fr.:* February-August. *Use:* Fruit edible. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1929 (DACB).

Garcinia xanthochymus Hook.f., Fl. Brit. India 1: 269. 1874. *Xanthochymus pictorius* Roxb., Pl. Coromandel 2: 196. 1805. *Habit:* Tree. *Local name:* Dem-gola, Dam-bel. *Fl. & Fr.:* March-February. *Use:* Fruit edible. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 i 2016, K.K. Islam, KKI2065 (DACB). **(Pl. 6a)**

Mesua ferrea L., Sp. Pl. (ed. 2) 1: 734. 1762. *Mesua nagassarium* (Burm. f.) Kosterm., Ceylon J. Sci., Biol. Sci. 12: 71. 1976. *Habit:* Tree. *Local name:* Nageshwar. *Fl. & Fr.:* February-October. *Use:* Ornamental. *State of occurrence:* Planted. *Specimens examined:* Barkal sadar, 14 iv 2016, S. Rana, Rana80 (DACB).

22. Tiliaceae Juss. (1789)

Colona flagrocarpa (C.B. Clarke) Craib, Fl. Siam. 1: 189. 1925. *Olumbia flagrocarpa* C.B. Clarke, Indian Trees 101. 1906. *Habit:* Shrub. *State of occurrence:* Rare. *Specimens examined:* Dhandachara, 4 i 2016, J.C. Roy, JCR2016 (DACB).

Corchorus aestuans L., Syst. Nat. 2: 1079. 1759. *Corchorus fuscus* Roxb., Fl. Indica 2: 58. 1824. *Habit:* Herb. *Local name:* Ban pat. *Fl. & Fr.:* August-February. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2315 (DACB).

Grewia hirsuta Vahl, Symb. 1: 32. 1790. *Grewia roxburghii* G. Don. 1831. *Habit*: Tree. *Local name*: Asar. *Fl. & fr.*: March-December. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2114 (DACB).

Grewia nervosa (Lour.) Panigrahi, Taxon 34: 702 (1985). *Microcos paniculata* L. 1753. *Habit*: Shrub. *Local name*: Kukurbicha. *Fl. & fr.*: Throughout the year. *Use*: Fire wood. *State of occurrence*: Rare. *Specimens examined*: Barkal, 16 iv 2016, S. Islam, S201 (DACB).

Triumfetta annua L., Mant. Pl. 73. 1767. *Habit*: Herb. *Fl. & fr.*: December-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2029 (DACB).

Triumfetta rhomboidea Jacq., Enum. Syst. Pl. 22. 1760. *Bartramia indica* L., Sp. Pl. 389. 1753. *Habit*: Herb. *Local name*: Bon Okra. *Fl. & fr.*: August-January. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2279 (DACB).

23. Sterculiaceae Salisb. (1807)

Abroma augusta (L.) L.f., Suppl.: 341. 178. *Theobroma augusta* L. 1776. *Habit*: Tree. *Local name*: Ulatkambal. *Fl. & fr.*: June-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal sadar, 25 xii 2015, N. Rahman, NR129 (DACB).

Byttneria pilosa Roxb., Fl. Indica 2: 681. 1832. *Buettneria elegans* Ridl. 1911. *Habit*: Climber. *Local name*: Harjora lata. *Fl. & fr.*: October-February. *Use*: Medicine. *State of occurrence*: Very common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1840 (DACB).

Byttneria aspera Colebr., Fl. Indica. 2: 383. 1824. *Byttneria grandifolia* DC., Prodr. 1: 486. 1824. *Habit*: Climber. *Local name*: Khata fall lata. *Fl. & fr.*: April-December. *State of occurrence*: Very common. *Specimens examined*: Beganachara, 9 xii 2015, K.K. Islam, KKI1928 (DACB).

Pterigota alata (Roxb.) R.Br. in Bennet & R. Br., Pl. Java Rat.: 234. 1844. *Sterculia alata* Roxb. 1820. *Habit*: Tree. *Local name*: Buddha narikel. *Fl. & fr.*: December-July. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2009 (DACB).

(Pl. 10e)

Pterospermum acerifolium (L.) Willd., Sp. Pl. 3: 729. 800. *Pentapetes acerifolia* L., Sp. Pl. 698. 1753. *Habit*: Tree. *Local name*: Kanak-champa, Muskanda. *Fl. & fr.*: March-April. *Use*: Dried flower powder used for killing hair lice and repelling bed bugs. *State of occurrence*: Rare. *Specimens examined*: Jaingachara, 8 xii 2015, K.K. Islam, KKI (DACB).

Pterospermum semisagittatum Buch.-Ham. ex Roxb., Fl. Indica 3: 169. 1820. *Habit*: Tree. *Local name*: Laona Assar, Bara Assar. *Fl. & fr.*: April-August. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Jaingachara, 9 xii 2015, K.K. Islam, KKI1948 (DACB). (Pl. 12d)

Sterculia foetida L., Sp. Pl. 1008. 1753. *Clompanus foetida* (L.) Kuntze, Revis. Gen. Pl. 1: 77. 1891. *Habit*: Tree. *Local name*: Udal. *Fl. & fr.*: February-August. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2279 (DACB).

Sterculia hamiltonii (Kuntze) Adelb., Blumea 5: 506. 1952. *Sterculia coccinea* Roxb. 1832. *Habit*: Tree. *Local name*: Siduri phal gach. *Fl. & fr.*: April-October. *Use*: Fire wood. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1985 (DACB).

(Pl. 5d)

Sterculia villosa Roxb., Fl. Indica 3: 153. 1832. *Sterculia ornata* Wall ex Kurz 1873. *Habit*: Tree. *Local name*: Udal, Chandul. *Fl. & fr.*: March-May. *Use*: Fire wood, Medicine and Wood. *State of occurrence*: Common. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2232 (DACB).

Sterculia sp. *Habit:* Tree. *Local name:* Use: Ornamental. *State of occurrence:* Rare. *Specimens examined:* Barkal sadar, 14 iv 2016, S. Rana, Rana85 (DACB).

24. Bombacaceae Kunth (1822)

Bombax ceiba L., Sp. Pl. 511. 1753. *Bombax aculeatum* L., Syst. Nat. 2: 1141. 1759. *Habit:* Tree. *Local name:* Shimul. *Use:* Medicine, Fibre. *State of occurrence:* Rare. *Specimens examined:* 22 i 2016, K.K. Islam, KKI2217 (DACB).

Ceiba pentandra (L.) Gaertn., Fruct. Sem. Pl. 2: 244. 1791. *Bombax pentandrum* L., Sp. Pl. 511. 1753. *Habit:* Tree. *Fl. & fr.:* January-March. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Balukhali, 16 i 2016, K.K. Islam, KKI2217 (DACB).

25. Malvaceae Juss. (1789)

Abelmoschus moschatus Medik., Malvenfam. 46. 1787. *Abelmoschus chinensis* Wall., Numer. List 87. 1829. *Habit:* Herb. *Local name:* Mushak-dana, Kalokasturi. *Fl. & fr.:* July-January. *Use:* Fibre. *State of occurrence:* Rare. *Specimens examined:* Barkal sadar. 24 xii 2015, N. Rahman, NR67 (DACB).

Abelmoschus hostilis M.S. Khan & M.S. Hussain, Bangladesh J. Pl. Taxon. 8: 115. 2001. *Habit:* Herb. *Fl. & fr.:* September-November. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Vigikiging, Balukhali, 17 i 2016, K.K. Islam, KKI2227 (DACB).

Gossypium herbaceum L., Sp. Pl. 693. 1753. *Gossypium aureum* Raf., Sylva Tellur. 19. 1838. *Habit:* Shrub. *Local name:* Karpas tula. *Fl. & fr.:* December-Arpil. *Use:* Fibre. *State of occurrence:* Cultivated. *Specimens examined:* Dhandachar, 4 i 2016, K.K. Islam, KKI1984 (DACB).

Hibiscus rosa-sinensis L., Sp. Pl. 694 (1753). *Hibiscus boryanus* DC., Prodr. 1: 446. 1824. *Habit:* Shrub. *Local name:* Joba, Raktajoba. *Fl. & fr.:* Throughout the year. *Use:* Medicine. *State of occurrence:* Planted. *Specimens examined:* Beganachara, 8 i 2016, K.K. Islam, KKI2045 (DACB).

Hibiscus sabdariffa L., Sp. Pl. 695. 175. *Hibiscus fraternus* L., Pl. Surin. 90. 1775. *Habit:* Herb. *Local name:* Mesta Pat, Chukair. *Fl. & fr.:* September-February. *Use:* Fibre. *State of occurrence:* Planted. *Specimens examined:* Bhushonchara, 19 xii 2015, N. Rahman, NR12 (DACB).

Hibiscus surattensis L., Sp. Pl. 696. 1753. *Hibiscus aculeatus* G. Don, Gen. Hist. 1: 480. 1831. *Habit:* Herb. *Local name:* Lata mesta. *Fl. & fr.:* September-February. *Use:* Fibre, Medicine. *State of occurrence:* Rare. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1822 (DACB).

(Pl. 6b)

Sida acuta Burm. f., Fl. Indica 147 1768. *Sida vogelii* Hook.f., Niger Fl. 231. 1849. *Habit:* Shrub. *Local name:* Berela. *Fl. & fr.:* September-May. *Use:* Medicine, Fibre. *State of occurrence:* Common. *Specimens examined:* Barkal, 5 xii 2015, K.K. Islam, KKI1843 (DACB).

Sida cordifolia L., Sp. Pl. 684. 1753. *Sida conferta* Link, Enum. Hort. Berol. Alt. 2: 207. 1822. *Habit:* Herb. *Local name:* Berela. *Fl. & fr.:* September-December. *Use:* Fibre. *State of occurrence:* Common. *Specimens examined:* Dulichara, 18 i 2016, K.K. Islam, KKI2233 (DACB).

Sida rhombifolia L., Sp. Pl. 684. 1753. *Sida compressa* Wall.. *Habit:* Herb. *Local name:* Lal Berela. *Fl. & fr.:* July-December. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Beganachara, 8 i 2016, K.K. Islam, KKI2046 (DACB).

Sida cordata (Burm.f.) Borss.Walk., Blumea 14: 182. 1966. *Melochia cordata* Burm.f., Fl. Indica 143. 1768. *Habit*: Herb. *Local name*: Junka, Suntal. *Fl. & fr.*: Throughout the year. *Status of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1831 (DACB).

Urena lobata L., Sp. Pl. 692. 1753. *Urena americana* L., Pl. Surin. 11. 1775. *Habit*: Shrub. *Local name*: Congo-pat, Ban-okhra. *Fl. & fr.*: Throughout the year. *Use*: Fibre, Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2282 (DACB).

26. Flacourtiaceae DC. (1824)

Flacourtia jangomas (Lour.) Raeusch., Nomencl. Bot. 3: 290. 1797. *Stigmarota jangomas* Lour., Fl. Cochinch. 2: 634. 1790. *Habit*: Tree. *Local name*: Lukluki. *Fl. & fr.*: March-October. *Use*: Fruit edible. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2047 (DACB).

Hydnocarpus kurzii (King) Warb., Nat. Pflanzenfam. 3 (6a): 21. 1893. *Taraktogenos kurzii* King, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 59: 123. 1890. *Habit*: Tree. *Local name*: Chaulmugra. *Fl. & fr.*: July-February. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2217 (DACB). (Pl. 4a)

27. Passifloraceae Juss. (1806)

Passiflora foetida L., Sp. Pl. 959. 1753. *Passiflora polyadena* Vell., Fl. Flumin. 9: 1827. *Habit*: Climber. *Local name*: Jhumko lata. *Fl. & fr.*: April-August. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2145 (DACB).

28. Caricaceae Dumort. (1829)

Caryca papaya L., Sp. Pl.: 1036. 1753. *Habit*: Tree. *Local name*: Pepe. *Fl. & fr.*: Throughout the year. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1766 (DACB).

29. Cucurbitaceae Juss. (1789)

Actinostemma tenerum Griff., Pl. Cantor. 25. 1837. *Pomasterion japonicum* Miq., Ann. Mus. Bot. Lugduno-Batavi 2: 80. 1865. *Habit*: Climber. *Fl. & fr.*: May-October. *State of occurrence*: Rare. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1869 (DACB). (Pl. 5c)

Cayaponia laciniosa (L.) C. Jeffrey, Kew Bull. 15: 346. 1962. *Bryonopsis laciniosa* (L.) Naudin, Ann. Sci. Nat., Bot. 12: 141. 1860. *Habit*: Climber. *Local name*: Mala. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Nabangachari, Mogban, 14 i 2016, K.K. Islam, KKI2166 (DACB).

Luffa cylindrica (L.) Roem., Fam. Nat. Syn. Monogr. 2: 63. 1846. *Luffa aegyptiaca* Mill. 1768. *Habit*: Herb. *Local name*: Dhundul, Titpola. *Fl. & fr.*: June-December. *Use*: Vegetable, Medicine. *State of occurrence*: Cultivated. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2031 (DACB).

Momordica cochinchinensis (Lour.) Spreng., Syst. Veg. 3: 14. 1826. *Muricia cochinchinensis* Lour. 1790. *Habit*: Climber. *Local name*: Kakrol, Golkak. *Fl. & fr.*: July-October. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2283 (DACB).

Mukia maderaspatana (L.) Roem., Fam. Nat. Syn. Monogr. 2: 47. 1846. *Melothria maderaspatana* (L.) Cogn. 1881. *Habit*: Climber. *Local name*: Agmukhi, Bilari. *Fl. & fr.*: June-

December. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1925 (DACB). **(Pl. 10a)**

Solena amplexicaulis (Lam.) Gandhi, Fl. Hassan District 179. 1976. *Melothria heterophylla* (Lour.) Cogn. 1881. *Habit*: Climber. *Local name*: Rakhal gota, Rakhal sasha. *Fl. & fr.*: April-September. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2234 (DACB).

Thladiantha cordifolia (Blume) Cogn., Monogr. Phan. 3: 424. 1881. *Thladiantha calcarata* C.B. Clarke. 1876. *Habit*: Climber. *Fl. & fr.*: May-November. *State of occurrence*: Rare. *Specimens examined*: Vigigiging, Balukhali, 17 i 2016, K.K. Islam, KKI2226 (DACB).

Trichosanthes cordata Roxb., Fl. Indca, 3: 703. 1832. *Trichosanthes microsiphon* Kurz. 1872. *Habit*: Climber. *Local name*: Bhuikakra. *Fl. & fr.*: June-December. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2000 (DACB).

Trichosanthes cucumerina L., Sp. Pl. ed. 1: 1008. 1753. *Habit*: Climber. *Local name*: Banpatal. *Fl. & fr.*: June-October. *Use*: Vegetable. *State of occurrence*: Rare. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2235 (DACB).

Trichosanthes tricuspidata Lour., Fl. Cochinch. 2: 589. 1790. *Trichosanthes puber* Blume, Bijdr. Fl. Ned. India 15: 936. 1826. *Habit*: Climber. *Local name*: Makal phal. *Fl. & fr.*: July-December. *Use*: Poisonous, Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2006 (DACB). **(Pl. 12f)**

Zehneria scabra (L.f.) Sond., Fl. Cap. 2: 486. 1862. *Bryonia scabra* L.f., Suppl. Pl. 424. 1782. *Habit*: Climber. *Fl. & fr.*: March-July. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2241 (DACB). **(Pl. 11d)**

30. Tetramelaceae Airy Shaw (1965)

Tetrameles nudiflora R. Br., Pl. Jav. Rar. 79, Pl. 17. 1838. *Tetrameles rufinervis* Miq., Fl. Ned. India 1(1): 726. 1859. *Habit*: Tree. *Local name*: Chundul. *Fl. & fr.*: March-April. *Use*: Wood. *State of occurrence*: Rare. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2305 (DACB). **(Pl. 3b)**

31. Begoniaceae Agardh (1824)

Begonia annulata K. Koch, Berliner Allg. Gartenzeitung 1: 76. 1837. *Begonia barbata* Wall. ex A.DC., Prodr. 15(1): 348. 1864. *Habit*: Herb. *Local name*: Begunia. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Barkal, 14 i 2017, J.C. Roy, JCR2124 (DACB).

Begonia rex Putz., J. Gén. Hort. 2: 141. 1857. *Habit*: Herb. *Local name*: Lalmukta begonia. *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Nabangachari, Mogban, 14 i 2016, K.K. Islam, KKI2186 (DACB).

Begonia roxburghii (Miq.) A. DC., Prodr. 15 (1): 398. 1864. *Diploclinium roxburghii* Miq. Fl. Ned India 1(1): 692. 1856. *Habit*: Herb. *Fl. & fr.*: July-August. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dulichari, 8 i 2016, K.K. Islam, KKI2278 (DACB).

Begonia silhetensis (A.DC.) C.B. Clarke, Fl. Brit. India 2: 636. 1879. *Casparya silhetensis* A.DC., Prodr. 15(1): 277. 1864. *Habit*: Herb. *Fl. & fr.*: October-January. *Use*: Indoor ornamental. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2302(DACB).

32. Salicaceae Mirbel (1815)

Salix tetrasperma Roxb., Pl. Coromandel 1: 66. 1795. *Pleiarina tetrasperma* (Roxb.) N. Chao & G.T.Gong, J. Sichuan For. Sci. Techn. 17(2): 6. 1996. *Habit*: Tree. *Local name*: Bhes, Bias,

Panijoma. *Fl. & fr.*: November-March. *Use*: Flood resistant tree. *State of occurrence*: Common. *Specimens examined*: Imachari, 11 i 2016, K.K. Islam, KKI2115 (DACB). (Pl. 11f)

33. Capparaceae Juss. (1789)

Cleome rutidosperma DC., Prodr. 1: 241. 1824. *Cleome guineensis* Hook. f., Niger Fl. 218. 1849. *Habit*: Herb. *Fl. & fr.*: January-December. *State of occurrence*: Common. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2149 (DACB).

Crataeva magna (Lour.) DC.. *Capparis manna* Lour.. 1970. *Habit*: Tree. *Local name*: Barun. *Fl. & fr.*: January-September. *Use*: Wood. *State of occurrence*: Common. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2154 (DACB). (Pl. 3f)

34. Brassicaceae Burnett (1835)

Brassica oleracea L., Sp. Pl. 667. 1753. *Brassica fimbriata* Steud., Nomencl. Bot. 1: 223. 1840. *Habit*: Herb. *Local name*: Badhakopi. *Fl. & fr.*: January-May. *Use*: Medicine, Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2150 (DACB).

Raphanus raphanistrum subsp. **sativus** (L.) Domin, Beih. Bot. Centralbl. 26 (2): 255. 1910. *Raphanus sativus* L., Sp. Pl. 669. 1753. *Habit*: Herb. *Local name*: Mula; *Fl. & fr.*: January-May. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2069 (DACB).

35. Sapotaceae Juss. (1789)

Palaquium polyanthum (Wall. ex G.Don) Bail., raité Bot. Méd. Phan. 1500. 1884. *Bassia polyantha* Wall. ex G.Don, Gen. Hist. 4: 36. 1837. *Habit*: Tree. *Local name*: Lali, Salua, Tali, Dudhi. *Fl. & fr.*: March-August. *Use*: Flower are eaten by ethnic people. *State of occurrence*: Very rare. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2284 (DACB). (Pl. 4c)

36. Ebenaceae Gürke (1891)

Diospyros blancoi A.DC., Prodr. 8: 237. 1844. *Habit*: Tree. *Local name*: Beelati Gab. *Fl. & fr.*: March-August. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI-2308 (DACB).

Diospyros ramiflora Roxb., Fl. Indica 2: 535. 1832. *Habit*: Tree. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1998 (DACB).

Diospyros pilosuscula G.Don, Gen. Hist. 4: 39. 1837. *Diospyros pilosula* (A. DC.) Wall. ex Hiern, rans. Cambridge Philos. Soc. 12: 188. 1873. *Habit*: Tree. *Local name*: Titkin, khalta. *Fl. & fr.*: March-July. *Use*: Wood. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2306 (DACB).

37. Myrsinaceae R.Br. (1810)

Ardisia humilis Vahl, Symb. Bot. 3: 40. 1794. *Bladhia humilis* (Vahl) Sasaki, List Pl. Formosa 324. 1928. *Habit*: Shrub. *Local name*: Lal Puti dana. *State of occurrence*: Rare. *Specimens examined*: Subolong, 12 i 2016, K.K. Islam, KKI2129 (DACB). (Pl. 1a)

Ardisia paniculata A.DC., Prodr. 8: 139. 1884. *Habit*: Shrub. *Fl. & fr.*: April-June. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 14 iv 2016, S. Rana, Rana87 (DACB).

Ardisia solanacea (Poir.) Roxb., Pl. Coromandel 1: 27. 1795. *Tinus paniculata* (Roxb.) Kuntze
Habit: Shrub. *Local name*: Bon-Jam. *Fl. & fr.*: January-May. *Use*: Medicine. *State of occurrence*:
Rare. *Specimens examined*: Dhandachara, 4 xii 2015, K.K. Islam, KKI1988 (DACB).

Embelia ribes Burm. f., Fl. Indica 62. 1768. *Ardisia tenuiflora* Blume, Bijdr. 686. 1826. *Habit*:
Shrub. *Local name*: Biranga. *Fl. & fr.*: March-July. *State of occurrence*: Rare. *Specimens*
examined: Balukhali, 16 i 2016, K.K. Islam, KKI1793 (DACB).

Maesa indica (Roxb.) A. DC., Trans. Linn. Soc. London 17(1): 134. 1834. *Baeobotrys indica*
Roxb. 1814. *Habit*: Small tree. *Local name*: Sesu, Sirkhi. *Fl. & fr.*: April-January. *Use*: Firewood.
State of occurrence: Very common. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI-
2214 (DACB).

Maesa ramentacea (Roxb.) A. DC., Prodr. 1844. *Habit*: Small tree. *Local name*: Noa-maricha,
Bol-jakhandok. *Fl. & fr.*: January-November. *Use*: Medicine. *State of occurrence*: Very common.
Specimens examined: Barkal, 4 xii 2015, K.K. Islam, KKI1897 (DACB).

38. Connaraceae R.Rr. (1818)

Rourea minor (Gaertn.) Leenh., Fl. Males. 5: 514. 1957. *Aegiceras minus* Gaertn. 1788. *Habit*:
Climber. *Fl. & fr.*: March-October. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii
2015, K.K. Islam, KKI1833 (DACB).

39. Mimosaceae R.Br. (1814)

Acacia farnesiana (L.) Willd., Sp. Pl. 4(2): 1806. *Mimosa farnesiana* L., Sp. Pl. 1: 521. 1753.
Habit: Tree. *Local name*: Guiya Babla. *Fl. & fr.*: Throughout the year. *Use*: Wood. *State of*
occurrence: Rare. *Specimens examined*: 24 xii 2015, N. Rahman, NR99 (DACB).

Adenanthera pavonina L., Sp. Pl. 1: 384. 1753. *Adenanthera gersenii* Scheffer, Flora 52: 307.
1869. *Habit*: Tree. *Local name*: Raktachandan. *Fl. & fr.*: Throughout the year. *Use*: Medicine.
State of occurrence: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1834
(DACB).

Albizia chinensis (Osbeck) Merr., Amer. J. Bot. 3(10) 575. 1916. *Mimosa chinensis* Osbeck.
Habit: Tree. *Local name*: Chakua koro. *Fl. & fr.*: April-October. *Use*: Timber. *State of*
occurrence: Common. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2151
(DACB).

Calliandra haematocephala Hassk., Retzia 1: 216-219. *Anneslia haematocephala* (Hassk.)
Britton & P. Wilson, Sci. Surv. Porto Rico & Virgin Islands 6: 348. 1926. *Habit*: Shrub. *Local*
name: Power puff. *Fl. & fr.*: October-December, Sometime through the year. *Use*: Ornamental.
State of occurrence-Rare. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2152
(DACB).

Calliandra umbrosa (Wall.) Benth., Trans. Linn. Soc. 30: 537. 1875. *Inga umbrosa* Wall. 1831.
Habit: Tree. *Local name*: Chotto Betmara. *Fl. & fr.*: June-February. *Use*: Fire wood. *State of*
occurrence: Planted. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI2056 (DACB).

(Pl. 11b)

Mimosa pigra L., Cent. Pl. I 13-14. 1755. *Mimosa ciliata* Willd., Enum. Pl. 1048. 1809. *Habit*:
Shrub. *Local name*: Sada lajjabati. *Use*: Medicine. *State of occurrence*: Common. *Specimens*
examined: Barkal, 6 xii 2015, K.K. Islam, KKI1865 (DACB).

Mimosa pudica L., Sp. Pl. 1: 518. 1753. *Mimosa aspirata* Blanco. 1837. *Habit*: Herb. *Local*
name: Lal lajjabati. *Fl. & fr.*: Throughout the year. *Use*: Medicine, Soil Binder. *State of*
occurrence: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1837 (DACB).

Parkia timoriana (DC.) Merr., Philippine J. Sci. Bot. 5: 33. 1910. *Inga timoriana* DC. 1825. *Habit*: Tree. *Local name*: Kuki tetui. *Fl. & fr.*: November-February. *Use*: Vegetable. *State of occurrence*: Very rare. *Specimens examined*: Barkal, 25 i 2016, Siful Islam, S298 (DACB). **(Pl. 9e)**

40. Caesalpiniaceae R.Br. (1814)

Bauhinia acuminata L. *Habit*: Shrub. *Local name*: Sada kanchon. *Fl. & fr.*: May-July. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1866 (DACB).

Bauhinia purpurea L., Sp. Pl. 1: 375. 1753. *Habit*: Tree. *Local name*: Devakanchan, Raktakanchan. *Fl. & fr.*: November-May. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1867 (DACB).

Bauhinia scandens Burm. f., Fl. Indica 94. 1768. *Phanera scandens* (L.) Raf., Sylva Tellur 122.1838. *Habit*: Climber. *Local name*: Banar siri. *Fl. & fr.*: May-January. *Use*: Cord. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1881 (DACB).

(Pl. 11e)

Bauhinia wallichii J.F. Macbr., Contr. Gray Herb. 59: 23. 1919. *Bauhinia macrostachya* (Benth.) Wall. ex Baker, Fl. Brit. India: 2(5): 281. 1878. *Habit*: Climber. *Local name*: Gandi gila. *Fl. & fr.*: April-May. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2285 (DACB).

Bauhinia malabarica Roxb., Fl. Indica 2: 321. 1832. *Habit*: Tree. *Local name*: Ban kanchan. *Fl. & fr.*: September-April. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Bhusonchara, 19 xii 2015, N. Rahman, NR130 (DACB)

Caesalpinia cucullata Roxb., Fl. Indica 2: 358. 1832. *Mezoneuron cucullatum* (Roxb.) Wight & Arn. 1834. *Habit*: Shrub. *Local name*: Bogaserra kanta. *Fl. & fr.*: January-March. *Use*: Fire Wood. *State of occurrence*: Common. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI1903 (DACB).

Caesalpinia enneaphyllum Roxb., Fl. Indica ed. 2(2):363. 1832. *Mezoneurum enneaphyllum* Wight & Arn. 1808. *Habit*: Climber. *Local name*: Kuchai. *Fl. & fr.*: June-December. *State of occurrence*: Common. *Specimens examined*: Nabangachari, Mogban, 14 i 2016, K.K. Islam, KKI2167 (DACB).

(Pl. 9b)

Saraca asoca (Roxb.) De Wilde, Blumea 15: 393. 1968. *Jonesia asoca* Roxb., Asiat. Res, 4: 355 1795. *Habit*: Tree. *Local name*: Ahok. *Fl. & fr.*: February-September. *Use*: Ornamental, Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 i 2015, K.K. Islam, KKI1793 (DACB).

Peltophorum pterocarpum (DC.) K.Heyne, Nutt. Pl. Ned. Ind. ed. 2: 755. 1927. *Inga pterocarpa* DC.1825. *Habit*: Tree. *Local name*: Konok chura. *Fl. & fr.*: March-August. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Barkal sadar, 14 vi 2016, S. Rana, Rana89 (DACB).

Senna hirsuta (L.) H.S.Irwin & Barneby, Phytologia 44(7): 499. 1979. *Cassia hirsuta* L. 1753. *Habit*: Herb. *Fl. & fr.*: Throughout the year. *Use*: Vegetable, Medicine. *State of occurrence*: Common. *Specimens examined*: Porbatchara, 18 xii 2015, N. Rahman, NR62 (DACB).

41. Fabaceae Lindl. (1836)

Cassia fistula L., Sp. Pl. 1: 377-378. 1753. *Cassia rhombifolia* Roxb.. *Habit*: Tree. *Local name*: Badar lathi, Sonalu. *Fl. & fr.*: April-May. *Use*: Medicine. *State of occurrence*: Planted. *Specimens examined*: Barkal, 4 xi 2015, K.K. Islam, KKI1798 (DACB).

Crotalaria juncea L., Sp. Pl. 2: 714. 1753. *Habit*: Shrub. *Local name*: Sunn hemp. *Fl. & fr.*: December-May. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Jaingachara, Choto horina, 9 xii 2015, K.K. Islam, KKI1896 (DACB).

Crotalaria retusa L., Sp. Pl. 2: 715. 1753. *Crotalaria cuneifolia* Raf.. *Habit*: Shrub. *Local name*: Bil jhunjhuni, Atasi. *Fl. & fr.*: September-March. *State of occurrence*: Rare. *Specimens examined*: Porbatchara, 18 xii 2015, N. Rahman, NR24 (DACB).

Crotalaria verrucosa L., Sp. Pl. 2: 715. 1753. *Crotalaria angulosa* Lam.. *Habit*: Herb. *Fl. & fr.*: May-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Porbatchara, 18 xii 2015, N. Rahman, NR112 (DACB).

Dalbergia volubilis Roxb., Pl. Coromandel 2: 48, pl. 191. 1795. *Habit*: Climber. *Local name*: Ankilata. *Fl. & fr.*: December-June. *State of occurrence*: Common. *Specimens examined*: Imachari, 11 i 2016, K.K. Islam, KKI2121 (DACB).

Delonix regia (Bojer ex Hook.) Raf., Fl. Tellur. 2: 92. 1836. *Poinciana regia* Hook.. *Habit*: Tree. *Local name*: Krishnachura. *Fl. & fr.*: April-September. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Beganachara, 9 xii 2015, K.K. Islam, KKI1851 (DACB).

Derris monticola Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 361. 1897. *Habit*: Climber. *Fl. & fr.*: March-May. *State of occurrence*: Rare. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2237 (DACB).

Derris robusta (Roxb. ex DC.) Benth., J. Proc. Linn. Soc., Bot. 4: 104. 1860. *Dalbergia robusta* Roxb. ex DC. 1825. *Habit*: Tree. *Local name*: Jangaria, Jamurja, Korai. *Fl. & fr.*: December-May. *Use*: Timber, Fire wood. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 9 iii 2016, K.K. Islam, KKI1899(DACB).

Desmodium laxiflorum DC., Ann. Sci. Nat. Paris 4: 100. 1825. *Meibomia laxiflora* (DC.) O. Kuntze. 1891. *Habit*: Shrub. *Fl. & fr.*: August-December. *State of occurrence*: Common. *Specimens examined*: Beganachara, 9 i 2016, K.K. Islam, KKI1900 (DACB).

Desmodium motorium (Hout.) Merr., J. Arnold Arbor. 19(4): 345. 1938. *Hedysarum motorium* Houtt., Nat. Hist. 2(10): 246. 1779. *Habit*: Shrub. *Local name*: Gorachan, Turut Chandal. *Fl. & fr.*: September-February. *State of occurrence*: Common. *Specimens examined*: Jaingachara, Choto horina, 9 xiii 2015, K.K. Islam, KKI1933 (DACB).

Desmodium triflorum (L.) DC., Prodr. 2: 334. 1825. *Habit*: Herb. *Local name*: kulalia, Kodalia. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2048 (DACB).

Desmodium triquetrum (L.) DC., Prodr. 2: 326. 1825. *Hedysarum triquetrum* L., Sp. Pl. 2: 746. 1753. *Habit*: Shrub. *Fl. & fr.*: July-March. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1825 (DACB).

Flemingia macrophylla (Willd.) Kuntze ex Merr., Philipp. J. Sci. 5(2): 130. 1910. *Crotalaria macrophylla* Willd., Sp. Pl. 3(2): 982. 1802. *Habit*: Shrub. *Local name*: Bara salphan. *Fl. & fr.*: January-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2297 (DACB).

Flemingia strobilifera (L.) R.Br. in Ait. Hort. Kew 2(4): 350. 1812. *Hedysarum strobilifera* L. .1753. *Habit*: Shrub. *Local name*: Sim Busak. *Fl. & fr.*: October-February. *State of occurrence*: Common. *Specimens examined*: National park, 20 i 2016, K.K. Islam, KKI2276 (DACB).

Lablab purpureus (L.) Sweet, Hort. Brit. 2: 481. 1826. *Dolichos lablab* L., Sp. Pl. 2: 1021. 1763. *Habit*: Climber. *Local name*: Sheem, Urshi. *Fl. & fr.*: November-March. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: Bhusonchara, 19 xii 2015, N. Rahman, NR132 (DACB).

- Lens culinaris** Medic., Vorles. Churpfalz. Phy.-Okon. Ges. 2: 361. 1787. *Lens esculenta* Moench. 1794. *Habit*: Herb. *Local name*: Masur. *Fl. & fr.*: December-March. *Use*: Pulse. *State of occurrence*: Cultivated. *Specimens examined*: Barkal, 7 xii 2015, K.K. Islam, KKI1894 (DACB).
- Mucuna bracteata** DC. ex Kurz., J. Asiat. Soc. Beng. 42: 231. 1873. *Carpopogon bracteatum* Roxb. 1814. *Habit*: Climber. *Local name*: Wakmi. *Fl. & fr.*: January-May. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2207 (DACB).
- Mucuna gigantea** (Willd.) DC., Prodr. 2: 405. 1825. *Dolichos giganteus* Willd., Sp. Pl. 3(2): 1041. 1802. *Habit*: Climber. *Local name*: Soash Guri. *Fl. & fr.*: November-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2287 (DACB).
- Mucuna monosperma** (Roxb.) DC., Prodr. 2: 406. 1825. *Carpopogon monospermum* Roxb., Hort. Bengal. 54. 1814. *Habit*: Climber. *Local name*: Lal soash Guri. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 18 i 2016, K.K. Islam, KKI2236 (DACB). (Pl. 1c)
- Mucuna pruriens** (L.) DC., Prodr. 2: 405. 1825. *Dolichos pruriens* L. 1754. *Habit*: Climber. *Local name*: Bilai sungi, Al-Kushi. *Fl. & fr.*: October-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1781 (DACB).
- Pisum sativum** L., Sp. Pl. 2: 727. 1753. *Habit*: Shrub. *Local name*: Motor, Motor-shuti. *Fl. & fr.*: November-March. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: 18 xii 2015, N. Rahman, NR23 (DACB).
- Pongamia pinnata** (L.) Pierre, Fl. Forest Cochinch 3(25): sub pl. 385. 1899. *Cytisus pinnatus* L., Sp. Pl. 2: 741. 1753. *Habit*: Tree. *Local name*: Karach, Karanja. *Fl. & fr.*: March-July. *Use*: Biofuel. *State of occurrence*: Planted. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2213 (DACB).
- Psophocarpus tetragonolobus** (L.) DC., Prodr. 2: 403. 1825. *Dolichos tetragonolobus* L., Syst. Nat. 2: 1162. 1759. *Habit*: Climber. *Local name*: Korola shim, kamranga shim. *Fl. & fr.*: December-March. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI288 (DACB).
- Spatholobus acuminatus** Benth. in Miq., Pl. Jung. 238. 1852. *Butea acuminata* Wall. ex Kurz. 1876. *Habit*: Climber. *Local name*: Palashya lata. *Fl. & fr.*: August-December. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI(DACB).
- Spatholobus parviflorus** (Roxb.) Kuntze, Revis. Gen. Pl. 1: 205. 1891. *Butea parviflora* Roxb., Fl. Indica 3: 248. 1832. *Habit*: Climber. *Local name*: Goalia lata, Sal lata, Pan lata. *Fl. & fr.*: September-March. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2119 (DACB).
- Tamarindus indica** L., Sp. Pl. 1: 34. 1753. *Habit*: Tree. *Local name*: Tetul. *Fl. & fr.*: April-December. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2054 (DACB).
- Uraria crinita** (L.) Desv. ex DC., Prodr. 2: 324. 1825. *Hedysarum crinitum* L., Mant. Pl. 1: 102. 1767. *Habit*: Shrub. *Local name*: Dieng-kha-riu. *Fl. & fr.*: October-February. *State of occurrence*: Rare. *Specimens examined*: Vigikiging, Balukhali, 17 i 2016, K.K. Islam, KKI2222 (DACB).
- Vigna unguiculata** (L.) Walp., Report. Bot Syst. 1(5): 779. 1843. *Dolichos unguiculatus* L., Sp. Pl. 2: 725. 1753. *Habit*: Herb. *Local name*: Borboti. *Fl. & fr.*: Throughout the year. *Use*: Pulse. *State of occurrence*: Cultivated. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1993 (DACB).

Vigna pilosa (Klein ex Willd.) Baker, Fl. Brit. India 2(4): 207. 1876. *Dolichos pilosus* J.G. Klein ex Willd., Sp. Pl. 3(2): 1043. 1802. *Habit*: Herb. *Local name*: Jikhrai. *Fl. & fr.*: November-March. *State of occurrence*: Cultivated. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1993 (DACB).

42. Sonneratiaceae Engl. (1897)

Duabanga grandiflora (Roxb. ex DC.) Walp., Repert. Bot. Syst. 2: 114. 1843. *Lagerstroemia grandiflora* Roxb. ex DC., Mém. Soc. Phys. Genève 3(2): 84. 1826. *Habit*: Tree. *Local name*: Ramdala, Lampati, Kacha, Bandarhola. *Fl. & fr.*: January-June. *Use*: Wood. *Status of occurrence*: Rare. *Specimens examined*: Sitapahar, 22 i 2016, K.K. Islam, KKI2314 (DACB). (Pl. 4e)

43. Lythraceae Saint-Hilaire (1805)

Ammania baccifera L., Sp. Pl. 120. 1753. *Habit*: Herb. *Local name*: Acid gachh, Janlimendi. *Fl. & fr.*: April-September. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2042 (DACB).

Cuphea carthagenensis (Jacq.) J. F. Macbr., Publ. Field Mus. Nat. Hist., Bot. 8: 124. 1930. *Lythrum carthagenense* Jacq., Enum. Syst. Pl. 22. 1760. *Habit*: Herb. *Fl. & fr.*: Throughout the year. *State of occurrence*: Rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2074 (DACB). (Pl. 3e)

Cuphea hyssopifolia Kunth, Nov. Gen. Sp. 6: 199. 1824. *Parsonsia hyssopifolia* (Kunth) Standl., Contr. U.S. Natl. Herb. 23(4): 1018. 1924. *Habit*: Herb. *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1800 (DACB).

Lagerstroemia speciosa (L.) Pers., Syn. Pl. 2: 72. 1806. *Munchausia speciosa* L., Hausvater, 5(1): 357. 1770. *Habit*: Tree. *Local name*: Jarul. *Fl. & fr.*: April-August. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1802 (DACB).

Woodfordia fruticosa (L.) Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40(2): 56. 1871. *Lythrum fruticosum* L., Syst. Nat. 2: 1045. 1759. *Habit*: Tree. *Local name*: Ragkat, Dhatriphul. *Fl. & fr.*: January-May. *Use*: Ornamental, Medicine. *State of occurrence*: Common. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2164 (DACB).

44. Myrtaceae Juss. (1789)

Syzygium jambos (L.) Alston, Handb. Fl. Ceylon 6: 115. 1931. *Eugenia jambos* L., Sp. Pl. 470. 1753. *Habit*: Tree. *Local name*: Gulab-jam. *Fl. & fr.*: March-June. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2042 (DACB).

Syzygium megacarpum (Craib) Rathakr. & N. Nair, J. Econ. Taxon. Bot. 4: 287. 1983. *Eugenia megacarpa* Craib, Fl. Siam. 1: 652. 193. *Habit*: Tree. *Local name*: Chalta jam. *Fl. & fr.*: March-August. *Use*: Timber. *State of occurrence*: Planted. *Specimens examined*: Imachari, 11 i 2016, K.K. Islam, KKI2120 (DACB).

45. Onagraceae Juss. (1789)

Ludwigia adscendens (L.) Hara, J. Jap. Bot. 28: 291. 1953. *Jussiaea adscendens* L., Mant. Pl. 69. 1767. *Habit*: Herb. *Local name*: Kesara-dum. *Fl. & fr.*: March-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2289 (DACB).

Ludwigia hyssopifolia (G. Don) Exell, Garcia de Orta 5: 471. 1957. *Jussiaea hyssopifolia* G. Don, Gen. Hist. 2: 693. 1832. *Habit*: Herb. *Fl. & fr.*: January-December. *Use*: Common weed.

State of occurrence: Common. *Specimens examined:* Imachari, 11 i 2016, K.K. Islam, KKI2117 (DACB).

Ludwigia octovalvis (Jacq.) P.H. Raven, Kew Bull. 15(3): 476. 1962. *Oenothera octovalvis* Jacq., Enum. Syst. Pl. 19. 1760. *Habit:* Herb. *Local name:* Bhuikura, Bunlong, Labanga Lang. *Fl. & fr.:* January-December. *Use:* Common weed. *State of occurrence:* Common. *Specimens examined:* Beganachara, 9 i 2016, K.K. Islam, KKI2058 (DACB).

Ludwigia perennis L., Sp. Pl. 119. 1753. *Ludwigia parviflora* Roxb., Fl. India 1: 440. 1820. *Habit:* Herb. *Fl. & fr.:* February-December. *Use:* Common weed. *State of occurrence:* Common. *Specimens examined:* Dhandachara, 5 i 2016, K.K. Islam, KKI2043 (DACB).

46. Melastomataceae Juss. (1789)

Memecylon cerasiforme Kurz., Forest Fl. Burma 1: 516. 1877. *Habit:* Tree. *Fl. & fr.:* April-November. *State of occurrence:* Rare. *Specimens examined:* Barkal, 6 xii 2015, K.K. Islam, KKI1871 (DACB). (Pl. 12e)

Melastoma malabathricum L., Sp. Pl. 1: 390. 1753. *Melastoma affine* D. Don, Mem. Wern. Nat. Hist. Soc. 4: 288. 1823. *Habit:* Shrub. *Local name:* Tejbohol. *Fl. & fr.:* Throughout the year. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Jaingachara, 9 xii 2015, K.K. Islam, KKI1941 (DACB).

47. Combretaceae R.Br. (1810)

Anogeissus acuminata (Roxb. ex DC.) Wall. ex Guillem. & Perr., Fl. Seneg. Tent. 280. 1832. *Conocarpus acuminatus* Roxb. ex DC., Prodr. 3: 16. 1828. *Habit:* Tree. *Local name:* Chakwa. *Fl. & fr.:* February-April. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2300 (DACB).

Combretum acuminatum Roxb., Fl. Indica 2: 228. 1824. *Combretum costatum* Roxb., Fl. Indica 2: 227. 1824. *Habit:* Shrub. *Local name:* Patyuni. *Fl. & fr.:* December-July. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Dhandachara, 4 i 2016, K.K. Islam, KKI1982 (DACB).

Combretum decandrum Jacq., Enum. Syst. Pl. 19. 1760. *Combretum roxburghii* Spreng. 1825. *Habit:* Shrub. *Local name:* Sada guicha. *Fl. & fr.:* December-March. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1813 (DACB).

Getonia floribunda Roxb., Pl. Coromandel 1: 61. 1795. *Calycopteris floribunda* (Roxb.) Lam. ex Poir., Encycl. 2: 41. 1811. *Habit:* Shrub. *Local name:* Guicha lata. *Fl. & fr.:* January-April. *Use:* Medicine. *State of occurrence:* Planted. *Specimens examined:* SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2290 (DACB). (Pl. 9c)

Terminalia bellirica (Gaertn.) Roxb., Pl. Coromandel 2: 54. 1805. *Myrobalanus laurinoideus* (Teijsm. & Binn.) Kuntze. *Habit:* Tree. *Local name:* Bohera, Boyra. *Fl. & fr.:* March-November. *Use:* Medicine. *State of occurrence:* Planted. *Specimens examined:* Jaingachara, 9 i 2016, K.K. Islam, KKI2059 (DACB).

Terminalia catappa L., Mant. Pl. 128. 1767. *Terminalia badamia* sensu Tul., Ann. Sci. Nat., Bot. 6: 92. 1856. *Habit:* Tree. *Local name:* Katbadam. *Fl. & fr.:* March-December. *Use:* Ornamental. *State of occurrence:* Planted. *Specimens examined:* Beganachara, 9 ii 2016, R. Islam, RI001 (DACB).

48. Rhizophoraceae Pers. (1806)

Carallia brachiata (Lour.) Merr., Philipp. J. Sci. 15: 249. 1919. *Carallia confinis* Blume; Mus. Bot. 1: 129. 1850. *Habit:* Tree. *Local name:* Lotkao. *Fl. & fr.:* January-May. *Use:* Timber. *State of*

occurrence: Rare. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2171 (DACB).

49. Alangiaceae DC. (1828)

Alangium chinense (Lour.) Harms, Ber. Deutsch. Bot. Ges. 15: 24. 1897. *Stylidium chinense* Lour., Fl. Cochinch. 221. 1790. *Habit*: Tree. *Local name*: Marleza gachh. *Fl. & fr.*: April-October. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1884 (DACB).

50. Olacaceae B.Br. (1818)

Olox acuminata Wall. ex Benth., Proc. Linn. Soc. Lond. 1: 89. 1840. *Habit*: Shrub. *Fl. & fr.*: March-September. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2108 (DACB).

51. Loranthaceae Juss. (1808)

Dendrophthoe falcata (L.f.) Ettingsh, Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 32: 52. 1872. *Dendrophthoe indica* (Desr.) Miq., Fl. Ned. India 1(1): 820. 1856. *Habit*: Parasite. *Local name*: Phorolla. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI(DACB).

Macrosolen cochinchinensis (Lour.) Tiegh., Bull. Soc. Bot. France 4: 122. 1894. *Loranthus cochinchinensis* Lour., Fl. Cochinch. 1: 195. 1790. *Habit*: Parasite. *Local name*: Rema, Renda, Chota Banda. *Fl. & fr.*: Throughout the year. *Use*: Trapping birds. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1878 (DACB).

Viscum orientali Sieber ex Boiss., Voy. Bot. Espagne 2: 274. 1840. *Habit*: parasite. *Local name*: Porgachha. *Fl. & fr.*: October-January. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1839 (DACB). (Pl. 7d)

52. Celastraceae R.Br. (1814)

Bhesa robusta (Roxb.) Ding Hou, Blumea, Supple. 4: 152.1958. *Habit*: Tree. *Fl. & fr.*: September-April. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: National park, kaptai, 20 i 2016; K.K. Islam, KKI2288 (DACB). (Pl. 3a)

53. Icacinaceae

Natsiatum herpeticum Buch.-Ham. ex Arn., Edinb. Philos. J. 16: 314. 1834. *Natsiatum tonkinense* Gagnep., Notul. Syst. (Paris) 1: 205. 1910. *Habit*: Climber. *Fl. & fr.*: November-December. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, 9 xii 2015; Sohail, S112 (DACB). (Pl. 2b)

54. Dichapetalaceae Baill. (1886)

Dichapetalum gelonioides (Roxb.) Engl., Nat. Pflanzenfam 3(4): 348. 1896. *Habit*: Tree. *Local name*: Moacurra; *Fl. & fr.*: June-December. *Use*: Firewood. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1812 (DACB). (Pl. 10c)

55. Euphorbiaceae Juss. (1789)

Acalypha hispida Brum. f., Fl. Indica 303. 1768. *Ricinocarpus hispidus* (Burm.f.) Kuntze, Revis. Gen. Pl. 2: 618. 1891. *Habit*: Shrub. *Local name*: Hara hatisur. *Fl. & fr.*: Dcecember-February. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2292 (DACB).

Actephila excelsa (Dalz.) Muell.-Arg., *Linnaea* 32: 78. 1863. *Actephila thomsonii* Müll.Arg., *Linnaea* 34: 65. 1865. *Habit*: Shrub. *Status of occurrence*: Rare. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1889 (DACB). (Pl. 7b)

Actinodaphne gullavara (Buch.-Ham. ex Nees) M.R. Almeida, *Fl. Maharashtra* 4A: 251. 2003. *Actinodaphne angustifolia* Nees, *Pl. Asiat. Rar.* 3: 34. 1832. *Habit*: Tree. *Local name*: Modanmosta. *Fl. & fr.*: June-December. *State of occurrence*: Rare. *Specimens examined*: 18 xii 2015, N. Rahman, NR27 (DACB).

Antidesma acidum Retz., *Observ. Bot.* 5: 30. 1788. *Antidesma diandrum* (Roxb.) Spreng., *Syst. Veg.* 1: 826. 1824. *Habit*: Tree. *Local name*: Chutki gota. *Fl. & fr.*: November-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 24 xii 2015, N. Rahman, NR98 (DACB).

Aporosa aurea Hook. f., *Fl. Brit. India*, 5: 351. 1887. *Excoecaria integrifolia* Roxb., *Fl. Indica* 3: 757. 1832. *Habit*: Tree. *Local name*: Kechuan. *Fl. & fr.*: October-February. *Use*: Medicine. Fruit edible. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1823 (DACB).

Aporosa octandra (Buch.-Ham. ex D. Don) Vickery, *Enum. Fl. Pl. Nepal* 3: 193. 1982. *Aporosa dioica* (Roxb.) Muell.-Arg., *Prodr.* 15(2): 472. 1866. *Habit*: Tree. *Local name*: Pat kharolla. *Fl. & fr.*: December-April. *Use*: Dye. *State of occurrence*: Common. *Specimens examined*: Jaingachara, Choto horina, 9 xii 2015, K.K. Islam, KKI1922 (DACB).

Baccaurea ramiflora Lour., *Fl. Cochinch.* 661. 1790. *Baccaurea cauliflora* Lour., *Fl. Cochinch.* 661. 1790. *Habit*: Tree. *Local name*: Latkan. *Fl. & fr.*: June-September. *Use*: Fruit edible. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1796 (DACB).

Balakata baccata (Roxb.) Esser, *Blumea* 44: 155. 1999. *Sapium baccatum* Roxb., *Fl. Indica* 3: 694. 1832. *Habit*: Tree. *Local name*: Boloch, Billa, Kalabel, Kalagota. *Fl. & fr.*: April-October. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1805 (DACB).

Baliospermum solanifolium (Burm.) Suresh, *Interpret. Rheede's Hort. Malab.* 1988. *Croton roxburghii* Wall., *Rep. Calcutta Bot. Gard. to G.A. Bushby.* 1840. *Habit*: Shrub. *Local name*: Chuka, Putri, Baragachh. *Fl. & fr.*: December-April. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2137 (DACB).

Bischofia javanica Blume, *Bijdr.* 1168. 1827. *Bischofia cummingiana* Decne., *Voy. Inde* 4: 153. 1844. *Habit*: Tree. *Local name*: Kainjal badi. *Fl. & fr.*: March-December. *Use*: Wood. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1934 (DACB). (Pl. 8e)

Bridelia retusa (L.) A. Juss., *Euphorb. Gen.* 109. 1824. *Clutia retusa* L., *Sp. Pl.* 1475. 1753. *Habit*: Tree. *Local name*: Kata koi. *Fl. & fr.*: May-January. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2118 (DACB).

Bridelia stipularis (L.) Blume, *Bijdr.* 597 (1826). *Clutia stipularis* L., *Mant. Pl.* 127. 1776. *Habit*: Shrub. *Local name*: Pat Khowl. *Fl. & fr.*: November-March. *Use*: Fruit. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1811 (DACB).

Bridelia tomentosa Blume, *Bijdr.* 597. 1826. *Bridelia lancifolia* Roxb., *Fl. Indica* 3: 737. 1832. *Habit*: Tree. *Local name*: Khoi. *Fl. & fr.*: September-January. *Use*: Fruit edible. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1858 (DACB).

(Pl. 10b)

Codiaeum variegatum (L.) Rumph. ex A. Juss., *Euphorb. Gen.* 80: 111. 1824. *Croton variegatus* L., *Sp. Pl.* 1199. 1753. *Habit*: Shrub. *Local name*: Patabahar. *Fl. & fr.*:

Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Subolong, 12 i 2016, K.K. Islam, KKI2128 (DACB).

Croton roxburghii N.P. Balakr., Bull. Bot. Surv. India 3: 39. 1961. *Croton oblongifolius* Roxb. 1832. *Habit*: Small tree. *Local name*: Chuka. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, 5 xii 2015; K.K. Islam, KKI1823 (DACB). **(Pl. 6c)**

Drypetes assamica (Hook. f.) Pax & K. Hoffm, Pflanzenr. 4, 147, 15: 241 1922. *Cyclostemon assamicus* Hook. f., Fl. Brit. India 5: 342. 1887. *Habit*: Tree. *Local name*: Ban Bakul. *Fl. & fr.*: March-May. *State of occurrence*: Rare. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2286 (DACB).

Euphorbia neriifolia L., Sp. Pl. 451. 1753. *Elaeophorbia neriifolia* (L.) A.Chev., Rev. Int. Bot. Appl. Agric. Trop. 28: 348. 1948. *Habit*: Shrub. *Local name*: Mansasij. *Fl. & fr.*: June-November. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2293 (DACB).

Euphorbia tithymaloides L., Sp. Pl. 453. 1753. *Tithymaloides myrtifolia* (L.) Kuntze, Revis. Gen. Pl. 2: 620. 1891. *Habit*: Herb. *Fl. & fr.*: Februar-April. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: 25 iv 2016, N. Rahman, NR113 (DACB).

Euphorbia milii Des Moul., Bull. Hist. Nat. Soc. Linn. Bordeaux 1: 27. 1826. *Euphorbia bojeri* Hook., Bot. Mag. 63. 1836. *Habit*: Shrub. *Local name*: Kata Mukut. *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: 25 xii 2015, N. Rahman, NR112 (DACB).

Excoecaria cochinchinensis Lour., Fl. Cochinch. 612. 1790. *Sapium cochinchinense* (Lour.) Kuntze, Revis. Gen. Pl. 3(2): 293. 1898. *Habit*: Shrub. *Local name*: Lili mojnu. *Use*: Ornamental, Poisonous. *State of occurrence*: Planted. *Specimens examined*: 27 xii 2015, N. Rahman, NR133 (DACB).

Jatropha gossypifolia L., Sp. Pl. 1006. 1753. *Manihot gossypifolia* (L.) Crantz, Inst. Rei Herb. 1: 167. 1766. *Habit*: Shrub. *Local name*: Sadajeol. *Fl. & fr.*: April-August. *Use*: Medicine. *State of occurrence*: Planted. *Specimens examined*: 25 xii 2015, N. Rahman, NR114 (DACB).

Macaranga denticulata (Blume) Muell.-Arg, Prodr. 15(2): 1000. 1866. *Mappa denticulata* Blume, Bijdr. 625. 1826. *Habit*: Tree. *Local name*: Bura, Ratabura. *Fl. & fr.*: February-July. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 14 iv 2016, S. Rana, Rana95 (DACB).

Macaranga indica Wight., Icon. Pl. India Orient. 5. 1852. *Macaranga adenantha* Gagnep., Bull. Soc. Bot. France 69. 1923. *Habit*: Tree. *Fl. & fr.*: April-December. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2026 (DACB).

Macaranga peltata (Roxb.) Müll. Arg., Prodr. 15(2): 1010. 1866. *Osyris peltata* Roxb., Fl. India. 1832. *Habit*: Tree. *Local name*: Pelta bura. *Fl. & fr.*: February-July. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1794 (DACB).

Mallotus nudiflorus (L.) Kulju & Welzen, Blumea 52: 124. 2007. *Trewia nudiflora* L., Sp. Pl. 1193. 1753. *Habit*: Tree. *Local name*: Meragota, Pitali, Deshi-gamar. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Beganachara, 9 i 2016, K.K. Islam, KKI1908 (DACB).

Mallotus philippensis (Lam.) Muell.-Arg., Linnaea 34: 196. 1865. *Croton philippensis* Lam., Encycl. 2: 206. 1786. *Habit*: Tree. *Local name*: Kamalaguli, Kamela, Sinduri. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2310 (DACB).

Mallotus tetracoccus (Roxb.) Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42: 245. 1873. *Rottlera tetracocca* Roxb., Fl. Indica. 1832. *Habit*: Tree. *Local name*: Kumaribura, Muralia, Moinbura. *Fl. & fr.*: Throughout the year. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Beganachara, 9 i 2016, K.K. Islam, KKI1909 (DACB).

Mallotus repandus (Willd.) Müll.Arg., Linnaea 34: 197. 1865. *Croton repandus* Willd., Neue Schriften Ges. Naturf. Freunde Berlin 4: 206. 1803. *Habit*: Shrub. *Local name*: Gunti, Jhante. *Fl. & fr.*: December-April. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 7 xii 2015, K.K. Islam, KKI1889 (DACB).

Manihot esculenta Crantz, Inst. Rei Herb. 1: 167. 1766. *Manihot diffusa* Pohl, Pl. Bras. Icon. Descr. 1: 55. 1827. *Habit*: Shrub. *Local name*: Kasava. Shimul alu. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Cultivated. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1847 (DACB).

Phyllanthus emblica L., Sp. Pl. 982. 1753. *Cicca emblica* (L.) Kurz, Forest Fl. Burma 2: 352. 1877. *Habit*: Tree. *Local name*: Amlaki. *Fl. & fr.*: March-September. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Beganachara, 9 i 2016, K.K. Islam, KKI1911 (DACB).

Phyllanthus niruri L., Sp. Pl. 981. 1753. *Niruris annua* Raf., Sylva Tellur. 91. 1838. *Habit*: Herb. *Local name*: Bhuiamla. *Fl. & fr.*: August-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Beganachara, 19 xi 2015, R. Islam, RI0013 (DACB).

Phyllanthus reticulata Poir., Encycl. 5: 298. 1804. *Kirganelia reticulata* (Poir.) Baill., Étude Euphorb. 613. 1858. *Habit*: Shrub. *Local name*: Chitki, Pasnjuli. *Fl. & fr.*: March-October. *State of occurrence*: Very common. *Specimens examined*: Jangarchara, 9 xii 2015, K.K. Islam, KKI1898 (DACB).

Phyllanthus urinaria L., Sp. Pl. 982. 1753. *Diasperus urinaria* (L.) Kuntze, Revis. Gen. Pl. 2: 601. 1891. *Habit*: Herb. *Local name*: Hazarmani. *Fl. & fr.*: April-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2030 (DACB).

Ricinus communis L., Sp. Pl. 1007. 1753. *Croton spinosus* L., Sp. Pl. 1005. 1753. *Habit*: Shrub. *Local name*: Bherenda, Beri, Venna. *Fl. & fr.*: Mostly flower in winter season. *Use*: Oil. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1807 (DACB).

Suregada multiflorum (A.Juss.) Baill., Étude Euphorb. 396. 1858. *Gelonium bifarium* Roxb. ex Willd. Sp. Pl. 4: 831. 1806. *Habit*: Tree. *Local name*: Ban-naranga, Maricha. *Fl. & fr.*: February-June. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: National park, Kaptai, 20 xii 2015, N. Rahman, NR26 (DACB). (Pl. 11a)

56. Rhamnaceae Juss. (1789)

Gouania tiliaefolia Lam., Encycl. 3: 5. 1789. *Habit*: Climber. *Local name*: Pan lata. *Fl. & fr.*: July-December. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, Siful Islam, 16 iii 2016, S. Islam, S178 (DACB).

Ziziphus jujuba Mill., Gard. Dict.. 1768. *Ziziphus mauritiana* Lam., Encycl. 3: 319. 1789. *Habit*: Tree. *Local name*: Kul, Boroï. *Fl. & fr.*: September-March. *Use*: Fruit edible, Sacred plant to Muslims. *State of occurrence*: Planted. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1885 (DACB).

Ziziphus oenoplia L., Gard. Dict.. 1768. *Rhamnus oenoplia* L., Sp. Pl. 1: 194. 1753. *Habit*: Shrub. *Local name*: Bon Boroï, Jangal Boroï, Sialkul. *Fl. & fr.*: August-December. *Use*: Fruit edible. *State of occurrence*: Common. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2216 (DACB).

57. Leeaceae Dumort. (1829)

Leea indica (Burm. f.) Merr., Philipp. J. Sci. 14(2): 245. 1919. *Leea sambucina* (L.) Willd., Sp. Pl. 1(2): 1177. 1798. *Habit*: Shrub. *Local name*: Kukur Jihwa. *Fl. & fr.*: July-January. *Use*: Fuel wood. *State of occurrence*: Common. *Specimens examined*: Vigikiging, Balukhali, 17 i 2016, K.K. Islam, KKI2228 (DACB).

Leea macrophylla Roxb. ex Hornem., Hort. Hafn. 1: 231. 1813. *Leea robusta* Roxb., Fl. Indica 2: 468. 1824. *Habit*: Shrub. *Local name*: Dholsamudra. *Fl. & fr.*: July-February. *State of occurrence*: Common. *Specimens examined*: SSD, Kaptai, 19 i 2016, K.K. Islam, KKI2286 (DACB).

58. Vitaceae Juss. (1789)

Cissus adnata Roxb., Fl. Indica 1: 405. 1820. *Vitis adnata* (Roxb.) Wall., Prodr. Fl. India Orient. 1: 126. 1834. *Habit*: Climber. *Local name*: Bhatia-lata, alianga-lata. *Fl. & fr.*: March-August. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1874 (DACB).

Cissus assamica (M.A. Lawson) Craib, Bull. Misc. Inform. kew 31: 1911. *Vitis assamica* M.A. Lawson, Fl. Brit. India 1(3): 648. 1875. *Habit*: Climber. *Local name*: Amasha-lata. *Fl. & fr.*: April-October. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2124 (DACB).

Cissus javana DC., Prodr. 1: 628. 1824. *Cissus discolor* Blume. 1823. *Habit*: Herb. *Local name*: Ajongma pinon. *Fl. & fr.*: May-December. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2026 (DACB). **(Pl. 7e)**

Tetrastigma dubium (Lawson) Planch.. *Vitis dubia* Lawson. 1875. *Habit*: Climber. *Local name*: Kuanria. *Fl. & fr.*: March-July. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1845 (DACB).

Tetrastigma hookeri (M.A. Lawson) Planch, Monogr. Phan. 5: 428. 1887. *Vitis hookeri* M.A. Lawson, Fl. Brit. India 1: 661. 1875. *Habit*: Shrub. *State of occurrence*: Rare. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1870 (DACB).

Tetrastigma leucostaphylum (Dennst.) Aiston ex Mabb., Taxon 26: 539. 1977. *Cissus leucostaphyla* Dennst., Schlüssel Hortus Malab.. 1818. *Habit*: Climber. *Local name*: Horina lata. *Fl. & fr.*: March-August. *Use*: Fruit eaten by ethnic people. *State of occurrence*: Rare. *Specimens examined*: 21 xii 2015, N. Rahman, NR51 (DACB).

59. Linaceae DC. (1818)

Linum usitatissimum L., Sp. Pl. 277. 1753. *Linum humile* Mill., Gard. Dict. 1768. *Habit*: Herb. *Local name*: Tisi. *Fl. & fr.*: November-May. *Use*: Oil. *State of occurrence*: Cultivated. *Specimens examined*: 18 xii 2015, N. Rahman, NR7 (DACB).

60. Sapindaceae Juss. (1789)

Allophylus cobbe (L.) Raeuschel var. *villosa* (Roxb.) Prain, Rec. Bot. Surv. India 1: 236. 1898. *Allophylus villosa* (Roxb.) Blume 1847. *Habit*: Tree. *Local name*: Aitachita; *Fl. & fr.*: Throughout the year. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1875 (DACB).

Cardiospermum halicacabum L., Sp. Pl. 366. 1753. *Cardiospermum acuminatum* Miq., Linnaea 17: 579. 1843. *Habit*: Climber. *Local name*: Lataphutki. *Fl. & fr.*: May-November. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2072 (DACB).

Harpullia arborea (Blanco) Radlk., Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 16: 404. 1886. *Ptelea arborea* Blanco, Fl. Filip. 63. 1837. *Habit*: Tree. *Local name*: Puli pitha gachh. *Fl. & fr.*: Throughout the year. *Use*: Oil. *State of occurrence*: Rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2111 (DACB). (Pl. 1e)

Lepisanthes rubiginosa (Roxb.) Leenh., Blumea 17(1): 82. 1969. *Sapindus rubiginosus* Roxb. Pl. Coromandel 1: 44. 1795. *Habit*: Tree. *Local name*: Chhagol nadi, Chhagol nada. *Fl. & fr.*: April-May. *Use*: Fruit edible. *State of occurrence*: Rare. *Specimens examined*: 25 xii 2015, N. Rahman, NR100 (DACB).

Litchi sinensis Sonner, Voy. India 3: 255. 1782. *Habit*: Tree. *Local name*: Lichu. *Fl. & Fr.*: February-April. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI121 (DACB).

61. Burseraceae Kunth (1824)

Garuga pinnata Roxb., Pl. Coromandel 3: 5. 1811. *Garuga pharhad* Buch.-Ham., Trans. Linn. Soc. London 17: 191. 1835. *Habit*: Tree. *Local name*: Paharjiga. *Fl. & fr.*: February-May. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: Dulicharai, 18 i 2016, K.K. Islam, KKI2265 (DACB).

62. Anacardiaceae R.Br. (1818)

Anacardium occidentale L., Sp. Pl. 383. 1753. *Acajuba occidentalis* (L.) Gaertn., Fruct. Sem. Pl. 1: 192. 1788. *Habit*: Tree. *Local name*: Kajubadam. *Fl. & fr.*: February-June. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2210 (DACB).

Buchanania lancifolia Roxb., Fl. Indica, 2: 386. 1824. *Habit*: Tree. *Local name*: Jongly amm. *Fl. & fr.*: December-June. *Use*: Tender fruits are eaten locally as vegetable. *State of occurrence*: Rare. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2110 (DACB). (Pl. 5f)

Holigarna caustica (Dennst.) Oken, Allg. Naturgesch. 3(3): 1776. 1841. *Holigarna longifolia* Buch.-Ham. ex Roxb., Pl. Coromandel 3: 79. 1820. *Habit*: Tree. *Local name*: Barola, Jhawa. *Fl. & fr.*: March-July. *Use*: Poisonous. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1987 (DACB). (Pl. 11e)

Mangifera sylvatica Roxb., Fl. Indica 2: 438. 1824. *Habit*: Tree. *Local name*: Uri aam. *Fl. & fr.*: January-June. *Use*: Fruit edible. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2049 (DACB).

Mangifera indica L. Sp. Pl. 200. 1753. *Mangifera austroyunnanensis* Hu, Bull. Fan Mem. Inst. Biol. 10: 160. 1940. *Habit*: Tree. *Local name*: Amm; *Fl. & fr.*: February-April. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: 18 xii 2015, N. Rahman, NR13 (DACB).

Spondias pinnata (L. f.) Kurz, Prelim. Rep. Forest Pegu Appendix. 1875. *Mangifera pinnata* L. f., Suppl. Pl. 156. 1781. *Habit*: Tree. *Local name*: Amra. Ambi-thong. *Fl. & fr.*: February-August. *Use*: Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Suvolong, 12 i 2016, K.K. Islam, KKI2139 (DACB).

63. Meliaceae Juss. (1789)

Aglaia chittagonga Miq., Ann. Mus. Bot. Lugduno-Batavi 4: 44. 1868. *Amoora chittagonga* (Miq.) Hiern, Fl. Brit. India 1: 559. 1875. *Habit*: Tree. *Local name*: Thitpasing. *Fl. & fr.*: August-March. *Use*: Wood. *State of occurrence*: Rare. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2309 (DACB). (Pl. 4b)

Aphanamixis polystachya (Wall.) R.N. Parker, Indian Forester 57: 486. 1931. *Aphanamixis polillensis* (C.B. Rob.) Merr, Enum. Philipp. Fl. Pl. 2: 370. 1923. *Habit*: Tree. *Local name*: Pitraj, Royna. *Fl. & fr.*: February-May. *Use*: Timber. *State of occurrence*: Planted. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1918 (DACB).

Azadirachta indica A.Juss., Mém. Mus. Hist. Nat. 19: 221. 1830. *Antelaea azadirachta* (L.) Adelb., Blumea 6: 315. 1949. *Habit*: Tree. *Local name*: Neem. *Fl. & fr.*: February-May. *Use*: Medicine. *State of occurrence*: Planted. *Specimens examined*: Barkal sadar, 14 iv 2016, S. Rana, Rana97 (DACB).

Dysoxylum gotadhora (Buch.-Ham.) Mabb., in Fl. China 11: 127. 2008. *Dysoxylum binectariferum* (Roxb.) Hook. f. ex Beddome, Trans. Linn. Soc. London 25: 212. 1866. *Habit*: Tree. *Local name*: Rata, Bararata, Rangirata. *Fl. & fr.*: May-December. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1923 (DACB).

Swietenia mahagoni Jacq., Enum. Syst. Pl. 20. 1760. *Cedrela mahagoni* L., Syst. Nat. 2: 940. 1759. *Habit*: Tree. *Local name*: Mahagoni. *Fl. & fr.*: April-November. *Use*: Timber. *State of occurrence*: Planted. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1943 (DACB).

Walsora robusta Roxb., Fl. Indica, 2: 386. 1832. *Monocydis robusta* Wall. 1840. *Habit*: Tree. *Local name*: Bonlichu, Ataligula. *Fl. & fr.*: April-February. *Use*: Timber. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1940 (DACB). (Pl. 9f)

64. Rutaceae Juss. (1789)

Aegle marmelos (L.) Corr., Trans. Linn. Soc. London 5: 223. 1800. *Crateva marmelos* L., Sp. Pl. 444. 1753. *Habit*: Tree. *Local name*: Bel. *Fl. & fr.*: April-December. *Use*: Medicine, Fruit edible. *State of occurrence*: Planted. *Specimens examined*: Baghaichari, 13 i 2016, K.K. Islam, KKI2147 (DACB).

Citrus sinensis (L.) Osbeck, Reise Ostindien 250. 1765. *Habit*: Tree. *Local name*: Komola. *Fl. & fr.*: November-April. *Use*: Fruit edible. *State of occurrence*: Cultivated. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2240 (DACB).

Citrus aurantiifolia (Christm.) Swingle, J. Wash. Acad. Sci. 3(18): 465. 1913. *Limonia aurantiifolia* Christm., Vollst. Pflanzensyst. 1: 618. 1777. *Habit*: Shrub. *Local name*: Pati lebu. *Fl. & fr.*: March-September. *Use*: Medicine. *State of occurrence*: Cultivated. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2238 (DACB).

Citrus limon (L.) Osbeck, Reise Ostindien 250. 1765. *Citrus limonia* Osbeck, Reise Ostindien 250. 1765. *Habit*: Tree. *Local name*: Gora lebu, Karna lebu. *Fl. & fr.*: March-November. *Use*: Medicine. *State of occurrence*: Cultivated. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2239 (DACB).

Clausena anisata (Willd.) Hook.f. ex Benth., Niger Fl. 256. 1849. *Clausena suffruticosa* (Roxb.) Wight & Arn., Prodr. Fl. India Orient. 96. 1834. *Habit*: Shrub. *Local name*: Kalomaricha. *Fl. & fr.*: March-June. *State of occurrence*: Common. *Specimens examined*: 26 xii 2015, N. Rahman, NR122 (DACB).

Glycosmis pentaphylla (Retz.) DC., Prodr. 1: 538. 1824. *Limonia arborea* Roxb., Pl. Coromandel 1: 60. 1798. *Habit*: Shrub. *Local name*: Datmajani. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2295 (DACB).

Micromelum minutum (J.G. Forster) Wight & Arn., Prodr. Fl. India Orient. 448. 1834. *Micromelum pubescens* Blume. 1825. *Habit*: Tree. *Local name*: Dulia. *Fl. & fr.*: Throughout the

year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 25 xi 2015, N. Rahman, NR108 (DACB).

Murraya paniculata (L.) Jack, Malayan Misc. 1(5): 31. 1820. *Murraya exotica* L., Mant. Pl. 2: 563. 1771. *Habit*: Tree. *Local name*: Kamini. *Fl. & fr.*: March-January. Ornamental, Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1809 (DACB).

Paramignya scandens (Griff.) Craib., Fl. Siam. 1: 23. 1926. *Atalantia griffithii* (Hook. f.) Guillaumin, Notul. Syst. (Paris) 1: 183. 1910. *Habit*: Shrub. *Local name*: Karipa, Bannebu. *Fl. & fr.*: May-December. *State of occurrence*: Rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2090 (DACB).

Zanthoxylum rhetsa (Roxb.) DC., Prodr. 1: 728. 1825. *Fagara rhetsa* Roxb. 1820. *Habit*: Tree. *Local name*: Bazinali, Bajna. *Fl. & fr.*: March-September. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 26 xii 2015, N. Rahman, NR123 (DACB).

65. Oxalidaceae R.Br. (1818)

Oxalis corniculata L., Sp. Pl. 435. 1753. *Xanthoxalis corniculata* (L.) Small, S.E. U. S. 667. 1903. *Habit*: Herb. *Local name*: Amrul, Chuka tripati, Amboli. *Fl. & fr.*: September-May. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Sitapahar, kaptai, 22 i 2016, K.K. Islam, KKI2303 (DACB).

66. Balsaminaceae Richard (1822)

Impatiens trilobata Colebr., Exot. Fl.. 1825. *Impatiens flavida* Hook.f. & Thomson, J. Proc. Linn. Soc., Bot. 4: 127. 1860. *Habit*: Herb. *Local name*: Trii-khanda Balsam. *Fl. & fr.*: July-October. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1778 (DACB).

67. Araliaceae Juss. (1789)

Schefflera elliptica (Blume) Harms., Nat. Pflanzenfam. 3(8): 39. 1894. *Sciadophyllum ellipticum* Blume, Bijdr. 878. 1826. *Habit*: Climber. *Local name*: Jeng-jil, Dahina kath. *Fl. & fr.*: January-September. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: 20 xii 2015, N. Rahman, NR33 (DACB). (Pl. 10f)

Trevesia palmata (Roxb. ex Lindl.) Vis., Mem. Reale Accad. Sci. Torino 4: 262. 1842. *Gastonia palmata* Roxb. ex Lindl., Bot. Reg. 1825. *Habit*: Tree. *Local name*: Ban-pepe. *Fl. & fr.*: Jan-May. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1785 (DACB).

68. Apiaceae Lindl. (1836)

Centella asiatica (L.) Urban, Fl. Bras. 11(1): 287. 1879. *Hydrocotyle asiatica* L., Sp. Pl. 234. 1753. *Habit*: Herb. *Local name*: Durba ghas. *Fl. & fr.*: March-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2109 (DACB).

Erangium foetidum L., Sp. Pl. 1: 232. 1753. *Habit*: Herb. *Local name*: Bilati dhonia. *Fl. & Fr.*: April-December. *Use*: Flavour. *State of occurrence*: Cultivated. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2107 (DACB).

69. Gentianaceae Juss. (1789)

Canscora diffusa (Vahl) R.Br. ex Roem. & Schult., Syst. Veg. 3: 301. 1818. *Gentiana diffusa* Vahl, Symb. Bot. 3: 47. 1794. *Habit*: Herb. *Fl. & fr.*: Mid December-January. *State of occurrence*: Common. *Specimens examined*: Suvolong, 13 i 2016, K.K.Islam, KKI2162 (DACB). (Pl. 4f)

70. Apocynaceae Juss. (1789)

Alstonia scholaris (L.) R. Br., Asclepiadeae 75. 1810. *Echites scholaris* L., Mant. Pl. 1: 53. 1767. *Habit*: Tree. *Local name*: Chaitan, Chhatim. *Fl. & fr.*: November-May. *Use*: Medicine. *State of occurrence*: Planted. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2094 (DACB).

Beaumontia grandiflora Wall., Tent. Fl. Nepal. 1824. *Beaumontia longifolia* Lodd. ex Loudon, Hort. Brit. 67. 1830. *Habit*: Climber. *Fl. & fr.*: June-January. *Use*: Ornamental. *State of occurrence*: Rare. *Specimens examined*: Barkal, 6 xii 2015, K.K.Islam, KKI1864 (DACB). (Pl. 7c)

Cascabela thevetia (L.) Lippold, Feddes Repert. 91:52. 1980. *Thevetia peruviana* (Pers.) K.Schum., Nat. Pflanzenfam. 4(2): 159. 1895. *Habit*: Tree. *Local name*: Kalki phul, Halde karabi. *Fl. & fr.*: Throughout the year. *Use*: Poisonous. *State of occurrence*: Planted. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2091 (DACB).

Catheranthes roseus (L.) G. Don, Gen. Hist. 4: 1837. *Habit*: Herb. *Local name*: Nayantara; *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2096 (DACB).

Holarrhena pubescens Wall. ex G.Don, Gen. Hist. 4: 78. 1837. *Echites pubescens* Buch.-Ham., Trans. Linn. Soc. London 13: 524. 1822. *Habit*: Tree. *Local name*: Kurchi. *Fl. & fr.*: Throughout the year. *Use*: Medicine, Ornamental. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1862 (DACB).

Ichnocarpus frutescens (L.) W.T. Aiton, Hortus Kew 2: 69. 1811. *Apocynum frutescens* L., Sp. Pl. 213. 1753. *Habit*: Shrub. *Local name*: Dudhi lata, Paralia lata, Shyamalata. *Fl. & fr.*: April-December. *Use*: Fibre, Medicine. *State of occurrence*: Rare. *Specimens examined*: 27 xii 2015, N. Rahman, NR135 (DACB).

Rauvolfia serpentina (L.) Benth. ex Kurz, Forest Fl. Burma 2: 171. 1877. *Ophioxylon serpentinum* L., Sp. Pl. 1043. 1753. *Habit*: Shrub. *Local name*: Sarpoganda. *Fl. & fr.*: April-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 7 xii 2015, K.K. Islam, KKI1893 (DACB).

Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schult., Syst. Veg. 4: 427. 1819. *Nerium divaricatum* L., Sp. Pl. 209. 1753. *Habit*: Shrub. *Local name*: Tagor. *Fl. & fr.*: May-January. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI (DACB).

71. Asclepiadaceae Borkh. (1797)

Calotropis gigantea (L.) Dryand., Hortus Kew 2: 78. 1811. *Asclepias gigantea* L., Sp. Pl. 214. 1753. *Habit*: Shrub. *Local name*: Akanda. *Fl. & fr.*: April-August. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1947 (DACB).

Hoya parasitica (Roxb.) Wall. ex Wight, Contr. Bot. India: 37. 1832. *Asclepias parasitica* Roxb. 1834. *Habit*: Herb. *Local name*: Chagal kan pata gachh. *Fl. & fr.*: March-October. *Use*: Medicine. *Status of occurrence*: Common. *Specimens examined*: Barkal, 7 xii 2015, K.K. Islam, KKI1895 (DACB).

Myriopterion extensum (Wight & Arn.) K. Schum., Nat. Pflanzenfam. 4(2): 215. 1895. *Streptocaulon extensum* Wight & Arn., Contr. Bot. India 65. 1834. *Habit*: Climber. *Local name*: Dudh kamranga lata. *Fl. & fr.*: May-December. *Use*: Medicine. *State of occurrence*: Threatened. *Specimens examined*: Barkal sadar, 14 iv 2016, S. Rana, Rana100 (DACB). (Pl. 3d)

Oxystelma exculentum (L.f.) R.Br. ex. Schult. 1820. *Periploca secamone* L. (1771). *Habit*: Climber. *Local name*: Dudhia lata, Dudh lata. *Fl. & fr.*: August-September. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: 27 xii 2015, N. Rahman, NR136 (DACB). (Pl. 1b)

72. Solanaceae Juss. (1789)

Capsicum annum L., Sp. Pl. 188. 1753. *Capsicum frutescens* L., Sp. Pl. 189. 1753. *Habit*: Herb. *Local name*: Kachamorich. *Fl. & fr.*: throughout the year. *Use*: Spice. *State of occurrence*: Planted. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K.Islam, KKI2202 (DACB).

Cestrum nocturnum L., Sp. Pl. 191. 1753. *Cestrum suberosum* Jacq., Pl. Hort. Schoenbr. 4: 26. 1804. *Habit*: Shrub. *Local name*: Rojonigonda. *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2205 (DACB).

Datura metel L., Sp. Pl. 179. 1753. *Datura fastuosa* L., Syst. Nat. 2: 932. 1759. *Habit*: Shrub. *Local name*: Dutura. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2105 (DACB). (Pl. 7a)

Nicotiana tabacum L., Sp. Pl. 180. 1753. *Nicotiana latissima* Mill., Gard. Dict. 1768. *Habit*: Herb. *Local name*: Tamak. *Fl. & fr.*: December-May. *Use*: Smoked. *State of occurrence*: Cultivated. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2199 (DACB).

Physalis angulata L., Sp. Pl. 183. 1753. *Physalis ramosissima* Mill., Gard. Dict. 1768. *Habit*: Herb. *Local name*: Fotka. *Fl. & fr.*: February-August. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 xii 2015, K.K. Islam, KKI1949 (DACB).

Physalis minima L., Sp. Pl. 183. 1753. *Physalis parviflora* R. Br., Prodr. 447. 1810. *Habit*: Herb. *Local name*: Fotki. *Fl. & fr.*: February-August. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: 26 xii 2015, NR124 (DACB).

Solanum indicum Swartz., Nov. Gen. Sp. Pl. Prodr.: 47. 1788. *Solanum ferrugineum* Jack. 1798. *Habit*: Shrub. *Local name*: Gota begun. *Fl. & fr.*: January-December. *Use*: Tender fruit edible. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K.Islam, KKI1787 (DACB).

Solanum torvum Sw., Prodr. 47. 1788. *Solanum mayanum* Lundell. 1942. *Habit*: Shrub. *Local name*: Gota begun. *Fl. & fr.*: January-December. *Use*: Tender fruit edible. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K.Islam, KKI2008 (DACB).

Solanum violaceum Ortega, Nov. Pl. Descr. Dec. 56. 1798. *Solanum chinense* Dunal, Hist. Nat. Solanum 240. 1813. *Habit*: Herb. *Local name*: Rambegun. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K.Islam, KKI2174 (DACB).

73. Convolvulaceae Juss. (1789)

Argyrea nervosa (Burm.f) Bojer, Hortus Maurit 224. 1837. *Argyrea speciosa* (L.f.) Sweet, Hort. Brit. 289. 1827. *Habit*: Climber. *Local name*: Bara Dudhi. *Fl. & fr.*: May-December. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2299 (DACB)

Argyrea capitiformis (Poir.) Ooststr., Fl. Malesiana 6(6): 941. 1972. *Convolvulus capitiformis* Poir., Encycl., Suppl. 3(2): 469. 1814. *Habit*: Climber. *Local name*: Vogelata. *Fl. & fr.*: November-March. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K.Islam, KKI2037 (DACB). **(Pl. 7f)**

Bonamia semidigyna (Roxb.) Hallier f., Bot. Jahrb. Syst. 16: 528. 1893. *Convolvulus semidigynus* Roxb., Fl. India 2: 47. 1824. *Habit*: Climber. *Fl. & fr.*: October-January. *State of occurrence*: Common. *Specimens examined*: 27 xii 2015, N. Rahman, NR136 (DACB).

Erycibe peguensis (C.B. Clarke) Prain, J. Asiat. Soc. Bengal 63(2): 83. 1894. *Erycibe paniculata* Roxb. var. *peguensis* C. B. Clarke., Fl. Brit. India 4: 181. 1883. *Habit*: Shrub. *Fl. & fr.*: October-January. *Use*: Ornamental. *State of occurrence*: Very rare. *Specimens examined*: Barkal, 7 xii 2015, K.K.Islam, S150 (DACB). **(Pl. 12a)**

Ipomoea aquatica Forssk., Fl. Aegypt.-Arab. 44. 1775. *Ipomoea repens* Roth, Nov. Pl. Sp. 110 1821. *Habit*: Climber. *Local name*: Kalmi Shak. *Fl. & fr.*: January-December. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K.Islam, KKI2179 (DACB).

Ipomoea batatas (L.) Lam., Tabl. Encycl. 1: 465. 1793. *Convolvulus batatas* L., Sp. Pl. 1: 154 . 1753. *Habit*: Herb. *Local name*: Misti Aloo, Ranga Aloo. *Fl. & fr.*: December-May. *Use*: Vegetable. *State of occurrence*: Cultivated. *Specimens examined*: 27 xii 2015, N. Rahman, NR137 (DACB).

Ipomoea hederifolia L., Syst. Nat. 2: 925. 1759. *Ipomoea angulata* Lam., Tabl. Encycl. 1: 464. 1791. *Habit*: Herb. *Fl. & fr.*: November-March. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1935 (DACB).

Ipomoea aculeata var. mollissima (Zoll.) Hallier f. ex Ooststr., Blumea 3(3): 574. 1940. *Calonyction mollissimum* Zoll., Syst. Verz. 1854. *Habit*: Climber. *Fl. & fr.*: October-January. *State of occurrence*: Rare. *Specimens examined*: 22 xii 2015, N. Rahman, NR70 (DACB).

Jacquemontia paniculata (Burm. f.) Hallier f., Bot. Jahrb. Syst. 16(4): 541. 1893. *Ipomoea paniculata* Burm. f., Fl. Indica. 1768. *Habit*: Climber. *Fl. & fr.*: October-January. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1826 (DACB).

Lepistemon binectariferum (Wall.) Kuntze, Revis. Gen. Pl. 1: 446. 1891. *Convolvulus binectarifer* Wall., Fl. Indica 2: 47. 1824. *Habit*: Climber. *Fl. & fr.*: September-March. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K.Islam, KKI1841 (DACB). **(Pl. 6b)**

Limnophila sessiliflora (Vahl) Blume. *Habit*: Aquatic herb. *Local name*: Bamon keshori. *Fl. & fr.*: December-January. *State of occurrence*: Common. *Specimens examined*: Barkal, 10 iv 2016, K.K.Islam, KKI (DACB).

Merremia vitifolia (Burm. f.) Hallier f., Bot. Jahrb. Syst. 16: 552. 1893. *Convolvulus vitifolius* Burm. f., Fl. Indica. 1768. *Habit*: Climber. *Fl. & fr.*: January-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Vigikiging, Balukhali, 17 i 2016, K.K.Islam, KKI2221 (DACB).

Merremia gemella (Burm. f.) Hallier f., Bot. Jahrb. Syst. 16: 552, in obs. 1893. *Convolvulus gemellus* Burm. f., Fl. Indica 46, Pl. 21. 1768. *Habit*: Climber. *Fl. & fr.*: December-February. *State of occurrence*: Common. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2158 (DACB). **(Pl. 2d)**

Merremia umbellata (L.) Hallier f., Bot. Jahrb. Syst. 16 (4-5): 552. 1893. *Convolvulus umbellatus* L., Sp. Pl. 1: 155. 1753. *Habit*: Climber. *Fl. & fr.*: Decenber-January. *State of occurrence*: Common. *Specimens examined*: 25 xii 2015, N. Rahman, NR119 (DACB).

Operculina turpethum (L.) Silva Manso, Enum. Subst. Braz. 16. 1836. *Convolvulus turpethum* L., Sp. Pl. 1: 155. 1753. *Habit*: Herb. *Local name*: Dudkolmi. *Fl. & fr.*: December-January. *State of occurrence*: Rare. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2165 (DACB).

74. Cuscutaceae Dumort. (1829)

Cuscuta reflexa Roxb., Pl. Coromandel 2: 104. 1798. *Cuscuta macrantha* G. Don, Gen. Hist. 4: 305. 1838. *Habit*: Parasite. *Local name*: Swarnalata. *Fl. & fr.*: August-March. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1936 (DACB).

75. Hydrophyllaceae R.Br. (1817)

Hydrolea zeylanica (L.) Vahl, Symb. Bot. 2: 46. 1791. *Nama zeylanica* L., Sp. Pl. 226. 1753. *Habit*: Herb. *Local name*: Kasschara, Ishalanguli. *Fl. & fr.*: October-March. *Use*: Weed, Cattle feed. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2093 (DACB). **(Pl. 2a)**

76. Boraginaceae Juss. (1789)

Cordia dichotoma Forst. F., Fl. Ins. Austr. 18. 1786. *Cordia latifolia* Roxb., Fl. Indica 2: 330. 1824. *Habit*: Tree. *Local name*: Ball-guta, Boula, Bohary, Bohal. *Fl. & fr.*: February-August. *Use*: Gum. *State of occurrence*: Common. *Specimens examined*: 24 xii 2015, NR77 (DACB).

Heliotropium indicum L., Sp. Pl. 139. 1753. *Heliotropium foetidum* Salisb, Prodr. Stirp. Chap. Allerton 112. 1796. *Habit*: Herb. *Local name*: Hatisur, hatisura. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1917 (DACB).

Tournefortia roxburghii C.B. Clarke, Fl. Brit. India 4: 146. 1883. *Heliotropium paniculatum* Roxb. 1814. *Habit*: Shrub. *Local name*: Shamshog. *Fl. & fr.*: April-February. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1824 (DACB). **(Pl. 6f)**

77. Verbenaceae Saint-Hilaire (1805)

Callicarpa arborea Roxb., Fl. Indica 1: 405. 1820. *Premna arborea* (Roxb.) Roth., Nov. Pl. Sp. 287. 1821. *Habit*: Tree. *Local name*: Bormala. Khoja. *Fl. & fr.*: May-November. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2317 (DACB).

Callicarpa longifolia Lam., Encycl. 1: 563. 1785. *Callicarpa lanceolaria* Roxb, Fl. Indica 1: 395. 1820. *Habit*: Shrub. *Fl. & fr.*: July-February. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1808 (DACB).

Clerodendrum glandulosum Lindl., Edwards's Bot. Reg. 30. 1844. *Clerodendrum colebrookianum* Walp., Repert. Bot. Syst. 4: 114. 1845. *Habit*: Shrub. *Local name*: Bonbhati. *Fl. & fr.*: May-October. *Use*: Vegetable. *State of occurrence*: Rare. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2050 (DACB).

Clerodendrum indicum (L.) Kuntze, Revis. Gen. Pl. 2: 586. 1891. *Siphonanthus indicus* L., Sp. Pl. 109. 1753. *Habit*: Shrub. *Local name*: Bamunhatti, Bonchat. *Fl. & fr.*: April-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1914 (DACB).

Clerodendrum wallichii Merr., J. Arnold Arbor. 33: 220. 1952. *Clerodendrum nutans* Wallich ex. D. Don (1825). *Habit*: Shrub. *Local name*: Dieng-Julkah. *Fl. & fr.*: May-December. *Use*:

Ornamental. *State of occurrence*: Rare. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1924 (DACB). **(Pl. 8d)**

Clerodendrum viscosum Vent., Jard. Malm. 1: 25. 1803. *Clerodendrum infortunatum* Lour. 1790. *Habit*: Shrub. *Local name*: Sada bhatful, Ghetuphul, Ghetu. *Fl. & fr.*: January-July. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI2034 (DACB).

Congea tomentosa Roxb., Pl. Coromandel 3: 90. 1820. *Congea villosa* (Roxb.) Wight, Icon. Pl. India Orient. 1849. *Habit*: Shrub. *Local name*: Kongia. *Fl. & fr.*: December-April. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1930 (DACB). **(Pl. 12b)**

Duranta erecta L., Sp. Pl. 637. 1753. *Duranta repens* L. Sp. Pl. 637. 1753. *Habit*: Shrub. *Local name*: Kantamehedi. *Fl. & fr.*: Throughout the year. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: East hill, Barkal, 10 xii 2015, K.K. Islam, KKI1950 (DACB).

Gmelina arborea Roxb., Hort. Bengal. 46. 1814. *Gmelina sinuata* Link., Enum. Hort. Berol. Alt. 2: 128. 1822. *Habit*: Tree. *Local name*: Gamar, Gamari. *Fl. & fr.*: February-July. *Use*: Timber. *State of occurrence*: Planted. *Specimens examined*: 24 xii 2015, N. Rahman, NR99 (DACB).

Holmskioldia sanguinea Retz., Observ. Bot. 6: 31. 1791. *Hastingia scandens* Roxb, Fl. Indica 3: 66. 1832. *Habit*: Shrub. *Local name*: Bhuddhaful, Kushumika. *Fl. & fr.*: October-August. *Use*: Ornamental. *State of occurrence*: Planted. *Specimens examined*: Beganachara, 8 i 2016, K.K. Islam, KKI2052 (DACB). **(Pl. 9d)**

Lantana camara L., Sp. Pl. 627. 1753. *Camara vulgaris* Benth., Bot. Voy. Sulphur 154. 1846. *Habit*: Shrub. *Local name*: Guay Ganda, Urusia. *Fl. & fr.*: Throughout the year. *Use*: Soil binder. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1989 (DACB).

Lippia alba (Mill.) N.E.Br. ex Britton & P. Wilson, Bot. Porto Rico 6: 141. 1925. *Lantana alba* Mill., Gard. Dict. 1768. *Habit*: Shrub. *Local name*: Pichas-lakri, Pichas-bon. *Fl. & fr.*: Throughout the year. *Use*: Soil binder. *State of occurrence*: Common. *Specimens examined*: Dhandachara, 5 i 2016, K.K. Islam, KKI1797 (DACB).

Phyla nodiflora (L.) Greene, Pittonia 4: 46. 1899. *Verbena nodiflora* L., Sp. Pl. 20. 1753. *Habit*: Herb. *Local name*: Bhuiokra. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 10 iii 2016, R. Rahman, RR520 (DACB).

Premna esculenta Roxb., Fl. Indica 3: 81. 1832. *Habit*: Shrub. *Local name*: Lalana, lalong. *Fl. & fr.*: April-August. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2160 (DACB). **(Pl. 4d)**

Tectona grandis L. f., Suppl. Pl. 151. 1782. *Theka grandis* (L.f.) Lam., Tabl. Encycl. 2: 111. 1797. *Habit*: Tree. *Local name*: Segun. *Fl. & fr.*: July-November. *Use*: Timber. *State of occurrence*: Planted. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2155 (DACB).

Vitex peduncularis Wall. ex Schauer, Prodr. 11: 687. 1847. *Vitex peduncularis* var. *roxburghiana* C.B. Clarke, Fl. Brit. India 4: 587. 1885. *Habit*: Tree. *Local name*: Baruna, Goda, Horina. *Fl. & fr.*: April-September. *Use*: Fire wood. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1857 (DACB).

78. Lamiaceae Martinov (1820)

Ajuga macrosperma Wall. ex Benth., Pl. Asiat. Rar. 1: 58 (830). *Ajuga repens* Roxb. 1832. *Habit*: Herb. *Fl. & fr.*: October-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Nabangarchara, Mogban, 14 i 2016, K.K. Islam, KKI2194 (DACB).

Anisomeles indica (L.) Kuntze, Revis. Gen. Pl. 2: 512. 1891. *Ajuga disticha* (L.) Roxb., Hort. Bengal. 44. 1814. *Habit*: Herb. *Local name*: Gobura; *Fl. & fr.*: October-July. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1829 (DACB).

Gomphostemma parviflorum Wall. ex Benth., Pl. Asiat. Rar. 2: 12. 1830. *Gomphostemma multiflorum* Benth., Prodr. 12: 552 (1848). *Habit*: Herb. *Local name*: Jateri Bormala. *Fl. & fr.*: September-August. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1801 (DACB).

Gomphostemma salarkhaniana Khanam & M. A. Hassan, Bangladesh J. Bot. 32: 63. 2003. *Habit*: Herb. *Fl. & fr.*: September-December. *State of occurrence*: Rare. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2212 (DACB).

Hyptis brevipes (L.) Poit., Ann. Mus. Hist. Nat. 7: 465. 1806. *Hyptis acuta* Benth., Linnaea 6: 82. 1881. *Habit*: Herb. *Fl. & fr.*: October-February. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 i 2016, K.K. Islam, KKI2014 (DACB).

Hyptis capitata Jacq., Collectanea 1: 102. 1787. *Clinopodium capitatum* (Jacq.) Sw., Prodr. Veg. India Occ. 88. 1788. *Habit*: Herb. *Fl. & fr.*: November-June. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1926 (DACB).

Hyptis suaveolens (L.) Poit., Ann. Mus. Hist. Nat. 7: 472. 1806. *Ballota suaveolens* L., Syst. Nat. 2: 1100. 1759. *Habit*: Herb. *Local name*: Bilati tulusi, Tukma; *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 18 xii 2015, N. Rahman, NR05 (DACB).

Leucas biflora (Vahl) Benth., Cycl. 20(2): 7. 812. *Phlomis biflora* Vahl, Symb. Bot. 3: 77. 1794. *Habit*: Herb. *Fl. & fr.*: January-July. *State of occurrence*: Very rare. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI1953 (DACB). **(Pl. 5b)**

Leucas aspera (Willd.) Link, Enum. Hort. Berol. Alt. 2: 113. 1822. *Phlomis aspera* Willd., Enum. Pl. 621. 1809. *Habit*: Shrub. *Local name*: Bara-halkus. *Fl. & fr.*: December-March. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 xii 2015, K.K. Islam, KKI1951 (DACB).

Leucas cephalotes (Roth) Spreng., Syst. Veg. 2: 743. 1825. *Phlomis cephalotes* Roth, Nov. Pl. Sp. 262. 1821. *Habit*: Herb. *Local name*: Bara-halkus. *Fl. & fr.*: April-December. *State of occurrence*: Common. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2215 (DACB).

Leucas zeylanica (L.) W.T. Aiton, Hortus Kew. 3: 409. 1811. *Phlomis zeylanica* L., Sp. Pl. 586. 1753. *Habit*: Herb. *Local name*: Setodron. *Fl. & fr.*: May-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 26 xii 2015, K.K. Islam, KKI125 (DACB).

Ocimum tenuiflorum L., Sp. Pl. 597. 1753. *Ocimum sanctum* L., Mant. Pl. 1: 85. 1767. *Habit*: Shrub. *Local name*: Kalo tulusi. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Suvolong, 13 i 2016, K.K. Islam, KKI2157 (DACB).

79. Oleaceae Hoffmann. (1809)

Jasminum listeri King ex Gage, Rec. Bot. Surv. India 1: 349. 1901. *Nyctanthes multiflora* Burm. f., Fl. Indica 5. 1768. *Habit*: Shrub. *Local name*: Chemelia, Kundphul. *Fl. & fr.*: March-July. *Use*: Ornamental. *State of occurrence*: Common. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2244 (DACB).

Myxopyrum smilacifolia (Wall.) Blume, Mus. Bot. 1: 320. 1851. *Myxopyrum serratum* A.W. Hill, Bull. Misc. Inform. Kew. 1910. *Habit*: Shrub. *Fl. & fr.*: April-September. *State of occurrence*: Rare. *Specimens examined*: 22 xii 2015, N. Rahman, NR68 (DACB).

80. Scrophulariaceae Juss. (1789)

Limnophila indica (L.) Druce, Rep. Bot. Exch. Club Soc. Brit. Isles 3: 420. 1914. *Hottonia indica* L., Sp. Pl. 1762. *Habit*: Herb. *Local name*: Pani karpur. *Fl. & fr.*: February-October. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2170 (DACB).

Limnophila rugosa (Roth) Merr., Interpr. Herb. Amboin. 466. 1917. *Habit*: Herb. *Fl. & fr.*: September-December. *Use*: Weed. *State of occurrence*: Rare. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2146 (DACB).

Limnophila sessiliflora (Vahl) Blume, Bijdr. 749. 1826. *Hottonia sessiliflora* Vahl, Symb. Bot. 2: 35. 1791. *Habit*: Aquatic herb. *Fl. & fr.*: July-January. *State of occurrence*: Common. *Specimens examined*: Borkal sadar, 9 xii 2015; Sohail, S125 (DACB). (Pl. 2f)

Lindernia antipoda (L.) Alston, Handb., Fl. Ceylon 6 (Suppl.): 214. 1931. *Ruellia antipoda* L., Sp. Pl. 635. 1753. *Habit*: Herb. *Fl. & fr.*: Throughout the year. *Use*: Weed. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2088 (DACB).

Lindernia crustacea (L.) F. Muell., Syst. Census Austral. Pl. 97. 1882. *Torenia crustacea* (L.) Cham. & Schtdl., Linnaea 2: 570. 1827. *Habit*: Herb. *Fl. & fr.*: April-December. *State of occurrence*: Common. *Specimens examined*: Imachara, 11 i 2016, K.K. Islam, KKI2088 (DACB).

Lindernia procumbens (Krocker) Philcox, Taxon 14: 30. 1965. *Anagalloides procumbens* Krock. Fl. Siles. 2(1): 398. 1790. *Habit*: Herb. *Local name*: Bakpuspa. *Fl. & fr.*: July-December. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2204 (DACB).

Lindernia pusilla (Willd.) Boldingh, Zakfl. Java: 165. 1916. *Gratiola pusilla* Willd., 1797. *Habit*: Herb. *Fl. & fr.*: January-April. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, 16 iv 2016, Joyanto shaha, J272 (DACB).

Lindernia ruellioides (Colsm.) Pennell, Brittonia 2: 182. 1936. *Ilysanthes ruellioides* (Colsm.), Kuntze, Revis. Gen. Pl. 2: 162. 1891. *Habit*: Herb. *Fl. & fr.*: May-January. *State of occurrence*: Rare. *Specimens examined*: Sitapahar, kaptai, 22 i 2016, K.K. Islam, KKI2313 (DACB).

Mecardonia procumbens (Mill.) Small, Fl. S.E. U.S. 1065. 1903. *Erinus procumbens* Mill., Gard. Dict. 1768. *Habit*: Herb. *Fl. & fr.*: February-June. *Use*: Weed. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 xii 2015, K.K. Islam, KKI1952 (DACB).

Scoparia dulcis L., Sp. Pl. 116. 1753. *Ambulia micrantha* Raf., Autik. Bot. 44. 1840. *Habit*: Shrub. *Local name*: Ban dhane. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2177 (DACB).

Torenia violacea (Azaola ex Blanco) Pennell, J. Arnold Arbor. 24(3): 255. 1943. *Mimulus violaceus* Azaola ex Blanco, Fl. Filip. 1845. *Habit*: Herb. *Local name*: Begunia. *Fl. & fr.*: December-February. *Use*: Weed. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI2005 (DACB).

81. Acanthaceae Juss. (1789)

Eranthemum strictum Colebr. ex Roxb., Fl. Indica 1: 114. 1820. *Daedalacanthus strictus* (Colebr. ex Roxb.) T. Anderson; J. Linn. Soc., Bot. 9: 487. 1867. *Habit*: Herb. *Fl. & fr.*: January-May. *State of occurrence*: Rare. *Specimens examined*: 27 xii 2015, N. Rahman, NR138 (DACB).

Hygrophila erecta (Burm. f.) Hochr., Candollea 5: 230. 1934. *Ruellia erecta* Burm. f., Fl. Indica. 1768. *Habit*: Herb. *Fl. & fr.*: October-January. *State of occurrence*: Rare. *Specimens examined*: Dulichari, 18 i 2016, K.K. Islam, KKI2253 (DACB).

Lepidagathis incurva Buch.-Ham. *ex* D. Don, Prodr. Fl. Nepal: 119. 1825. *Lepidagathis hyalina* Nees., Pl. Asiat. Rar. 3: 95. 1832. *Habit*: Herb. *Fl. & fr.*: March-May. *State of occurrence*: Common. *Specimens examined*: Suvolong, 12 i 2016, K.K. Islam, KKI2132 (DACB).

Nelsonia canescens (Lam.) Spreng, Syst. Veg. 1: 42. 1824. *Justicia canescens* Lam., Tabl. Encycl. 1: 41. 1791. *Habit*: Herb. *Local name*: Paramul. *Fl. & fr.*: October-February. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2181 (DACB).

Rungia pectinata (L.) Nees., Prodr. 11: 469. 1847. *Justicia pectinata* L., Amoen. Acad. 4: 299. 1760. *Habit*: Herb. *Local name*: Pindi, Punaka-pundu. *Fl. & fr.*: November-May. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1819 (DACB).

Staurogyne argentea Wall., Pl. As. Rar. 2: 80. 1831. *Staurogyne angustifolia* Wall., Numer. List 4906. 1831. *Habit*: Herb. *Fl. & fr.*: September-December. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1776 (DACB).

Strobilanthes persicifolia (Lindl.) R. I. Wood, Kew Bull. 64: 27. 2009. *Ruellia persicifolia* Lindl., Bot. Reg. 11. 1826. *Habit*: Shrub. *Fl. & fr.*: December-April. *State of occurrence*: Rare. *Specimens examined*: 20 xii 2015, N. Rahman, NR32 (DACB).

Strobilanthes rufescens (Roth) T. Anderson, J. Linn. Soc., Bot. 9: 472. 1867. *Buteraea ulmifolia* Nees, Pl. Asiat. Rar. 3: 84. 1832. *Habit*: Herb. *Fl. & fr.*: January-April. *State of occurrence*: Rare. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1788 (DACB).

Strobilanthes urticifolia Wall. *ex* Kuntze, Revis. Gen. Pl. 2: 499. 1891. *Strobilanthes attenuata* Nees, Prodr. 11: 193. 1847. *Habit*: Shrub. *Fl. & fr.*: February-June. *State of occurrence*: Rare. *Specimens examined*: 27 xii 2015, N. Rahman, NR139 (DACB).

Strobilanthes sp. *Habit*: Shrub. *Fl. & fr.*: January-February. *State of occurrence*: Rare. *Specimens examined*: Barkal sadar, 14 ii 2016, K.K. Islam, KKI3018 (DACB).

Thunbergia coccinea Wall., Tent. Fl. Napal 1: 48. 1826. *Habit*: Climber. *Fl. & fr.*: December-April. *Use*: Ornamental. *State of occurrence*: Rare. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2296 (DACB). (Pl. 2c)

Thunbergia grandiflora (Roxb. *ex* Rottl.) Roxb., Bot. Reg. 6: 6. 1820. *Flemingia grandiflora* Roxb. *ex* Rottl., Neue Schriften Ges. Naturf. Freunde Berlin 4:202. 1803. *Habit*: Climber. *Local name*: Nil lata. *Fl. & fr.*: May-November. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1786 (DACB).

82. Pedaliaceae R.Br. (1810)

Sesamum indicum L., Sp. Pl. 634. 1753. *Sesamum orientale* L., Sp. Pl. 634. 1753. *Habit*: Herb. *Local name*: Til. *Fl. & fr.*: February-October. *Use*: Oil. *State of occurrence*: Cultivated. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1990 (DACB).

83. Bignoniaceae Juss. (1789)

Oroxylum indicum (L.) Kurz, Forest Fl. Burma 2: 237. 1877. *Bignonia indica* L., Sp. Pl. 2: 625. 1753. *Habit*: Tree. *Local name*: Kanaidingi, Sanapatha, Shona. *Fl. & fr.*: June-March. *Use*: Vegetable. *State of occurrence*: Common. *Specimens examined*: 27 xii 2015, N. Rahman, NR140 (DACB). (Pl. 10d)

Stereospermum tetragonum DC., Biblioth. Universelle Genève n.s. 17: 124. 1838. *Stereospermum colais* (Buch.-Ham. *ex* Dillwyn) Mabb., Taxon 27: 553. 1979. *Habit*: Tree. *Local name*: Dharmara, Pahari-awal, Atkapali. *Fl. & fr.*: April-November. *Use*: Wood. *State of occurrence*: Common. *Specimens examined*: Suvolong, 12 i 2016, K.K. Islam, KKI2127 (DACB).

84. Lentibulariaceae Richard (1808)

Utricularia stellaris L.f., Suppl. Pl. 86. 1782. *Plectoma stellata* (L.f.) Raf., Fl. Tellur. 4: 110. 1838. *Habit*: Herb. *Local name*: Jhangi, Hijala, Hejla. *Fl. & fr.*: October-February. *State of occurrence*: Common. *Specimens examined*: Vigikiging, Balukhali, 17 i 2016, K.K. Islam, KKI2219 (DACB). **(Pl. 5a)**

85. Campanulaceae Juss. (1789)

Lobelia zeylanica L., Sp. Pl. 932. 1753. *Lobelia hirta* L., Sp. Pl. 932. 1753. *Habit*: Herb. *Fl. & fr.*: Throughout the year. *Use*: Vegetable. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam 1991 (DACB).

86. Sphenocleaceae Baskerville (1839)

Sphenoclea zeylanica Gaertn., Fruct. 1: 113. 1788. *Pongatium zeylanicum* (Gaertn.) Kuntze, Revis. gen. Pl. 2: 381. 1891. *Habit*: Herb. *Local name*: Jhil marich. *Fl. & fr.*: January-November. *Use*: Weed. *State of occurrence*: Common. *Specimens examined*: 28 xii 2015, N. Rahman, NR141 (DACB). **(Pl. 8a)**

87. Sonneratiaceae Engl. (1924)

Duabunga grandiflora (Roxb. ex DC.) Walp., Rep. 2: 114. 1843. *Lagerstroemia grandiflora* Roxb. ex DC. 1826. *Habit*: Tree. *Local name*: Lampati, Kacha, Bandarhola. *Fl. & fr.*: January-June. *Use*: Wood. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1910 (DACB).

88. Rubiaceae Juss. (1790)

Aidia pseudospicata Ridsdale, Blumea 41: 149. 1996. *Habit*: Tree. *Fl. & fr.*: April-December. *State of occurrence*: Common. *Specimens examined*: Barkal, 4 xii 2015, K.K. Islam, KKI1719 (DACB).

Cephalanthus occidentalis L., Sp. Pl. 95. 1753. *Cephalanthus acuminatus* Raf., New Fl. 3: 25. 1838. *Habit*: Tree. *Fl. & fr.*: March-August. *Use*: Firewood. *State of occurrence*: Planted. *Specimens examined*: Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI-2298 (DACB).

Gardenia coronaria Buch.-Ham., Embassy Ava 3: 307. 1809. *Gardenia costata* Roxb. Fl. Indica 2: 550. 1824. *Habit*: Tree. *Local name*: Bela, Ankamal, Botta. *Fl. & fr.*: March-December. *Use*: Timber. *State of occurrence*: Common. *Specimens examined*: 24 xii 2015, N. Rahman, NR82 (DACB).

Hymenodictyon orixense (Roxb.) Mabb., Taxon 31: 66. 1982. *Cinchona orixensis* Roxb., Bot. Descr. Swietenia 21. 1793. *Habit*: Tree. *Local name*: Bhuikadam, Gomria, Bhutum, Patty mormoijja. *Fl. & fr.*: July-February. *Use*: Dye. *State of occurrence*: Rare. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1850 (DACB). **(Pl. 2e)**

Hyptianthera stricta (Roxb.) Wight & Arn., Prodr. Fl. India, Orient. 399. 1834. *Randia stricta* Roxb., Fl. Indica 2: 145. 1924. *Habit*: Shrub. *Local name*: Tahi Seing. *Fl. & fr.*: Throughout the year. *State of occurrence*: Common. *Specimens examined*: Barkal, 5 xii 2015, K.K. Islam, KKI1882 (DACB).

Ixora coccinea L., Sp. Pl. 110. 1753. *Ixora bandhuca* Roxb., Fl. Indica 1: 386. 1820. *Habit*: Shrub. *Local name*: Rangan phul. *Fl. & fr.*: Throughout the year. *Use*: Ornamental, Medicinal. *State of occurrence*: Planted. *Specimens examined*: 25 xii 2015, N. Rahman, NR115 (DACB).

Mitragyna parvifolia (Roxb.) Korth., Observ. Naucl. Indic. 19. 1839. *Nauclea parvifolia* Roxb., Pl. Coromandel 1: 40. 1795. *Habit*: Tree. *Local name*: Dagrums, Keli kadam, Phuti kadam. *Fl. &*

fr.: November-January. *Use*: Firewood. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1937 (DACB). **(Pl. 6e)**

Mussaenda macrophylla Wall. Fl. Indica 1: 228. 1824. *Mussaenda hispida* D. Don, Prodr. Fl. Nepal. 139. 1825. *Habit*: Shrub. *Fl. & fr.*: May-November. *State of occurrence*: Common. *Specimens examined*: 25 xii 2015, N. Rahman, NR116 (DACB).

Mussaenda roxburghii Hook. f, Fl. Brit. India 3: 87. 1880. *Menestoria tocoyena* DC. Prodr. 4: 390. 1830. *Habit*: Shrub. *Local name*: Sildauro, Sichamba. *Fl. & fr.*: May-February. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 28 xii 2015, N. Rahman, NR142 (DACB).

Mycetia longifolia (Wall.) Kuntze, Revis. Gen. Pl. 1: 289. 1891. *Rondeleria longiflora* Wall., Fl. India 2: 137. 1824. *Habit*: Shrub. *Fl. & fr.*: June-March. *State of occurrence*: Common. *Specimens examined*: Barkal, 6 xii 2015, K.K. Islam, KKI1883 (DACB).

Neolamarckia cadamba (Roxb.) Bosser, Bull. Mus. Natl. Hist. Nat., B, Adansonia 6: 247. 1984. *Nauclea cadamba* Roxb., Fl. Indica 2: 121. 1824. *Habit*: Tree. Bul-kadam. *Fl. & fr.*: July-November. *Use*: Timber, Ornamental. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2183 (DACB).

Neonuclea sessilifolia (Roxb.) Merr., J. Wash. Acad. Sci. 5: 542. 1915. *Nauclea sessilifolia* Roxb., Fl. Indica ed 1820 2: 124. 1824. *Habit*: Tree. *Local name*: Kom. *Fl. & fr.*: August-May. *Use*: Fire wood. *State of occurrence*: Rare. *Specimens examined*: 28 xii 2015, N. Rahman, NR143 (DACB).

Oldenlandia corymbosa L., Sp. Pl. 119. 1753. *Hedyotis corymbosa* (L.) Lam, Encycl. 1: 272. 1791. *Habit*: Herb. *Local name*: Khet papra. *Fl. & fr.*: Throughout the year. *Use*: Weed. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 i 2016, K.K. Islam, KKI2098 (DACB).

Oldenlandia monocephala Kuntze, Revis. Gen. Pl. 1: 292. 1891. *Hedyotis brunonis* Merr., Philipp. J. Sci. 60: 35. 1936. *Habit*: Herb. *Fl. & fr.*: February-April. *State of occurrence*: Rare. *Specimens examined*: Balukhali, 16 i 2016, K.K. Islam, KKI2218 (DACB).

Oldenlandia verticillata L., Mant. Pl. 1: 40. 1767. *Hedyotis verticillata* (L.) Lam., Tabl. Encycl. 1: 271. 1791. *Habit*: Herb. *Fl. & fr.*: July-April. *State of occurrence*: Common. *Specimens examined*: Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2182 (DACB).

Ophiorrhiza mungos L., Sp. Pl. 150. 1753. *Ophiorrhiza ostindica* Christm. Vollst. Pflanzensyst. 5: 503. 1779. *Habit*: Herb. *Local name*: Kalashona; *Fl. & fr.*: Throughout the year. *State of occurrence*: Common. *Specimens examined*: Jaingarchara, 9 xii 2015, K.K. Islam, KKI1944 (DACB).

Oxyceros kunstleri (King & Gamble) Tirveng., Nordic J. Bot. 3: 466. 1983. *Randia kunstleri* King & Gamble, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 72: 216. 1903. *Habit*: Shrub. *Local name*: Echuri, Mahish Kanta. *Use*: Medicine. *State of occurrence*: Rare. *Specimens examined*: Dhandachara, 4 i 2016, K.K. Islam, KKI1994 (DACB).

Paederia foetida L. Mant. Pl. 1: 52. 1767. *Apocynum foetidum* Burm.f. Fl. Indica 71. 1768. *Habit*: Climber. *Local name*: Gandha Bhadali. *Fl. & fr.*: June-January. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: 25 xii 2015, N. Rahman, NR118 (DACB).

Paederia lanuginosa Wall., Pl. Asiat. Rar. 2: 52. 1831. *Paederia macrocarpa* Wall. ex G. Don Gen. Hist. 3: 56. 1834. *Habit*: Climber. *Fl. & fr.*: July-January. *Use*: Weeds. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 xii 2015, K.K. Islam, KKI1979 (DACB).

Psychotria adenophylla Wall., Fl. Indica 2: 166. 1824. *Uragoga adenophylla* (Wall.) Kuntze, Revis. Gen. Pl. 2: 959. 1891. *Habit*: Tree. *Local name*: Baro Sudma; *Fl. & fr.*: May-November.

Use: Medicine. *State of occurrence:* Common. *Specimens examined:* Sitapahar, Kaptai, 22 i 2016, K.K. Islam, KKI2316 (DACB).

Psychotria silhetensis Hook. f., Fl. Brit. India 3: 174. 1880. *Uragoga silhetensis* (Hook. f.) Kuntze, Revis. Gen. Pl. 2: 962. 1891. *Habit:* Shrub. *Fl. & fr.:* April-January. *State of occurrence:* Rare. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1810 (DACB).

Richardia scabra L., Sp. Pl. 330. 1753. *Richardsonia scabra* (L.) A. St.Hil., Pl. Usuel. Bras. 1824. *Habit:* Herb. *Fl. & Fr.:* May-November. *State of occurrence:* Common. *Specimens examined:* East hill, Barkal, 10 v 2016, R. Rahman, RR519 (DACB).

Tarenna campaniflora (Hook. f.) N. P. Balakr., Bull. Bot. Surv. India 22: 175. 1982. *Webera campaniflora* Hook. f., Fl. Brit. India 3: 106. 1880. *Habit:* Shrub. *Local name:* Haru lodi. *Fl. & fr.:* January-November. *Use:* Medicine. *State of occurrence:* Rare. *Specimens examined:* East hill, Barkal, 10 i 2016, K.K. Islam, KKI1992 (DACB). (Pl. 8b)

Uncaria macrophylla Wall., Fl. Indica 2: 132. 1824. *Uncaria sessilifolia* Roxb. ex Kurz, Forest Fl. Burma 2: 69. 1877. *Habit:* Climber. *Fl. & fr.:* December-February. *State of occurrence:* Common. *Specimens examined:* 25 xii 2015, N. Rahman, NR119 (DACB).

Uncaria scandens (Sm.) Hutch., Pl. Wilson. 3: 406. 1916. *Uncaria pilosa* Roxb. Fl. Indica 2: 130. 1824. *Habit:* Climber. *Local name:* Vailful lota. *Fl. & fr.:* October-March. *State of occurrence:* Common. *Specimens examined:* 25 xii 2015, N. Rahman, NR120 (DACB).

89. Asteraceae Martinov (1822)

Acmella radicans (Jacq.) R.K. Jansen, Syst. Bot Monogr. 8: 69. 1985. *Spilanthes radicans* Jack.. *Habit:* Herb. *Local name:* Nag phul. *Fl. & fr.:* December-January. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2176 (DACB). (Pl. 8c)

Adenostemma lavenia (L.) Kuntze, Revis. Gen. Pl. 1: 304. 1891. *Adenostemma elatum* D.Don. 1825. *Habit:* Herb. *Local name:* Boro kesuti. *Fl. & fr.:* November-January. *Use:* Weed. *State of occurrence:* Common. *Specimens examined:* Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2189 (DACB).

Ageratum conyzoides (L.) L., Sp. Pl. 839. 1753. *Habit:* Herb. *Local name:* Ochunti, Fulkuri. *Fl. & fr.:* *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, N. Rahman, NR100 (DACB).

Bidens pilosa L., Sp. Pl. 1753. *Bidens alba* (L.) DC., Prodr. 1836. *Habit:* Herb. *Fl. & fr.:* April-January. *State of occurrence:* Common. *Specimens examined:* Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2189 (DACB).

Blumea lacera (Burm.f.) DC. in Wight, Contr. Bot. India: 1834. *Conyza lacera* Burm. f. 1768. *Habit:* Herb. *Local name:* Shialmuthi, Kuksune, Kukurshunga. *Fl. & fr.:* November-July. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* 25 xii 2015, N. Rahman, NR117 (DACB).

Blumea lanceolaria (Roxb.) Druce. 1917. *Conyza lanceolaria* Roxb., Fl. Indica. 1832. *Habit:* Herb. *Fl. & fr.:* November-March. *State of occurrence:* Rare. *Specimens examined:* 26 i 2016, NR127 (DACB).

Carthamus tinctorius L., Sp. Pl.: 830. 1753. *Habit:* Herb. *Local name:* Kusum. *Fl. & fr.:* January-March. *Use:* Medicine. *State of occurrence:* Cultivated. *Specimens examined:* Barkal sadar, 14 v 2016, K.K. Islam, KKI3019 (DACB).

- Celosia argentea** L., Sp. Pl. 205. 1753. *Celosia comosa* Retz., Observ. Bot. 6: 26. 1791. *Habit:* Herb. *Local name:* Murogphul. *Fl. & fr.:* August-January. *Use:* Ornamental. *State of occurrence:* Cultivated. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI2189 (DACB).
- Chromolaena odorata** (L.) R.M. King & H. Rob., Phytologia 20: 204. 1970. *Eupatorium odoratum* L., Syst. Nat. 1759. *Habit:* Herb. *Local name:* Assam-lata. *Fl. & fr.:* November-March. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2188 (DACB).
- Dahlia pinnata** Cav., Icon. 1(3): 57. 1791. *Dahlia rosea* Cav., Icon. 3(2): 33. 1794. *Habit:* Herb. *Local name:* Dahlia; *Fl. & fr.:* December-January. *Use:* Ornamental. *State of occurrence:* Cultivated. *Specimens examined:* 25 xii 2015, N. Rahman, NR119 (DACB).
- Eclipta prostrata** (L.) L., Mant. Pl. 1771. *Eclipta alba* (L.) Hassk., Pl. Jav. Rar. 1848. *Habit:* Herb. *Local name:* Kalokeshi. *Fl. & fr.:* Throughout the year. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Dhandachara, 5 i 2016, K.K. Islam, KKI2020 (DACB).
- Elephantopus scaber** L., Sp. Pl. 1753. *Elephantopus carolinensis* G.Mey. 1818. *Habit:* Herb. *Fl. & fr.:* November-March. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Suvolong, 12 i 2016, K.K. Islam, KKI2141 (DACB).
- Enhydra fluctuans** Lour., Fl. Cochinch. 511. 1790. *Habit:* Aquatic herb. *Local name:* Helencha, Hinchashak, Harhach. *Fl. & fr.:* January-April. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* 18 xii 2015, N. Rahman, NR22 (DACB).
- Gynura procumbens** (Lour.) Merr., Enum. Philipp. Fl. Pl. 1923. *Cacalia procumbens* Lour., Fl. ochin. 485 (1790). *Habit:* Herb. *Local name:* Diabetes plant. *Fl. & fr.:* January-April. *Use:* Medicine. *State of occurrence:* Cultivated. *Specimens examined:* Barkal, 10 ii 2016, R. Rahman; RR518 (DACB).
- Laphangium luteoalbum** (L.) Tzvelev, Byull. Moskovsk. Obshch. Isp. Prir. Otd. Biol. 98(6): 105. 1993. *Gnaphalium luteoalbum* L., Sp. Pl. 851. 1753. *Habit:* Herb. *Local name:* Bara Kamra. *Fl. & fr.:* March-August. *State of occurrence:* Common. *Specimens examined:* 10 i 2016, K.K. Islam, KKI2077 (DACB).
- Mikania cordata** (Burm.f.) B.L. Rob., Contr. Gray Herb. 1934. *Mikania scandens* auct. non L. (1876). *Habit:* Climber. *Local name:* Tufani-lata. *Fl. & fr.:* October-February. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1814 (DACB).
- Pseudoelephantopus spicatus** (B. Juss. ex Aubl.) Gleason. *Habit:* Herb. *Fl. & fr.:* Throughout the year. *State of occurrence:* Common. *Specimens examined:* Nabangachara, Mogban, 14 i 2016, K.K. Islam, KKI2168 (DACB).
- Sphagneticola calendulacea** (L.) Pruski. 1996. *Wedelia chinensis* (Osbeck) Merr. 1917. *Habit:* Herb. *Local name:* Bangara, Bhimraj, Kesuria. *Fl. & fr.:* February-August. *Use:* Ornamental. *State of occurrence:* Common. *Specimens examined:* Baghaichari, 13 i 2016, K.K. Islam, KKI2161 (DACB).
- Spilanthes acmella** (L.) L., Syst. Veg. (ed. 13) 610. 1774. *Spilanthes calva* DC., Contr. Bot. India. 19. 1834. *Habit:* Herb. *Local name:* Surja Kanna. Akarkara. *Fl. & fr.:* December-March. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal, 4 xii 2015, K.K. Islam, KKI1763 (DACB).
- Synedrella nodiflora** (L.) Gaertn., Fruct. Sem. Pl. 2: 456. 1791. *Verbesina nodiflora* L., Cent. Pl. 1: 28. 1755. *Habit:* Herb. *Fl. & fr.:* Throughout the year. *Use:* Medicine. *State of occurrence:* Common. *Specimens examined:* Barkal sadar, 25 xii 2015, N. Rahman, NR119 (DACB).



Plate 1. Photographs of some representative flora. (a) *Ardisia humilis*. (b) *Oxystelma esculentum*. (c) *Mucuna monosperma*. (d) *Vernonia noveboracensis*. (e) *Harpullia arborea*. (f) *Neolitsea zeylanica*.

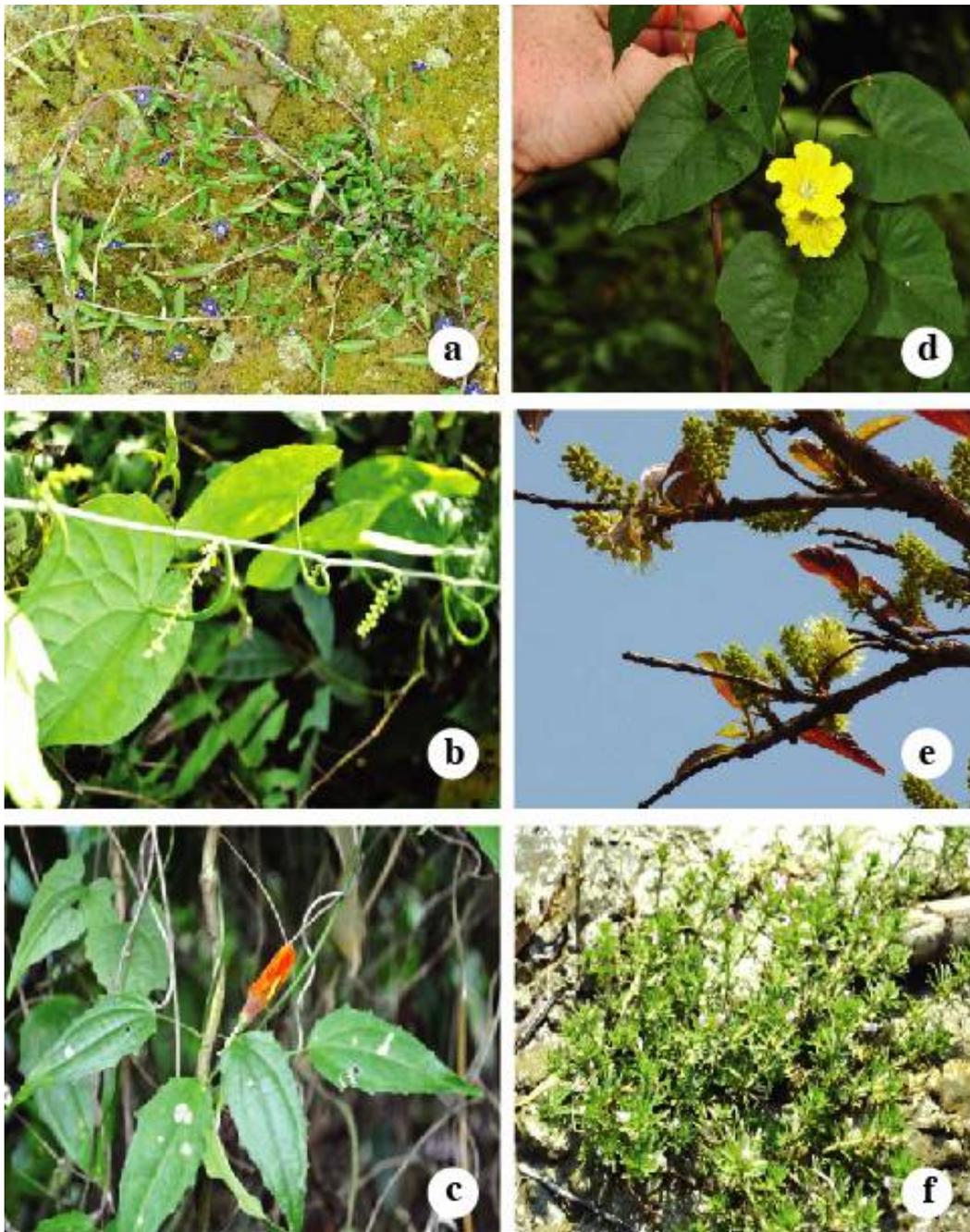


Plate 2. Photographs of some representative flora. (a) *Hydrolea zeylanica*. (b) *Natsiatum herpeticum*. (c) *Thunbergia coccinea*. (d) *Merremia gemella*. (e) *Hymenodictyon orixense*. (f) *Limnophila sessiliflora*.

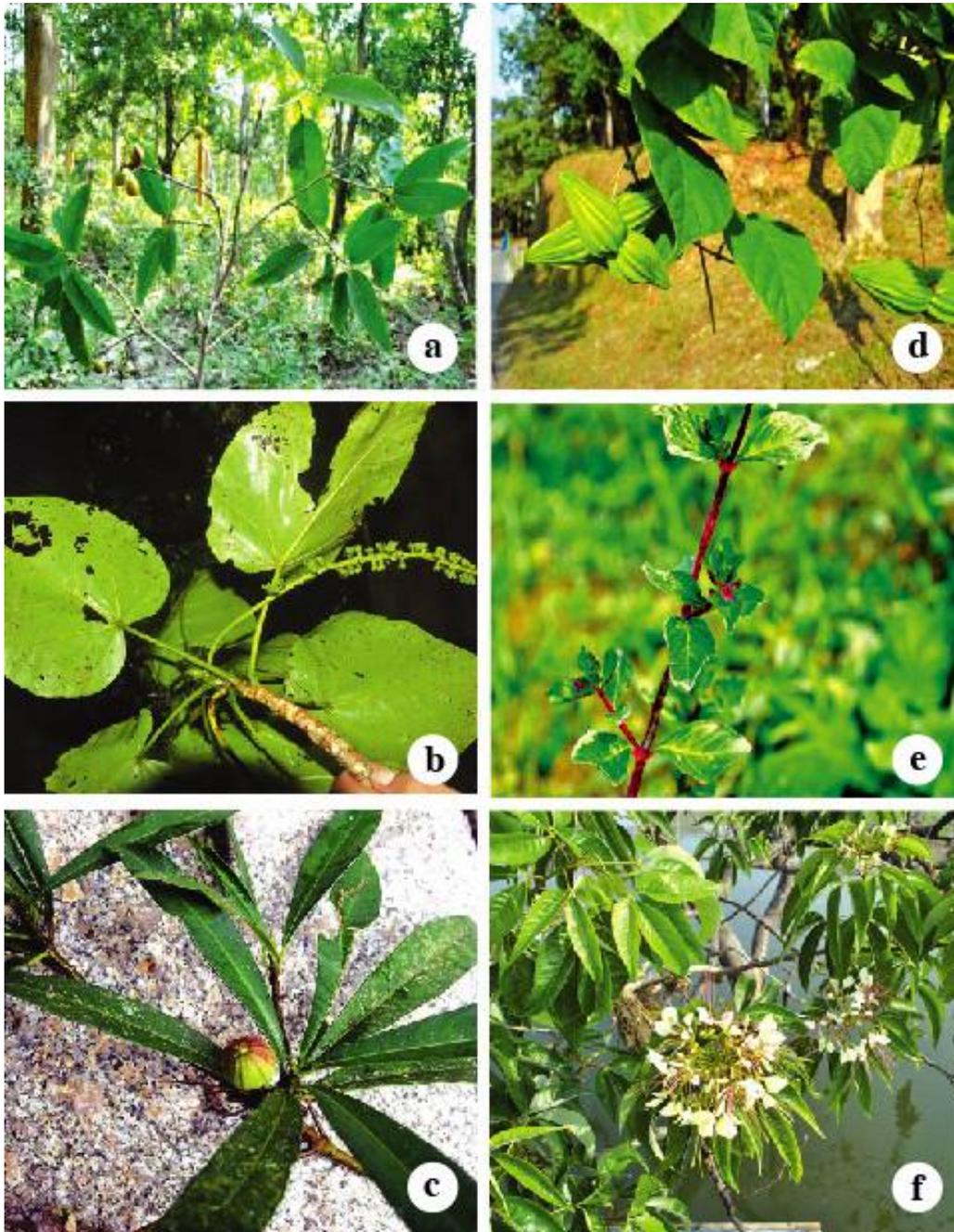


Plate 3. Photographs of some representative flora. (a) *Besha robusta*. (b) *Tetrameles nudiflora*. (c) *Ficus ischnopoda*. (d) *Myriopteron extensum*. (e) *Cuphea carthagenensis*. (f) *Crataeva magna*.

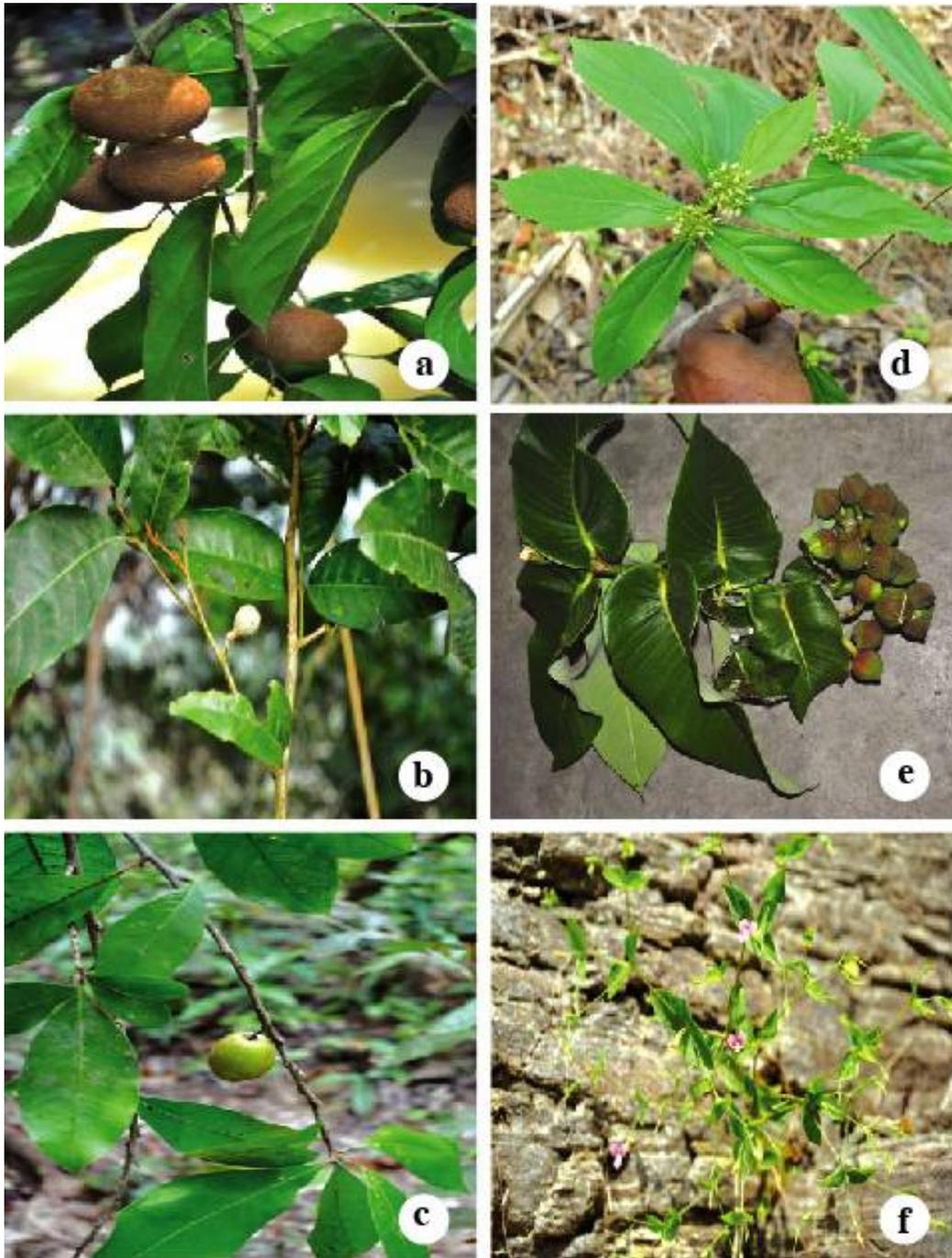


Plate 4. Photographs of some representative flora. (a) *Hydnocarpus kurzii*. (b) *Aglaiia chittagonga*. (c) *Palaquim polyanthum*. (d) *Premna esculenta*. (e) *Duabunga grandiflora*. (f) *Canscora diffusa*.

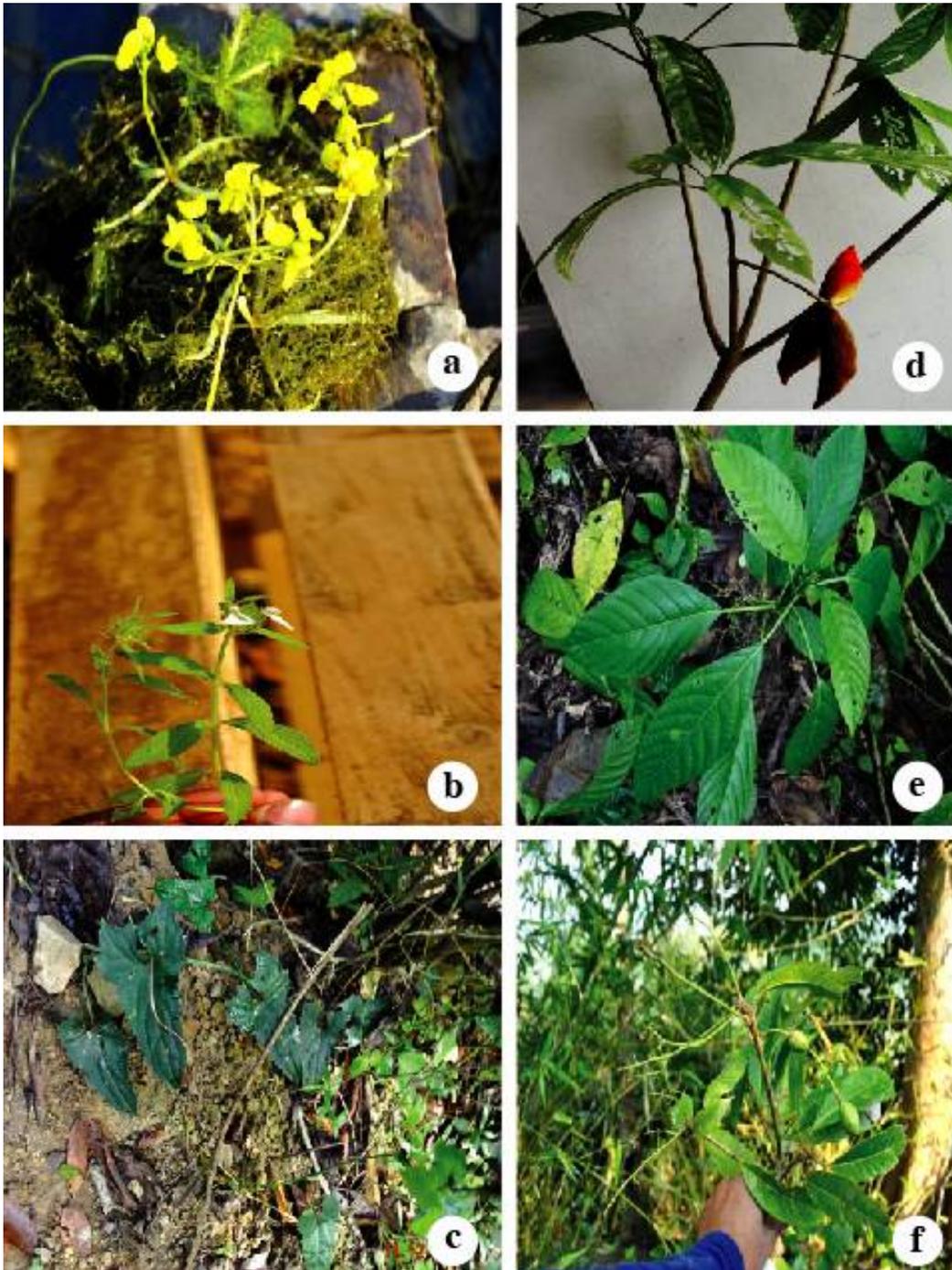


Plate 5. Photographs of some representative flora. (a) *Utricularia stellaris*. (b) *Leucas biflora*. (c) *Actinostemma tenerum*. (d) *Sterculia hamiltonii*. (e) *Dendrocnide sinuata*. (f) *Buchanania lancifolia*.

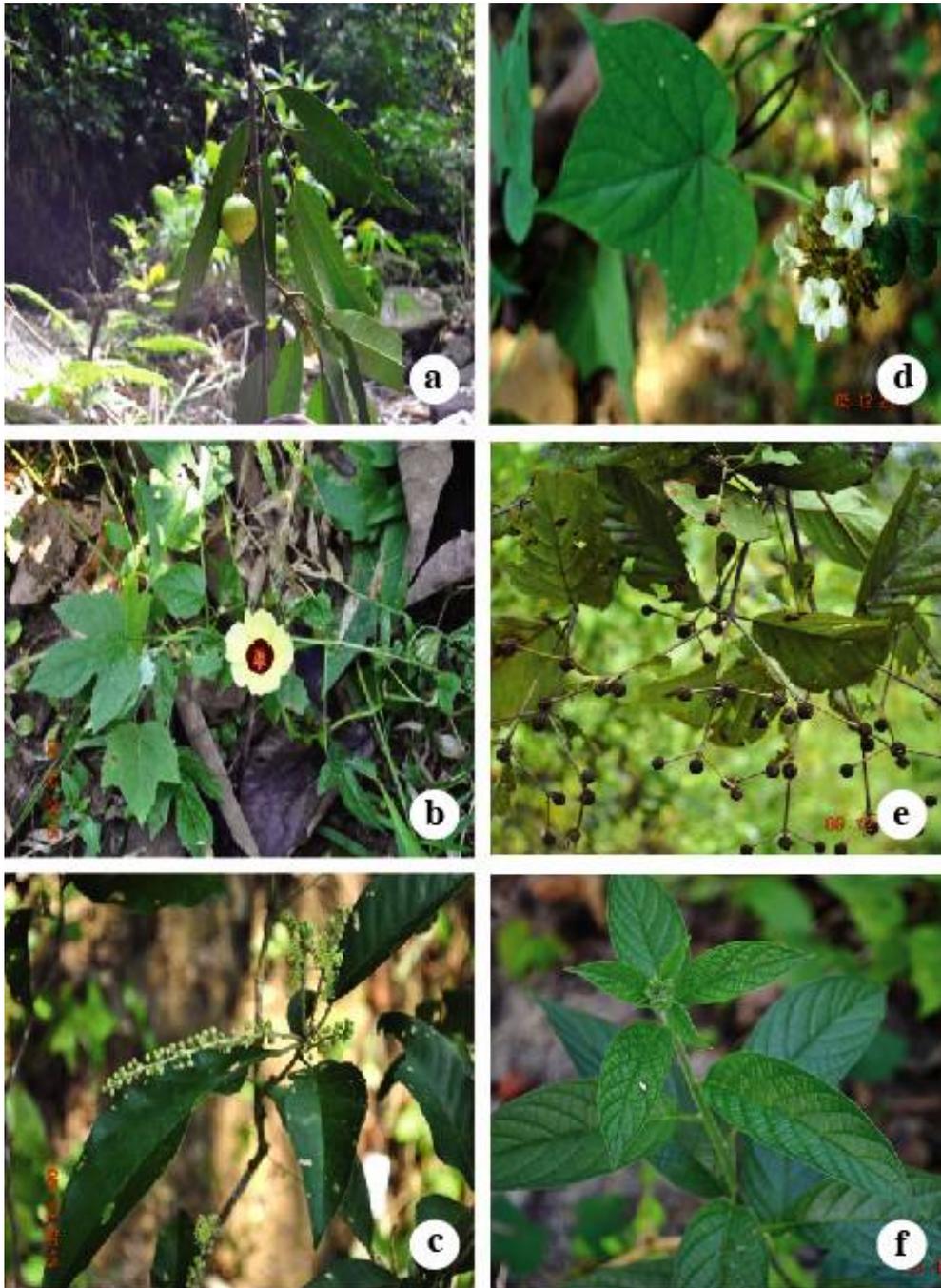


Plate 6. Photographs of some representative flora. (a) *Garcinia xanthochymus*. (b) *Hibiscus suratensis*. (c) *Croton roxburghii*. (d) *Lepistemon binectariferum*. (e) *Mitragyna parvifolia*. (f) *Tournifortia roxburghii*.



Plate 7. Photographs of some representative flora. (a) *Datura metel*. (b) *Actephila excelsa*. (c) *Beaumontia grandiflora*. (d) *Viscum orientale*. (e) *Cissus javana*. (f) *Argyreia capitiformis*.

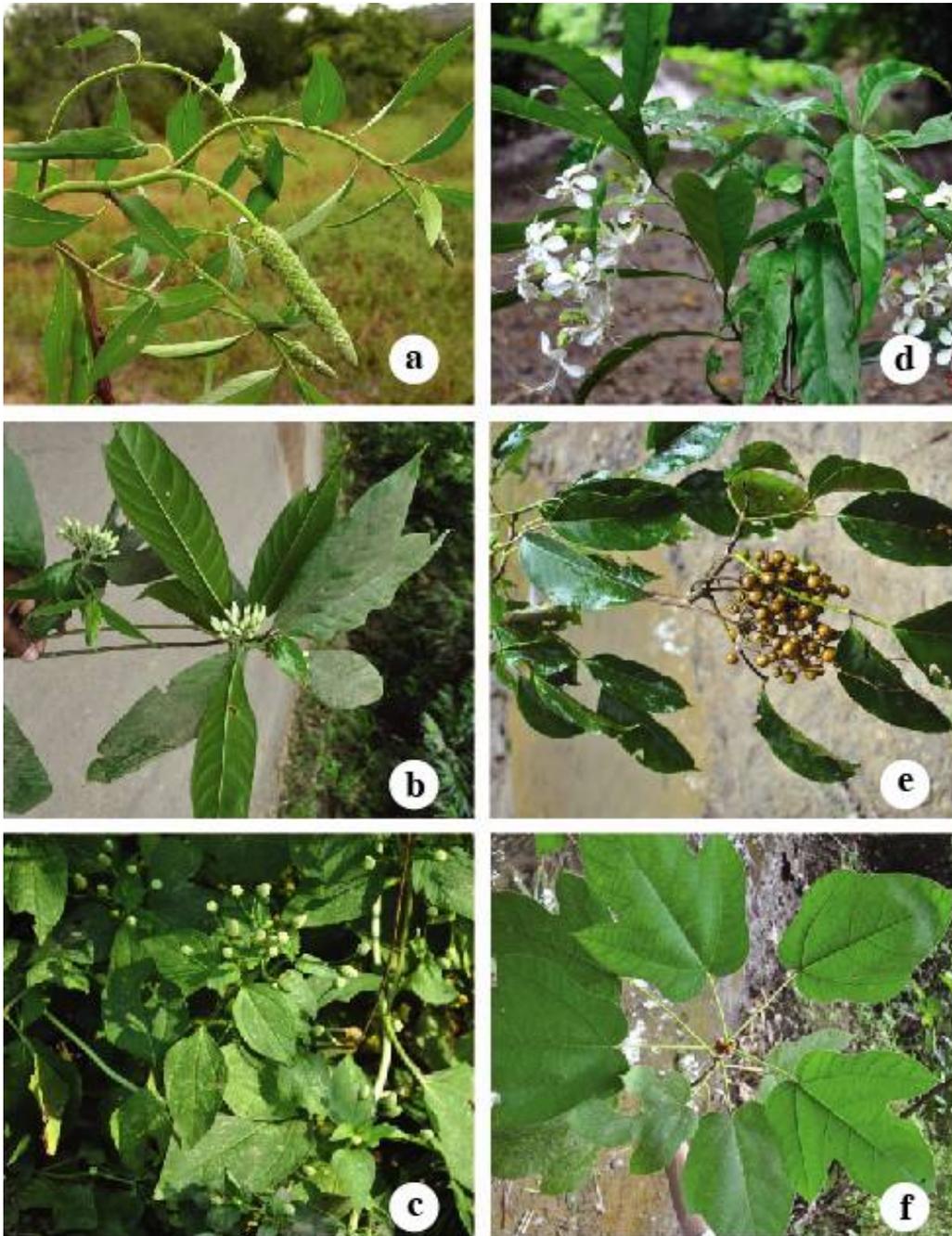


Plate 8. Photographs of some representative flora. (a) *Sphenoclea zeylanica*. (b) *Tarenna campaniflora*. (c) *Acmella radicans*. (d) *Clerodendrum wallichii*. (e) *Bischofia javanica*. (f) *Ficus hirta*.

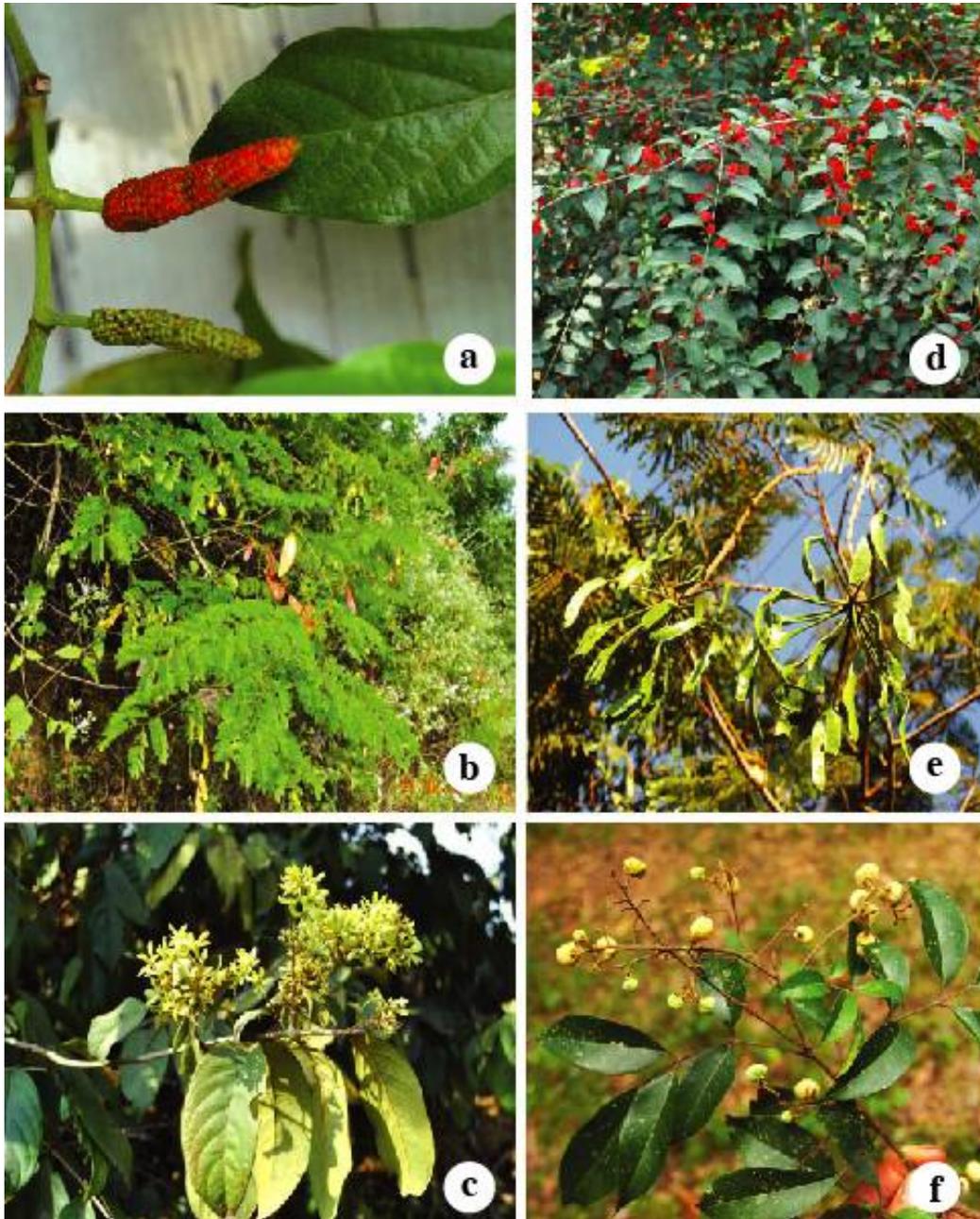


Plate 9. Photographs of some representative flora. (a) *Piper retrofractum*. (b) *Caesalpinia enneaphyllum*. (c) *Getonia floribunda*. (d) *Holmskioldia sanguinea*. (e) *Parkia timoriana*. (f) *Walsora robusta*.



Plate 10. Photographs of some representative flora. (a) *Mukia madarespatana*. (b) *Bridelia tomentosa*. (c) *Dichapetalum gelonioides*. (d) *Oroxylum indicum*. (e) *Pterigota alata*. (f) *Schefflera elliptica*.

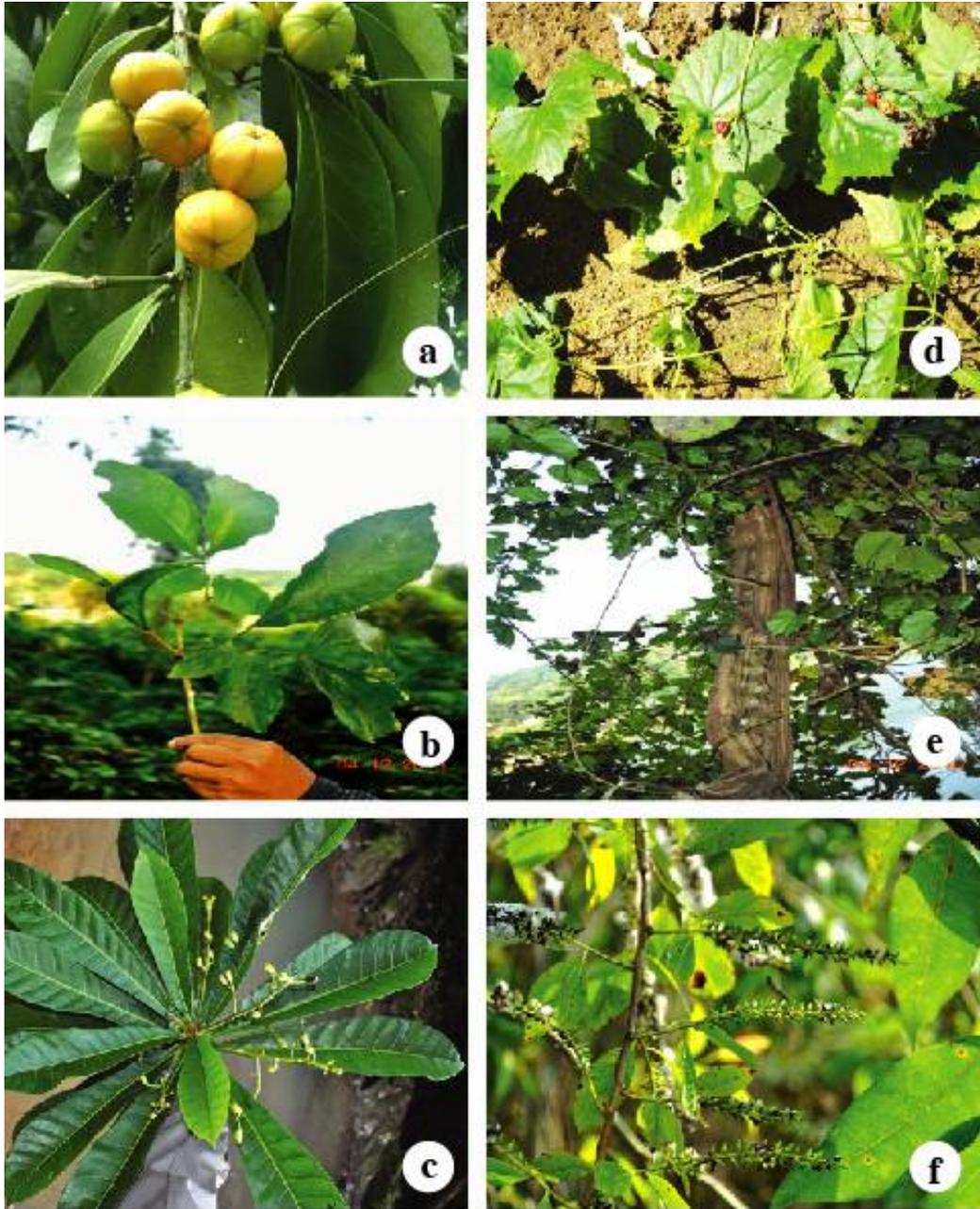


Plate 11. Photographs of some representative flora. (a) *Suregada multiflora*. (b) *Calliandra umbrosa*. (c) *Holigarna caustica*. (d) *Zehneria scabra*. (e) *Bauhinia scandens*. (f) *Salix tetrasperma*.



Plate 12. Photographs of some representative flora. (a) *Erycibe peguensis*. (b) *Congea tomentosa*. (c) *Diploclisia glaucescens*. (d) *Pterospermum semisagittatum*. (e) *Memecylon cerasiforme*. (f) *Trichosanthes tricuspidata*.

Vernonia noveboracensis (L.) Michx., 95. 1803. *Serratula noveboracensis* L., Sp. Pl. 1753. *Habit*: Herb. *Fl. & fr.*: June-September. *Use*: Ornamental. *State of occurrence*: Rare. *Specimens examined*: 18 xii 2015, N. Rahman; NR22 (DACB). (Pl. 1d)

Xanthium strumarium L., Sp. Pl. 987. 1753. *Xanthium indicum* J. Konig. ex Roxb., Fl. Indica 3: 601. 1832. *Habit*: Herb. *Local name*: Ghagra, Khagra. *Fl. & fr.*: Throughout the year. *Use*: Medicine. *State of occurrence*: Common. *Specimens examined*: East hill, Barkal, 10 ii 2016, R. Rahman, RR521 (DACB).

Discussion

Taxonomic study of angiosperm (Magnoliopsida) diversity of the Karnafuli River and its surrounding areas under Rangamati district has revealed a total of 449 Magnoliopsida under 316 genera and 89 families. The study has found that Euphorbiaceae is the largest family with 35 species followed by Fabaceae (29 species), Rubiaceae (25 species) Asteraceae (22 species), Moraceae (17 species), Verbenaceae (16 species), Convolvulaceae (15 species), Acanthaceae and Lamiaceae (12 species). 34 families (*viz.* Magnoliaceae, Aristolochiaceae, Ulmaceae, Nyctaginaceae, Cactaceae, Portulacaceae, Basellaceae, Molluginaceae, Theaceae, Passifloraceae, Caricaceae, Tetramelaceae, Salicaceae, Sapotaceae, Connaraceae, Sonneratiaceae, Rhizophoraceae, Alangiaceae, Olacaceae, Celastraceae, Icacinaceae, Dichapetalaceae, Linaceae, Burseraceae, Oxalidaceae, Balsaminaceae, Gentianaceae, Cuscutaceae, Hydrophyllaceae, Pedaliaceae, Lentibulariaceae, Campanulaceae, Sphenocleaceae, Sonneratiaceae) are represented each by a single species. The genus *Ficus* appears as the largest genus represented by 13 species. The habit types, as assessed, shows 148 species are trees, 100 species are shrubs, 136 species are herbs, 65 species are climber (Including liana, twiner, trailer, scandens climber, woody climber and herbaceous climber). 4 species are also found as parasites. So, Euphorbiaceae, Moraceae, Fabaceae, Rubiaceae, Asteraceae, Vervencaceae, Convolvulaceae, Lamiaceae and Acanthaceae are the dominant families with high species diversity.

The present study identifies over 140 medicinal plants used by the local peoples of the study area for their primary health care. They use the medicinal plants for treatment of several common diseases including, jaundice, diabetes, diarrhoea, asthma, stop bleeding fever, cold, ulcer and cough, abdominal pain, scabies, constipation, indigestion, gonorrhoea, dysentery, piles, and rheumatic pain. Some of the important medicinal plants used by the local people are *Abroma augusta* (L.) L. f., *Acalypha indica* L., *Aloe vera* (L.) Burm. f., *Alstonia scholaris* (L.) R. Br., *Azadirachta indica* A. Juss., *Calotropis procera* (Ait.) R. Br., *Centella asiatica* (L.) Urban, *Coccinia grandis* (L.) Voigt., *Mikania cordata* (Burm. f.) Robinson, *Phyllanthus niruri* L., *Terminalia arjuna* (Roxb. ex DC.) Wight & Arn. and *Vitex negundo* L. Apart from medicinal uses some species are used by local people in their religious festivals, *viz.*, *Aegle marmelos* (L.) Correa, *Areca catechu* L., *Bauhinia purpurea* L., *Bombax ceiba* L., *Butea monosperma* (Lam.) Taub., *Cynodon dactylon* (L.) Pers., *Ficus bengalensis* L., (Roxb.) Willd. and *Streblus aspera* Lour. Most of the species found from the study areas are economically important, especially as sources of timber, fire wood, fruits and vegetables, fodders, medicine, ornamental and soil binders.

A total of 449 Magnoliopsida in state of occurrence shows 125 species are rare, 54 species are Planted, 26 species are cultivated and rest 244 species are common. On the other hand, *Erycibe peguensis* Prain belonging to the convolvulaceae was recorded from Chittagong district by Heining (1925), Since then it has neither been collected nor recorded to occur else where in

Bangladesh. This is the species that only one shrub species under Convolvaceae family. In this survey it has been rediscovered from the study areas after about 91 years of last records.

A number of species have been reported in the Red Data Book of Bangladesh (Ara *et al.* 2013, Khan *et al.* 2001) and Red Data Book of flowering plants of Bangladesh (Rahman 2013) as threatened to the flora of Bangladesh. Among these, 19 species are being located to occur in the natural habitats of present study areas. These threatened species in this study area are mandatory to take under conservation management. These species are in the Table 1.

Table 1. Threatened species of the Karnafuli river and its surrounding areas.

Threatened species	Local name	Family	Habit	Status of occurrence (Khan <i>et al.</i> 2001, Rahman 2013, and Ara <i>et al.</i> 2013)
<i>Abelmoschus hostilis</i>	-	Malvaceae	Herb	DD
<i>Actinostemma tenerum</i>	-	Cucurbitaceae	Climber	EN
<i>Beaumontia grandiflora</i>	-	Apocynaceae	Climber	EN
<i>Begonia silhetensis</i>	-	Begoniaceae	Herb	EN
<i>Bhesa robusta</i>	-	Celastraceae	Tree	VU
<i>Buchanania lancifolia</i>	Jongly amm	Anacardiaceae	Tree	NE
<i>Calliandra umbrosa</i>	Betmara	Mimosaceae	Tree	NE
<i>Cyclea barbata</i> Miers	Patalpur	Menispermaceae	Climber	VU
<i>Dasymaschalon longiflorum</i>	Kulla	Annonaceae	Shrub	NE
<i>Diospyros ramiflora</i>	-	Ebenaceae	Tree	EN
<i>Diploclisia glaucescens</i>	Sonatola	Menispermaceae	Climber	EN
<i>Gomphostemma salarkhaniana</i>	-	Lamiaceae	Herb.	CR
<i>Holigarna longifolia</i>	Barola	Anacardiaceae	Tree	DD
<i>Hydrocarpus kurzii</i>	Chaulmugra	Flacourtiaceae	Tree	NE
<i>Mangifera sylvatica</i>	Uri aam	Anacardiaceae	Tree	NE
<i>Myriopteron extensum</i>	Dudh kamranga lata	Asclepiadaceae	Climber	
<i>Tetrastigma dubium</i>	Kuanria	Vitaceae	Climber	EN
<i>Tournefortia roxburghii</i>	Shamshog	Boraginaceae	Shrub	DD
<i>Zehneria scabra</i>	-	Cucurbitaceae	Climber	Ex

Legend: DD= Data deficient; EN= Endangered; VU= Vulnerable; NE= Not evaluate; CR= Critically endangered and Ex= Extinct.

The authors field observation, *Erycibe peguensis* (C.B. Clarke) Prain, *Lepistemon binectariferum* (Wall.) Kuntze, *Leucas biflora* (Vahl) Benth. in Wall., *Walsora robusta* Roxb., *Baliospermum solanifolium* (Burm.) Suresh, *Ficus hirta* Vahl, *Palaquim polyanthum* (Wall. ex G. Don) Baill., *Parkia timoriana* (DC) Merr., *Natsiatum herpeticum* Buch.-Ham. ex Arn, *Strobilanthes* sp., *Ficus* sp. and *Strobilanthes urticifolia* Wall ex Kuntze were recorded only from one place from the study areas and these plant species under estimate as threatened species now for Bangladesh. Observations and group discussion with local people during field works resulted

in identifying some major threats which include river erosion, exotic plantation, modern agriculture, lack of awareness, Jhum cultivation and urbanization. Therefore, efforts should be undertaken to safeguard the plants through *ex situ* and *in situ* conservation, public awareness should be built up, and protection of habitats of the species should be ensured.

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