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# An annotated checklist of Dicotyledonous Angiosperms in Darjeeling Himalayas and foothills, West Bengal, India

Jayanta Kumar Mallick

Wildlife Wing, Forest Department, Govt. of West Bengal (Retd.), India

Corresponding author: jayantamallick2007@rediffmail.com

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## ABSTRACT

The flora of Darjeeling Himalayas and foothills is dominated by dicotyledonous Angiosperms. The present checklist enumerates more than 2,350 species and varieties under 866 genera and 138 families. Specieswise 15 dominant families are Asteraceae, Fabaceae, Rosaceae, Rubiaceae, Ericaceae, Urticaceae, Ranunculaceae, Scrophulariaceae, Primulaceae, Malvaceae, Lauraceae, Lamiaceae, Vitaceae, Euphorbiaceae and Acanthaceae. 15 families having generic abundance are Asteraceae, Fabaceae, Rubiaceae, Rosaceae, Lamiaceae, Apocynaceae, Scrophulariaceae, Malvaceae, Euphorbiaceae, Urticaceae, Acanthaceae, Cucurbitaceae, Rutaceae, Apiaceae and Ranunculaceae. Majority of the families have only a few genera and few species among them are gregarious. Middle hills have the highest generic and specific diversity followed by those in the upper hills and lower hills. This region is also the abode of many endemic and exotic elements. A good number of species have become rare, threatened or endangered due to anthropogenic factors.

**Key words:** Species diversity, taxonomy, life forms, status, threats, conservation.

## INTRODUCTION

Darjeeling Himalayas and foothills provide a mosaic of diverse landscapes that harbour and sustain rich dicotyledonous angiosperms, which is exceptionally different from the rest of West Bengal plains. An effort has been made here to highlight this wide range of common, less common, rare as well as the recently discovered species of trees, shrubs and herbs occurring in the Darjeeling Himalayas and foothills of Darjeeling and Kalimpong districts.

## MATERIALS AND METHODS

### Study area

The study area (Figure 1) is located along the mountain ranges of Singalila, Donkhya or

Darjeeling-Kurseong and Chola including the foothills (terai) of the eastern Himalayas in two districts- Darjeeling [Geographical area:2,092.5km<sup>2</sup> (27°01'48.00"N, 88°09'36.00"E); Forest area:710.4164km<sup>2</sup>] and Kalimpong [Geographical area:1,053.60km<sup>2</sup> (27°03'36.00"N, 88°28'12.00"E); Forest area:532.7683km<sup>2</sup>]. Darjeeling district comprises of three forest divisions- 1. Darjeeling: 267.6687km<sup>2</sup> (fragmented), 2. Kurseong: 163.5277km<sup>2</sup> (fragmented), 3. Wildlife I: 279.22km<sup>2</sup> [(i) Singalila National Park:78.60km<sup>2</sup>, altitude 2,200-3,636m (26°31'-27°31'N, 87°59'- 88°53'E), (ii) Senchal Wildlife Sanctuary [38.88km<sup>2</sup>, 1067-2600 msl (26°56'N-27°00'N, 88°18'E-88°20'E)], (iii) Mahananda Wildlife Sanctuary [158.04km<sup>2</sup>, 200-1000 msl (26°55'33"-26°47'54"N, 88°33'31"-

88°23'36"E]), Jorepokhri Wildlife Sanctuary [0.04km<sup>2</sup>, 2300 msl (26°70'- 26°79', 88°21'- 88°31')] and Kalimpong has two forest divisions- Kalimpong: 372.8766km<sup>2</sup> (fragmented), Wildlife II: Neora Valley National Park [159.8917km<sup>2</sup>, 500-3,150msl (26°52'3''-26°7'35''N, 88°45'-88°55'E)]

**Forest type groups**

1. Group 1B: NORTHERN TROPICAL WET EVERGEREEN FORESTS (Plains up to 150m. altitude)

Sites: Bagdogra range of Kurseong division  
Species: Sal, Nageshwar, Jam, Kainjal, Lator, Malagiri, Lali

2. Group 2B: NORTHERN SUB-TROPICAL SEMI-EVERGEREEN FORESTS

Sites: Sumbong, Peshok  
Species: Champ, Panisaj, Gokul, Angare

3. Group 3C: NORTH INDIA MOIST DECIDUOUS FORESTS

Sites: Terai areas.  
Species: Sub-montane belt consisting of Sal with Champ, Chilauni, Chikrassi, Gamar, Lali, Lasune, Panisaj, Paccasaj interspersed with riverian forests of Khair, Sissco, Simul, Toon etc. representing succession from riverian to climax sal.

4. Group 8B: NORTHERN SUB-TROPICAL BROAD-LEAVED WET HILL FORESTSHills (300m-1,650m altitude).

Sites: Sim, Upper Sumbong, Upper Reyong, Majua, Lower Babukhola, Mirik, Paglajhora, Kuhu, and Latpanchar

Species: The species commonly found are Mowa, Chilauni, Katus, Panisaj, Lampate, Phaleado, Saur, Tarsing, Angare, Melo, Kapasi, Utis, Toon and Malagiri along with Kutmero, Jhingni, Lek

Chilauni, Malata, Thali, Kawala etc. Climbers and epiphytes are common here.

5. Group 11B : NORTHERN MONTANE WET TEMPERATURE FORESTS (Hills 1,650m-3,000m. altitude)

Sites: Selimbong, Kankibong, Little Rangit, Lopchu, Mahaldiram, Chattakpur, Dhobijhora, Upper Babukhola, Phuguri, Paglajhora, and Lower Bbukhola forests blocks.

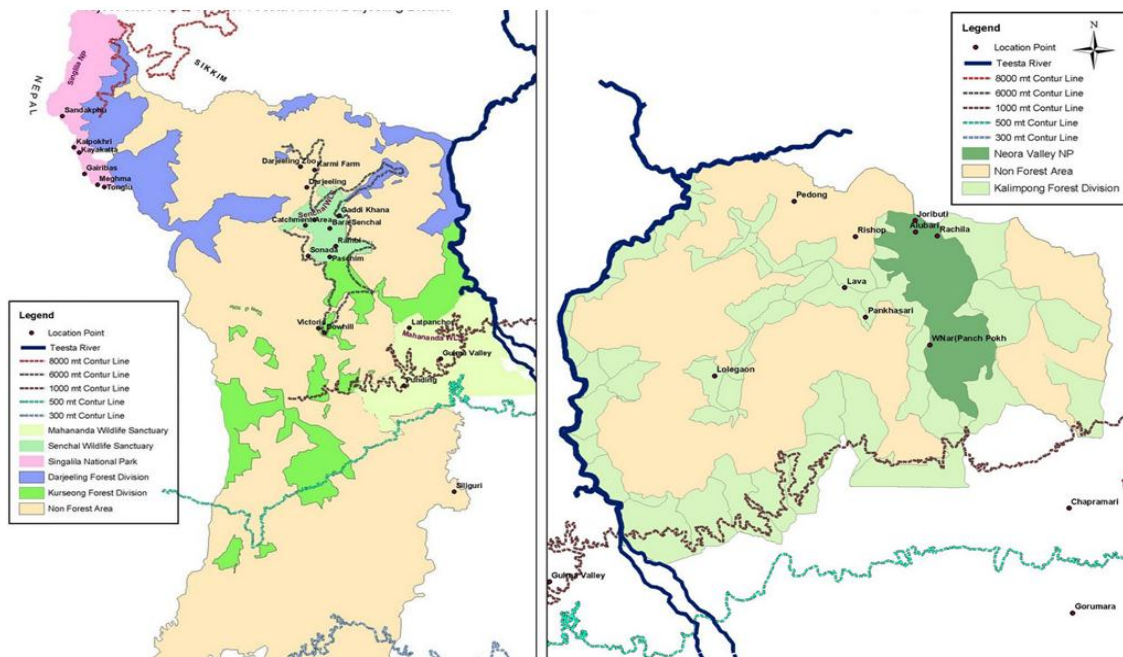
Species: Kawla, Lkhar, Pipli, Oaks (buk & phalat), Rani Champ, Abies densa, Tsuga brunoniana, Acer spp. The principal species found here are Pipli (Bucklandia populnea), Utis, Saur, Katus, Kapasi, Arkula, Mowa, Khankpa, Sinkoli, Buk, Phalant, Champ, Kawla, Malta, Magnolia, Latasaea and Machilius spp. along with Jhigni, Chiwri, Araliaceous, spp. Ilex spp., Thali and Kharane, The ground flora includes Kimbu, Kagate, Asare, Thotne, Chuletro, Maling, Lycopodium, Basak and Chirata.

6. Group 12C: EAST HIMALAYAN MOIST TEMPERATURE FORESTS (Hills 1,500m-1,800m).

Sites: Rimbik  
Species: The species commonly found are Mowa, Chilauni, Katus, Panisaj, Lampate, Phaleado, Saur, Tarsing, Angare, Melo, Kapasi, Utis, Toon and Malagiri along with Kutmero, Jhingni, Lek Chilauni, Malata, Thali, Kawala etc. Climbers and epiphytes are common here.

7. Group 14C : SUB-ALPINE FORESTS (Hills 3,000m-3,660m)

Sites: Sandakapu, Sabarkum, Phalut  
Species: Important spp. are Putli, Lekh Kapasi, Lekh Pipli, Kapasi, Arupate, Sindure Katus (Castanopsis spp.), Birch (Betula utilis), Rhododendrons, Salix, Berberies.



**Fig.1. Map of study areas.** Map of Darjeeling district (left) and Kalimpong district (right).

### Data collection

The primary data were collected through field observations. The secondary data were collected from published and unpublished documents like Working and Management plans, books, reports, research papers and articles.

### RESULTS AND DISCUSSION

Due to a wide range of altitudinal variation- 130 (Siliguri) - <3,660 msl at Sandakphu–Phalut (average 2,134 msl) with a sharp physiographic contrast between the plains and the mountainous regions and the climatic zones ranging from tropical (terai) to subalpine (above 3,000 msl, often remaining snow covered for 1-4 months) within a distance of about 75 km between the foothills and the upland ridges and deep valleys, the study area represents an unique ecosystem, where a great variety of habitats, changing vertically from tropical to sub-tropical through temperate and sub-alpine forests, has resulted in highest floral assemblage with respect to number of species and diversity level in the State, indicating a positive correlation between floral richness and extent-cum-quality of the forest cover, depending on the scale of anthropogenic impacts.

Whereas Kandel et al. (2019) have recorded 3,860 species, 1175 genera and 179 families of dicots in Kangchenjunga Landscape, Eastern Himalayas, the present checklist records more than 2,350 species and varieties under 866 genera and 138 families (arranged alphabetically in Table 1) from Darjeeling Himalayas and foothills.

Specieswise 15 dominant families are Asteraceae, Fabaceae, Rosaceae, Rubiaceae, Ericaceae, Urticaceae, Ranunculaceae, Scrophulariaceae, Primulaceae, Malvaceae, Lauraceae, Lamiaceae, Vitaceae, Euphorbiaceae and Acanthaceae. 15 families having generic abundance are Asteraceae, Fabaceae, Rubiaceae, Rosaceae, Lamiaceae, Apocynaceae, Scrophulariaceae, Malvaceae, Euphorbiaceae, Urticaceae, Acanthaceae, Cucurbitaceae, Rutaceae, Apiaceae and Ranunculaceae. Majority of the families have only a few genera and few species among them are gregarious. Middle hills have the highest generic and specific diversity followed by those in the upper hills and lower hills. This region is also the abode of many endemic (Darjeeling itself or Eastern Himalayas) and exotic elements. A good number of species have become rare, threatened or endangered due to anthropogenic factors.

Bhujel (1996) has recorded 1877 species (including varieties) of dicotyledonous Angiosperms under 159 families (old taxonomy) and 772 genera (excluding the species restricted to cultural conditions). Comparatively, Das (2004) found 404 endemic dicots in the Darjeeling Hills. Chaudhuri (2007) estimated 1,820 dicot species (trees 540, herb 743, shrub 321, climbing shrub 105 and large climbers 111) in the area, whereas Das et al. (2008) recorded 1900 dicots.

### Literature survey

Historically, documentations on the floral assemblage in Darjeeling are available since mid-nineteenth century, particularly after infrastructural developments in 1840, construction of a sanatorium, introduction of tea cultivation and creation of Lloyd Botanic Garden (1878), responsible for introduction and acclimatization of a large number of exotic plants (Sen 1962). Though Buchanan-Hamilton (1820) Roxburgh (1820-1824, 1832), Wallich (1820-1832), D. Don (1821, 1825) and Griffith (1848) had referred to the Darjeeling Himalaya, the first specific scientific publication was a note on Tonglu flora by J.D. Hooker (1849) followed by his further contributions during 1872-1897, among others. The literature was also enriched by C.B. Clarke on Tonglu and Sandakphu (1876, 1885), J.S. Gamble (1875, 1878), King and Pantling (1898), A.M. and J.M. Cowan (1929), and after independence by Hara (1966, 1971), Hara et al. (1978, 1979, 1982), Ohasi (1975), Bhujel (1984, 1996), Bhujel and Das (1996, 2002), Biswas and Chopra (1956), Shebbeare (1957), Biswas (1966), Chaudhuri (1960, 1965, 1969, 1970, 1992, 1993), Sharma and Ghosh (1970), Pradhan and Rai (1983-1985), Das (1984, 1986, 1987, 1995, 2004), Das et al. (1985), Das and Chanda (1986, 1987, 1990), Das and Lama (1992), Das (1995, 1998), Das and Panda (1997) Grierson & Long (1983, 1984, 1987, 1991, 1999), Hara (1966, 1971), Hara et al. (1978, 1979, 1982), Maiti and Guhabakshi (1981), Matthew (1981), Noltie (1994, 2000), Samanta (1998), Samanta and Das (1995), Yonzon (1976), Yonzon et al. (1970) among others. Maximum works have been done during the 21<sup>st</sup> century (see references). Botanical Survey of India also initiated the floristic explorations in Darjeeling since 1983.

An exclusive account of this wealth is still scarce because of the dense canopy, thick undergrowth and inaccessible terrain. Parts of some ecological niches like Neora Valley, the last virgin wilderness in the State and a shortlisted World Heritage Site (May 2009), Singalila and even Mahananda were either poorly explored or completely unexplored. Thus many inconspicuous species are unrecorded or escaped the short-term scientific explorations and some are poorly known. An exhaustive account of the endemic, rare, endangered and threatened taxa of conservation importance is also missing.

### Species diversity

The present study aims at preparing a checklist of dicot angiosperms in the Darjeeling hills and terai areas (Table 1) on the basis of latest compilation (Ghosh & Mallick 2014, Mallick 2015) with updated nomenclature and taxonomy including the unresolved (due to lack of information, or because of disputes among the taxonomists) species, as per the Angiosperm Phylogeny Group classification III (2009) and global checklist jointly prepared by the Royal Botanic Gardens, Kew and Missouri Botanical Garden [The Plant List. Version 1.1. Available

online: www.theplantlist.com (accessed in June 2019)] with pictorial illustrations. However, many taxa have been merged with other taxa, altered or changed to new taxonomic status.

### Life Forms of Plants

It was observed that herbaceous plants are present in higher proportion, almost double than the shrubs, trees and climbers. Representation of epiphytes is remarkable; parasite and hydrophytes have a low representation but show their distinction; while lowest representation is given by saprophytes.

### Exotics and Endemics

According to Bhujel (1996), 607 dicot species are truly Himalayan. Among the major representations 518 species are Sino-Himalayan and 302 species are South East Asian and Malaysian. However, the dicot flora harbours the Indian (119 spp.), Central Asiatic (II), Eurasian (27), Afro-Asiatic (69), American (57), Australian (86) and Japanese (149) elements including the exotic species. There are 33 plants of cosmopolitan and 48 plants of pantropic distributions. These exotic plants are from different countries such as N. America, China, Japan, Australia, Africa, Mexico, W. Indies and S. America. 29 species are endemic to Darjeeling, 29 to Darjeeling-Sikkim and 144 to Eastern Himalayas alone.

### Threatened species

Bhujel (1996) has estimated that about 400 species are threatened. The availability of most of these plants including endemics is extremely poor. Moreover, alarmingly, some plants reported during late 18<sup>th</sup> and early 19<sup>th</sup> centuries could not be traced nowadays and are probably extinct in the wild due to climate change and/or severe anthropogenic threats, to cite a few- *Gloriosa superba*, *Pimpinella tongloensis*, *Swertia chirayita*, etc.

### Endangered species

*Benthamedia capitata* (syn. of *Cornus capitata*), *Boehmeria rugulosa*, *Canarium strictum*, *Cinnamomum tenuipile*, *Cotoneaster sandakphuensis* (Unresolved), *Elaeocarpus sphaericus* (Syn. of *E. serratus*), *Ficus racemosa*, *Juglans regia*, *Lindera haniiltonii* (Unresolved), *Macaranga gamblei*, *Magnolia globosa*, *M. pterocarpa*, *Mesua ferrea*, *M. floribunda* (Unresolved), *Olea dioica*, *Premna interrupta*, *Quercus acutissima*, *Q. rubella* (not in KEW list), *Rhododendron decipiens*, *R. campylocarpum*, *R. thomsonii*, *R. maddenii*, *R. triflorum*, *R. anthopogon*, *R. vaccinioides*, *Sapindus mukorossi*, *Sorbus microphylla*, *Symplocos pyrifolia*, etc.

### Conservation Value

More than 700 wild dicots are found to be of economic value that are used as medicine, timber, household purposes or possess edible or ornamental plant parts.

### Conservation threats

In Darjeeling, 21.82 km<sup>2</sup> forests are now degraded and 0.4 km<sup>2</sup> encroached. The total loss assessed is 258.68 km<sup>2</sup> during 1977-2012, maximum in the Temperate broad leaved forests 139.18 km<sup>2</sup>, followed by tree clad area 74.24 km<sup>2</sup>, Mixed moist deciduous forests 34.19 km<sup>2</sup> and in bamboo forests 11.07 km<sup>2</sup>. Thus, the vegetation scenario has been changing very fast during the last four decades, which needs to be highlighted at both generic and species (number and diversity) level.

Human interference has adversely effected the natural habitat conditions of plants and animals in the Himalayas, while in many areas natural forest vegetation has been turned to monoculture plantation forests. Formation of colonies for human settlements and clear felling for forest villages, has also been exercised. Several places, suitable for plants and animals habitat has also been destroyed in the process and the whole corpus of knowledge and informations on ecology and natural history lost.

Some of the forest areas have been clearfelled and developed to monoculture forest. The planted trees have, of course, become economically important. But as far as the hilly terrains are concerned, some tree species like, *Cryptomeria japonica*, *Tectona grandis*, *Shorea robusta* in particular and others in general have ecologically become harmful to the soil and for diat matter, to die namral undergrowUis. Planted forests are always characterised by die absence of herbs, shrubs or climbers. This is especially so because in contrast to the natural forests die planted forest trees leave enough gap at dieir height letting die monsoon rain droplets directly hit the ground soil and wash away die soil parts disturbedthereby. As a result, a hard soil surface develops and in the process, prohibits any future seeds to germinate, in case of *Cryptomeria japonica* and *Pinus* spp. secretion of allelopadiic acid (Basu 1986) from dieir roots which are hamiftil to soil and ground vegetation, have been reported. In diis manner the planted forest have their own ecological desert under them. Tliis kind of forest, I feel, should not be encouraged in the mountaineous regions, but may radier be restricted to cultivated lands under farm forestry programmes.

### In situ and ex situ conservation

Stringent in situ and ex situ conservation measures are essential to save the critically endangered, endangered, rare and threatened species. There are three *in situ* gene pool conservation sites in the study area- Kankibong (5 ha), Mal-13 near Bhutabari (7.5 ha) and 10 Mile, Sevok Road (6 ha) of state forest department. The only state ex situ conservation centre in the study area is Lloyd Botanic Garden, having 110 species. Four propagation centres are also located here- Sonada (85 species), Sukna (129), Lava (50) and Gorubathan (76). The medicinal plants conservation areas (MPCAs) are Tonglu (250 ha), Relling-Salimbong (250 ha) and Sevok (100 ha). Seed Banks and Nurseries also help in conservation of the

vulnerable species. Medicinal plants are also cultured at Takdah Research Station, Silviculture (Hills). This station works for improving the growing stock of hill forests by clonal propagation, etc.

**Table 1: Annotated Checklist of dicotyledons in Darjeeling and Kalimpong Districts**

AH= Annual herb, AC= Annual climber, GC= Geophytic climber, GH= Geophytic herb, PC= Perennial climber, PH= Perennial herb, PS= Perennial shrub, Root parasite, SC= Shrubby climber, SS= Suffrutescent shrub, US= Undershrub, etc.

**1. ACANTHACEAE** Durande, Notions Elém. Bot. 265. 1782, nom. cons.; Juss., Gen. Pl. 102. 4 Aug 1789, nom. cons. (the Acanthus Family). Genus: 18; Species: 44

**1.1 Acanthus L.**

**1.1.1 A. carduaceus** Griff. Itin. Pl. Khasyah Mts. 144, No. 688. 1848; Posth. Papers, 2; Not. Pl. Asiat. 4: 138. 1854; T. Anders. Journ. Linn. Soc. 9: 500. 1867; Clarke Fl. Brit. Ind. 4: 480. 1884; Sikdar & Maiti 1981. **Oongar**. SH. Endemic to E. Himalaya. Least concern.

**1.1.2 A. ilicifolius** Sp. Pl. 2: 639. 1753. **Holly-leaved acanthus; Hergoza**. PS. Least Concern.

**1.2 Andrographis Wall. ex Nees**

**1.2.1 A. paniculata** (Burm.f.) Nees Pl. Asiat. Rar. 3: 116 1832. *Justicia paniculata* N. L. Burman, Fl. Indica, 9. 1768. **Creat or green chireta**. AH. Sparse.

**1.3 Asystasia Blume**

**1.3.1 A. macrocarpa** Nees in Wall., Pl. As. Rar. 3: 89. 1832; in DC. J. Prodr. 11. 163; T. Anders, Journ. Linn. Soc. 9. 525. *Mackaya macrocarpa* (Nees) Das, Fl. Assam 3: 447. 1939; *Ruellia macrocarpa*, Wall. Cat. 2348. 1830. US. Endemic, less common.

**1.4 Barleria L. (1753)**

**1.4.1 B. lupulina** Lindl. Edwards's Bot. Reg. 18: t. 1483 1833; Clarke in Hook.f., Fl. Brit. India 4: 482. 1884. **Bishalyakarani or Vishalyakarani**. PS.

**1.4.2 B. strigosa** Willd., Sp. Pl. ed. 4, 3: 379. 1800; Clarke in Hooker, Fl. Brit. India 4: 489. 1884; Shendage & Yadav 2010. **Blue Barleria**. Subshrub.

**1.5 Clarkeasia J. R. I. Wood**

**1.5.1 C. parviflora** (T. Anderson) J.R.I. Wood, Edinburgh J. Bot. 51: 189. 1994. *Echinacanthus parviflorus* T. Anders., J. Linn. Soc. Bot. 9: 459. 1867. PH. Frequent.

**1.6 Dicliptera Juss.**

**1.6.1 D. bupleuroides** Nees, Pl. Asiat. Rar. 3: 111. 1832 in DC., Prodr. 11: 485. 1847. **Roxburgh's Foldwing**. Herb.

**1.6.2 D. chinensis** (L.) Juss., Ann. Mus. Hist. Nat. 9: 268. 1807. *Diapedium chinensis* (Juss.) K.D. Koenig, Ann. Bot. (König & Sims) 2: 189. 1805; *Justicia chinensis* L. Sp. Pl. 1: 16. 1753. **Chinese foldwing**. AH. Common.

**1.7 Eranthemum L.**

**1.7.1 E. indicum** (Nees) C.B. Clarke in Hook. f., Fl. Brit. India 4: 497. 1884 (Unresolved). *Mackaya indica* (Nees) Esermu, Kew Bull. 47(4): 673. 1992; *Odontonemella indica* (Nees) Lindau, Bot. Jahrb. Syst. 18: 56. 1893; *Pseuderanthemum indicum* (Nees)

A. N. & S. M. Cowan, Trees N. Beng. 98. 1929; *Thysacanthus indicus* Nees, Prodr. [DC.] 11: 325. 1847. **Chongte-kup, Seto Chuwa**. PH. Less common.

**1.7.2 E. pulchellum** Andrews, Bot. Repos. 2: t. 88. 1800. *Eranthemum pulchellum* (Roxb.) Roxb., Hort. Bengal. 3. 1814; *Pseuderanthemum pulchellum* (Andrews) Merr., Philipp. J. Sci., C 7: 248. 1912; *Upudalia pulchella* (Andrews) Raf., Fl. Tellur. 4: 66. 1838. **Indian Blue Sage, Ban Tulsii**. Shrub. Less common.

**1.7.3 E. splendens** (T. Anderson) Hort. Ex Siebert et Voss in Vilmorin, Blumengartn. Ed. 3. 1: 806. 1894; Bremek. & Nann.-Bremek. Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2. 45(1): 35. 1948; Yamazaki in Fl. E. Him. 2: 123. 1971. *Daedalacanthus splendens* T. Anderson, J. Linn. Soc., Bot. 9: 486. 1867; C.B. Clarke in Hook. f. Fl. Brit. Ind. 4: 418. 1884. **Arklejhar, Mongrheng**. Shrub.

**1.8 Hygrophila R.Br.**

**1.8.1 H. auriculata** (Schumach.) Heine, Kew Bull. 16: 172. 1963. *Asteracantha auriculata* Nees, Prodr. 11: 248. 1847; *Barleria auriculata* Schumach., Beskr. Guin. Pl. 285. 1827. **Marsh Barbel; Tal makhana, Makhana, Kanta Kalika, Kuliakhara, Kule khara**. AH. Less common.

**1.8.2 H. phlomoides** Nees in Wallich, Pl. Asiat. Rar. 3: 80. 1832 (Unresolved). *Ruellia phlomoides* Wall., Numer. List. 2376. 1830. AH. Common.

**1.8.3 H. polysperma** (Roxb.) T. Anderson, J. Linn. Soc., Bot. 9: 456. 1867. *Adenosma polysperma* (Roxb.) Sprengel; *Hemidelpis polysperma* (Roxburgh) Nees, Pl. Asiat. Rar. 3: 80. 1832; *Justicia polysperma* Roxburgh, Fl. Ind. 1: 119. 1820. **Dwarf Hygro, East Indian hygrophila, Miramar weed**. AH. Common.

**1.8.4 H. schulli** (Buch.-Ham.) M.R.Almeida & S.M. Almeida, J. Bombay Nat. Hist. Soc. 83(Suppl.): 221. 1987. **Long leaved barleria, Marsh Barbel; Kulekhara**. Subshrub. Common.

**1.9 Hypoestes Sol. ex R.Br.**

**1.9.1 H. triflora** (Forsskål) Roem. & Schult., Syst. Veg. 1: 141. 1817. *Justicia triflora* Forsskål, Fl. Aegypt.-Arab. 4. 1775. **Sim kuro**. AH. Abundant.

**1.10 Justicia L.**

**1.10.1 J. adhatoda** L. Sp. Pl. 1: 15. 1753. *Adhatoda vasica* Nees, Plantae Asiaticae Rariores 3: 103. 1832 (Unresolved); *A. zeylanica* Medik., Hist. et Commentat. Acad. Elect. Sci. et Elegant. Lit. Theod.-Palat. 6: 393. 1790; *Ecbolium adhatoda* (L.) Kuntze. Revis. Gen. Pl. 2: 487. 1891. **Malabar nut, Asuru, Basak, Tham chyor**. PS. Sparse.

**1.10.2 J. gendarussa** N.L. Burman, Fl. Indica. 10. 1768. *Gendarussa vulgaris* Nees. *Dianthera subserrata* Blanco, *Dicliptera rheedii* Kostel, *Ecbolium gendarussa* (Burm. fil.) Kuntze, *Ecbolium subserratum* (Blanco) Kuntze, *Gendarussa vulgaris* Nees, *Justicia dahona* Buch.-Ham. ex Wall, *Justicia salicina* Vahl ex Nees. **Willow-Leaf Justicia, Asian Water-willow**. Shrub.

**1.10.3 J. procumbens** L., Sp. pl. 1: 15. 1753; Clarke in Hook. f., Fl. Brit. Ind. 4: 539. 1885 (Unresolved).

*Ecbolium procumbens* (L.) Kuntze, Revisio Generum Plantarum 2. 1891; *J. procumbens* Blume, Bijdr. 788. 1826; *J. procumbens* Thié.-Bern. ex Nees, Prodr. 11: 263. 1847; *Rostellaria procumbens* Nees in Wall., Pl. Asiat. Rar. 3: 101. 1832; *Rostellularia procumbens* (L.) Nees, Prodromus Systematis Naturalis Regni Vegetabilis 11: 371. 1847. **Water willow; Bisaune jhar, Aangdyan jhar, Ghyurupuju.** AH. Less common.

### 1.11 *Lepidagathis* Willd.

**1.11.1** *L. incurva* Buch.-Ham. ex D. Don, Prodr. Fl. Nepal 119. 1825 (Unresolved). **Curved Lepidagathis; Bankuro, Seto phuli.** PH. Common.

**1.11.2** *L. semiherbacea* Nees, Pl. Asiat. Rar. 3: 96. 1832 (Unresolved). *Lepidagathis hyalina* var. *semiherbacea* (Nees) C.B. Clarke, Fl. Br. Ind. 4: 521 (1884); *Lepidagathis incurva*, D. Don. var. *semiherbacea*, C. B. Clarke, Fl. Brit. India, 4: 521. PS.

### 1.12 *Peristrophe* Nees, 1832

**1.12.1** *P. speciosa* (Roxburgh) Nees, Pl. Asiat. Rar. 3: 113. 1832 (Unresolved). *Justicia speciosa* Roxb., Fl. Ind. (Carey & Wallich) 1: 123. 1820; *Strepsiphus speciosus* Raf., Fl. Tellur. 2: 91. 1837. **Violet mint.** Shrub.

### 1.13 *Phaulopsis* Willd.

**1.13.1** *P. imbricata* (Forssk.) Sweet, Hort. Brit. Ed. 1: 327. 1826. *Antheilema imbricata* Raf., Fl. Tellur. 4: 66 1838; *A. imbricatum* (Forssk.) Spreng., Syst. Veg. 826. 1825; *A. imbricatum* R. Br., Prodr. Fl. Nov. Holl. 478. 1810; *Ruellia imbricata* Forssk., Fl. Aegypt.-Arab 113. 1775. **Himalayan Ruellia.** PH.

### 1.14 *Phlogacanthus* Nees, 1832

**1.14.1** *P. pubinervius* T. Anderson, J. Linn. Soc. Bot. 9: 508. 1867 (Unresolved). **Chongkek.** Shrub. Less common.

**1.14.2** *P. thyrsoformis* (Roxb. ex Hardw.) D.J. Mabberley, Taxon 29: 606. 1980 (Unresolved). *Justicia thyrsoformis* Hardw. **Himalayan Ruellia; Chuba, Chuwa, choa, chuwa phul, Rheom, Shechin, Sua, Sumcher.** Shrub. Abundant.

### 1.15 *Ruellia* L.

**1.15.1** *R. tuberosa* L., Sp. Pl. 2: 635. 1753. **Minnie Root, Fever Root, Snapdragon Root, Sheep Potato; Bahumool.** PH.

### 1.16 *Rungia* Nees

**1.16.1** *R. pectinata* (L.) Nees in A. Candolle, Prodr. 11: 469. 1847. *Justicia pectinata* L., Amoen. Acad. 4: 299. 1760; *Rungia parviflora* Nees ssp. *pectinata* (L.) L.H. Cramer; *R. parviflora* var. *pectinata* (L.) C.B. Clarke in Hook.f. Fl. Brit. India 4: 550. 1885; *R. pectinata* var. *clarkeana* Handel-Mazzetti. **Comb Rungia.** AH. Abundant.

### 1.17 *Strobilanthes* Blume

**1.17.1** *S. capitata* Nees in Wall., Pl. As. Rar. 3: 88. 1832; T. Anderson, Linn. Soc., Bot. 9: 475. 1867 (Unresolved). *Goldfussia capitata* Nees in Wall., Pl. As. Rar. 3: 88. 1832 et in DC. Prodr. 11: 173. 1847; *Strobilanthes capitatus* T. Anders. in Journ. Linn. Soc. 9. 475. 1866; C. B. Clarke in Hook. f. Fl. Brit. Ind. 4: 459. 1884. **Ankhle.** US. Common.

**1.17.2** *S. divaricata* (Nees) T. Anderson, J. Linn. S. B. 9: 478. 1867 (Unresolved). *Acanthopale divaricata* (Wall.) C.B. Clarke in J. Asiat. Soc. Bengal 74(2): 659. 1907; *Difflugossa divaricata* (Nees) Bremek., Verh. Ned. Akad. Wetens. Sect. 2, 41(1): 246. 1944; *Goldfussia divaricata*, Nees in Wall, Pl. As. Bar. 3. 89, in DC. Prodr. 11. 176; *Ruellia divaricata* Wall. in Wall. Cat. 71. n. 2372. 1830. **Ankhle.** US. Common.

**1.17.3** *S. helicta* T. Anders., J. Linn. Soc., Bot. 9: 479. 1867 (Unresolved). **Ankla; Khantagmusee.** Shrub.

**1.17.4** *S. himalayana* J.R.I. Wood. Edinburgh J. Bot. 51: 241. 1994 (Unresolved). PH.

**1.17.5** *S. inflata* T. Anderson, J. Linn. Soc., Bot. 9: 476. 1867 (Unresolved). *Pteracanthus inflatus* (T. Anderson) Bremek. Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2, 41(1): 199. 1944. Herb.

**1.17.6** *S. oligocephala* T. Anderson ex C. B. Clarke in J. D. Hooker, Fl. Brit. India. 4: 461. 1884 (Unresolved). *Goldfussia oligocephala* (T. Anderson ex C.B. Clarke) Bremek. Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2, 41(1): 232. 1944; *Strobilanthes oligocephala* var. *treutleri* C.B. Clarke. Subshrub.

**1.17.7** *S. pentstemonoides* (Nees) T. Anderson, J. Linn. Soc., Bot. 9: 477. 1867 (Unresolved). *Goldfussia pentstemonoides* Nees in Wallich, Pl. Asiat. Rar. 3: 88. 1832 ["*pentstemonoides*"]. Herb.

**1.17.8** *S. rosea* Nees, Pl. Asiat. Rar. (Wall.) 3: 84. 1832 (Unresolved). US. Less common.

**1.17.9** *S. thomsonii* T. Anderson, J. Linn. Soc., Bot. 9: 478. 1867 (Unresolved). US. Less common.

**1.17.10** *S. urophylla* Nees in A. Candolle, Prodr. 11:192. 1847; C.B. Clarke in Hook.f., Fl. Brit. India 4: 472. 1884; J.R.L. Wood in Edinburgh J. Bot. 51: 221. 1994. *Dipteracanthus urophyllus* Nees in Wall., Pl. Asiat. Rar. 3: 82. 1832. *Strobilanthes urophylla* Nees var. *sikkimensis* C.B. Clarke in Hook.f., Fl. Brit. India 4: 472. 1884. *Pteracanthus urophyllus* (Nees) Bremek. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Tweede Sect. 41 (1): 198. 1944. US.

**1.17.11** *S. wallichii* Nees in Wall., Pl. Asiat. Rar. 3: 87. 1832; in DC., Prodr. 11: 193. 1847; Clarke in Hook. f., Fl. Brit. Ind. 4: 471. 1885. **Deep blue curved bells, Kashmir Acanthus, Hardy Persian Shield, Wild Petunia, Kandali.** Ankhle. US. Common.

### 1.18 *Thunbergia* Retz.

**1.18.1** *T. alata* Bojer ex Sims, Bot. Mag. 52: t. 2591. 1825. *Endomelas alata* (Bojer ex Sims) Raf. Fl. Tellur. 4: 67. 1838. **Mullata, Chongtafibri, Kag chuchche.** SC. Common.

**1.18.2** *T. clarkei* T.Yamaz., J. Jap. Bot. 46: 52, f. 4 & 5, D. 1971 (Unresolved). Climber.

**1.18.3** *T. coccinea* Wall. ex D. Don, Prodr. Fl. Nep. 1: 48. 1826; Hook. in Bot. Mag. 85. t. 5124. 1859; Clarke in Hook. f., Fl. Brit. Ind. 4: 393. 1884. *Hexacentris coccinea* (Wallich) Nees, Pl. As. Mar. 3. 78. 1832; in DC. Prodr. 9. 61. **Scarlet clockvine; Kanesi, Chontefib-rik, Rato kag chuchche.** SC. Common.

**1.18.4** *T. fragrans* Roxb., Pl. Corom. 1(3): 47-48, t. 67. 1795 [1796]; Fl. Ind. ed. 2.3: 33. 1832; Nees in Wall., Pl. Asiat. Rar. 3:77. 1832; Clarke in Hook. f., l.c. SC. Abundant.

**1.18.5** *T. lutea* T. Anderson, J. Linn. S. B. 9: 448. 1866 [1867](Unresolved). *Hexacentris lutea* Lindl. Gard. Chron. 1854: 151. 1854. SC. Common.

**2. ACHARIACEAE** Harms. (Acharia family) Genus: 1; Species: 1

**2.1 Gynocardia** R.Br.

**2.1.1** *G. odorata* R.Br. Pl. Coromandel 3: 95 1820. *Chaulmoogra odorata* Roxburgh; *Chilmoria dodecandra* Buchanan-Hamilton, *Gynocardia anti-syphilitica* Pierre ex Tschirch, *G. prainii* Desprez, *Hydnocarpus odoratus* Lindl. ex Voigt. **Bandri, Bandka, Chhal Mogra, Chaulmogra, Gante, Kadoo, Lentem, Ramphal, Tuk-kúng.** Tree. Less common.

**3. ACTINIDIACEAE** Engl. & Gilg, Syllabus, ed. 9–10: 279. 6 Nov 1924, nom. cons. (the Chinese Goose family) Genus: 2; Species: 8

**3.1 Actinidia** Lindl.

**3.1.1** *A. callosa* Lindl., Nat. Syst. ed. 2: 439. 1836. **Drongo cuckoo; Kiwi vine; Theki phal, Tiku phool, Tuksing-rik.** Climber. Less common.

**3.1.2** *A. callosa* var. *callosa* Lindley, Nat. Syst. Bot., ed. 2. 439. 1836. *Actinidia arisanensis* Hayata; *A. callosa* var. *formosana* Finet & Gagnepain; *A. callosa* var. *pubiramula* C. Y. Wu; *A. formosana* (Finet & Gagnepain) Hayata; *A. rankanensis* Hayata; *A. remoganensis* Hayata. **Tekhiphal**

**3.1.3** *A. strigosa* Hook. f. & Thomson ex Benth., J. Linn. S. B. 5: 55. 1861; Gamble 1878. **Tiki phal, Tuksing-rik, SC.** Common.

**3.2 Saurauia** Willd.

**3.2.1** *S. fasciculata* Wall., Pl. As. Rar. 2: 40, t. 148. 1831; Gamble 1878 (unresolved). **Gogun, Saré gogen; Sipa-kúng.** Tree. Common.

**3.2.2** *S. griffithii* Dyer in J. D. Hooker, Fl. Brit. India 1(2): 286-287. 1874. **Gogen, hlosipa-kúng.** Shrub or small tree.

**3.2.3** *S. napaulensis* DC., Mém. Soc. Phys. Genève 1: 421. 1822. **Gogan, Kasúr-kúng.** Tree. Common.

**3.2.4** *S. punduana* Wallich, Pl. Asiat. Rar. 2: 40. 1831; Gamble 1878. **Rata gogen, Sipa-kúng.** Tree. Sporadic; Critically Endangered.

**3.2.5** *S. roxburghii* Wall., Pl. As. Rar. 2: 40. 1830; Gamble 1878 (Unresolved). **Safar-kúng; Singkrang; Ouli gogen, Dangsipa-kúng.** Tree. Endemic, less common.

**4. ADOXACEAE** E. Mey., Preuss. Pfl.-Gatt.: 198. 1-7 Sep 1839, nom. cons.; Mukherjee & Acharya 2011 (Moschatel family). Genus: 2; Species: 12

**4.1 Sambucus** L.

**4.1.1** *S. adnata* Wall. ex DC., Prodr. 4: 322. 1830; Hooker f. & Thomson, Jour. Linn. Soc. 11. 180. 1858; Clarke in Hooker f., Fl. Brit. Ind. 111. 3. 1882; Brandis, Indian Trees 364. 1906. **Moti phool.** Shrub. Rare.

**4.1.2** *S. canadensis* L., Sp. Pl. 269. 1753, sensu lato. H. Hara in Fl. E. Him. 319. 166; Fukuoka in Acta Phyt. Geobot. 22: 164. 1967. H. Hara in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 197. 1979. **Jaali Swan, Moti swan.** Shrub. Common.

**4.1.3** *S. javanica* Reinw. ex Blume, Bijdr. 13: 657. 1825. *S. chinensis* Lindl. Trans. Hort. Soc. London 6: 297. 1826. **Sweet elder; Galeni.** PH or small shrub. Less common.

**4.2 Viburnum** L.

**4.2.1** *V. colebrookianum* Wall. ex DC., Prodr. 4: 325. 1830; Clarke in Hook. f., Fl. Brit. India 3: 5. 1880 (Unresolved). Shrub.

**4.2.2** *V. coriaceum* Bijdr. 656 1826; Hook. f., Fl. Brit. India 3: 5. 1880 (Unresolved). Tree.

**4.2.3** *V. cotinifolium* D. Don, Prodr. Fl. Nepal. 141-142 1825. **Smoketree Leaved Viburnum.** Shrub.

**4.2.4** *V. cylindricum* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 142. 1825. Hara in Hara & Williams, Enum. Fl. Pl. Nep. 2: 198. 1979. *V. cylindricum* Buchanan-Hamilton ex D. Don var. *crassifolium* (Rehder) C. K. Schneider. **Kala Titmalia.** Shrub.

**4.2.5** *V. erubescens* Wall. ex DC., Prodr. 4: 329. 1830. *Solenotinus erubescens* (Wallich) Oersted; *Viburnum erubescens* var. *erubescens* Wall. ex DC., Prodr. 4: 329. 1830; *V. erubescens* var. *prattii* Wall. ex DC., Pl. Wilson. 1: 107. 1911. **Ashaare, Bajranga, Ashare, Ngeko, Nhaargaa, Naepchiben, Naplung, Nekar, Ganne, Kancha.** Shrub. Abundant.

**4.2.6** *V. grandiflorum* Wallich ex Candolle, Prodr. 4: 329. 1830. Shrub.

**4.2.7** *V. mullaha* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 141. 1825. *V. mullaha* var. *glabrescens* (C. B. Clarke) Kitamura, Fauna Fl. Nepal Himal. 1: 235. 1955; *V. stellulatum* var. *glabrescens* C. B. Clarke in J. D. Hooker, Fl. Brit. India 3: 4. 1880; *V. mullaha* var. *mullaha*; *V. involucreatum* Wallich ex Candolle; *V. stellulatum* Wallich ex Candolle; *V. stellulatum* var. *involucreatum* (Wallich ex Candolle) C. B. Clarke; *V. thaiyongense* W. W. Smith. **Mulla.** Shrub.

**4.2.8** *V. nervosum* D. Don, Prodr. Fl. Nep. 141. 1825. *V. cordifolium* Wall. ex DC., *Solenotinus nervosus* (D. Don) Oersted. **Ambre, Amrola.** Shrub.

**4.2.9** *V. paniculatum* (Das et al. 2008). Not recorded in Kew Plant List. Tree. Rare (Das et al. 2008)

**5. AMARANTHACEAE** Juss., Gen. Pl.: 87. 4 Aug 1789, nom. cons. (the Amaranth Family); Paul & Chaudhury (2007). Genus: 7; Species: 11

**5.1 Achyranthes** L.

**5.1.1** *A. aspera* L., Sp. Pl. ed. 1: 204. 1753; Hook. f., Fl. Br. Ind. 4: 730. 1885. *A. aspera* var. *argentea* C. B. Clarke in J. D. Hooker, Fl. Brit. India. 4: 730. 1885; *A. aspera* var. *aspera*; *Achyranthes aspera* var. *indica* L., Sp. Pl. 1: 204. 1753; *Centrostachys aspera* (L.) Standl. J. Wash. Acad. Sci. 5: 75. 1915; *Stachyarpagophora aspersa* Maza. Fl. Haban. 93. 1897. **Prickly Chaff Flower, Crocus stuff, Crokars staff, Devil's Horsewhip, Snake's Tail Apang; Latjira, Datiwan, Apang, Apamarga, Lassi.** AH. Sparse.

**5.1.2 A. bidentata** Blume, Bijdr. Fl. nederl. Ind. 545. 1826; Hook. f., Fl. Brit. Ind. 4:730. 188; Saha et al. 2011, Sharma 2013. *Centrostachys bidentata* (Blume) Standl. J. Wash. Acad. Sci. 5: 75. 1915. **Ox or Pig's knee, Hill Chaff Flower; Ankhlay-jhar, Datiwan, Rato apamarga, Utle kuro.** AH/PH/Shrub. Common.

## 5.2 *Aerva* Forssk.

**5.2.1 A. javanica** Juss. ex Schult. *A. persica* (Burm. f.) Merr. *A. tomentosa* Forssk. *Iresine javanica* Burm. f. *I. persica* Burm. f. Herb. Frequent.

## 5.3 *Amaranthus* L.

**5.3.1 A. greggii** S. Watson, Proc. Amer. Acad. Arts 12: 274. 1877. **Gregg's amaranth, Josiah amaranth.** Shrub.

**5.3.2 A. spinosus** L., Sp. Pl. ed. 1: 991. 1753. Hook. f., Fl. Brit. Ind. 4: 718. 1885. *Galliardia spinosa* (L.) Nieuwl. Amer. Midl. Naturalist 3(9): 278. 1914. **Prickly Amaranth, Edlebur, Needle burr, Spiny amaranth, Thorny amaranth, Spiny Pigweed, Kanta Note, Kande lundo, Rangnan, Katgeni, Kataya, Lonre.** AH. Abundant.

**5.3.3 A. tricolor** L., Sp. Pl. 1: 989. 1753. *Glomeraria tricolor* (L.) Cav. **Chinese spinach, Tandaljo or Tandalja bhaji, Joseph's coat.** AH.

**5.3.4 A. viridis** L., Sp. Pl. ed. 2: 1405. 1763; Hook. f., Fl. Brit. Ind. 4: 720. 1885; Basnet 2005. *Euxolus viridis* (L.) Moquin-Tandon; *Glomeraria viridis* (L.) Cav. Descr. Pl. 319 1802; *Pyxidium viride* (L.) Moq. Prodr. 13(2): 274. 1849. **Leaf Amaranth; Bon-notey; Lude, Lunde sag, Latte sag, Randhya, Chambucan.** AH. Abundant.

## 5.4 *Chenopodium* L.

**5.4.1 C. album** L., Sp. Pl. 1: 219. 1753; Boiss., Fl. Or. 4: 901. 1879; Hook. f., Fl. Brit. Ind. 5: 5. 1886. **Fat hen, Lamb's quarters, Pigweed, Bethe, Bethua sak.** AH.

## 5.5 *Deeringia* R.Br.

**5.5.1 D. amaranthoides** (Lam.) Merrill, Interpr. Rumph. Herb. Amboin. 211. 1917. *Achyranthes amaranthoides* Lamarck, Encycl. 1: 548. 1785; *Cladostachys amaranthoides* (Lamarck) K. C. Kuan. **Shrubby Deeringia.** SC. Common.

## 5.6 *Pupalia* Juss.

**5.6.1 P. lappacea** (L.) Juss., Ann. Mus. Hist. Nat. Paris. 2: 132. 1803; Hook. f., Fl. Brit. Ind. 4:724. 1885. *Achyranthes lappacea* L., Sp. Pl. ed. 1: 204. 1753. **Forest Burr, Creeping Cock's Comb; Ulta-kuro.** PH.

## 5.7 *Stilbanthus* Hook.f.

**5.7.1 S. scandens** Hooker f. in Hook. Icon Pl. 13: t. 1286. 1879. Herbs, shrubs or woody climber.

**6. ANACARDIACEAE** R. Br. in J.H. Tuckey, Narr. Exped. Zaire: 431. 5 Mar 1818, nom. cons. (the Cashew Family) Genus:10 ; Species: 14

## 6.1 *Choerospondias* B.L.Burt & A.W.Hill

**6.1.1 C. axillaris** (Roxb.) B.L. Burt & A.W. Hill, Ann. Bot. 1937, n. s. i. 254, in adnot.; Kew Bull. 1937, 407. 1937. *Spondias axillaris* Roxburgh, Fl. Ind., ed. 1832, 2: 45. 1832; *Poupartia axillaris* (Roxb.) King & Prain. **Lapsi.** Tree.

## 6.2 *Dobinea* Buch.-Ham. ex D. Don

**6.2.1 D. vulgaris** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 249. 1825; Hiern. in Hook.f., Fl. Brit. India 1: 696. 1875; Gamble 1878; D. Chandra & Mukh. in N.P. Singh et al., Fl. India 5: 451. 2000. **Samli, Sangli phul.** Shrub. Endemic. Less common.

## 6.3 *Drimycarpus* Hook.f.

**6.3.1 D. racemosus** (Roxb.) Hook. f. ex Marchand. Rév. Anacardiaceae. 172. 1869. *D. racemosus* (Roxb.) Hook. f., in Benth. & Hook. f., Gen. Pl. 1: 424. 1862; in Fl. Br. Ind. 2: 36. 1876; *D. racemosus* var. *longifolius* (Buch.-Ham. ex Roxb.) Marchand. Rév. Anacardiaceae. 172. 1869; *Holigarna racemosa* Roxb., Fl. Ind., ed. 1832, 2: 82. 1832. **Khag bhalayo.** Tree.

## 6.4 *Lannea* A. Rich. in Guillem.

**6.4.1 L. coromandelica** (Houtt.) Merr., J. Arn. Arb. 19: 353. 1938. *Dialium coromandelicum* Houtt., Nat. Hist. 2: 39. t. 5. f. 2. 1774. **Indian Ash tree, Bara dabdabbi, Hallunde, Holongre, Jeol.** Tree.

## 6.5 *Mangifera* L.

**6.5.1 M. indica** L., Sp. Pl. 1: 200. 1753. J. L. Stewart & Brandis, l.c.; Brandis, l.c.; Talbot, l.c. Tree.

## Aam, Aamli chukuli

**6.5.2 M. sylvatica** Roxb. Fl. Ind., ed. 1820, 2: 438. 1824; Gamble 1878. **Himalayan mango, Chuche aam, Chuchi Aam; Katúr-kúng.** Tree. Rare.

## 6.6 *Pegia* Colebr.

**6.6.1 P. nitida** Colebr., Tr. Linn. S. 15: 364. 1827. *Tapirira hirsuta* (Roxb.) Hook. f., Fl. Br. Ind. 2: 28 1876 (Gamble's list). **Chuti lahara, Mashullara, Romchiling-rik.** Scandent shrub.

## 6.7 *Rhus* L.

**6.7.1 R. chinensis** Mill., Gard. Dict. ed. 8 n. 7. 1768. *Rhus semialata* Murray, Comm. Doc. Goetting. 6: 27, pl. 2327. 1784 (Gamble's list); *R. semialata* var. *osbeckii* Candolle. **Datick, Bhakimlo, Bhagmili; Takhril-kúng.** Tree or shrub. Less common. Vulnerable.

## 6.8 *Semecarpus* L.f.

**6.8.1 S. anacardium** L.f., Suppl. Pl. 182. 1781 (Unresolved). **Indian marking nut tree; Bhola, Bhalayo, Kalo/Kag bhalayo.** Tree. Less common.

## 6.9 *Spondias* L.

**6.9.1 S. pinnata** (L.f.) Kurz, Prelim. Rep. Pegu. App. A, 44; App. B, 42. 1875; Bor, Man. Ind. For. Bot. 267.1953; W. Meijer, l.c.23. *Mangifera pinnata* Linnaeus f., Suppl. Pl. 156. 1782; *Poupartia pinnata* (Linnaeus f.) Blanco. **Yellow plum, Amaro, Ambara, Ambar Shing.** Tree.

## 6.10 *Toxicodendron* Mill.

**6.10.1 T. acuminatum** (DC.) C.Y. Wu & T.L. Ming, Fl. Reipubl. Popularis Sin. 45(1): 119, pl. 31, f. 4-5 119 1980. *Rhus acuminata* DC., Prodr. 2: 68. 1825 (Gamble's list). **Raniwalai; Serhnyok.** Tree.

**6.10.2 T. griffithii** (Hook.f) Kuntze, Revis. Gen. Pl. 153. 1891. *Rhus griffithii* J.D. Hooker. Tree.

**6.10.3 T. hookeri** (Sahni & Bahadur) C.Y. Wu & T.L. Ming, Fl. Reipubl. Popularis Sin. 45(1): 110. 1980. *Rhus hookeri* Sahni & Bahadur. Indian Forester 96: 769. 1970; *R. insignis* Hook. f., Fl. Brit. India 2(4): 11. 1876 (Gamble's list). **Kagphulai; Serh-kúng.** Tree. Common.



**6.10.4 T. succedaneum** (L.) Kuntze, Revis. Gen. Pl. 154. 1891. *Rhus succedanea* L., Mant. 2:221. 1771; Roxb., Fl. Ind. (Car. ed.) 2: 98. 1824; Wight, l.c. 2: t. 560. 1843; J.L. Stewart & Brandis, For. Fl. 121. 1874; Brandis, Indian Trees, 199. 1906; J.D. Hooker, l.c. 12, p.p.; *R. succedanea* var. *himalaica* J.D. Hooker, Fl. Brit. Ind. 2:12. 1876. **Arkhol**. Tree. Common.

**7. ANNONACEAE** Juss., Gen. Pl.: 283. 4 Aug 1789, nom. cons. (the Custard-apple Family) Genus: 7; Species: 16

**7.1 Annona L**

**7.1.1 A. squamosa** L. Sp. Pl. 537 1753. **Shariphal**. In cultivation.

**7.2 Artabotrys R.Br.**

**7.2.1 A. hexapetalus** (Linnaeus f.) Bhandari in Bailey 12(4): 149. 1965. *Annona hexapetala* Linnaeus f., Suppl. Pl. 270. 1782. **Manoranjini**. Shrub.

**7.3 Desmos Lour.**

**7.3.1 D. chinensis** Lour., Fl. Cochinch. 1: 352. 1790 (two varieties: laevigata and pubescens). *Unona chinensis* (Loureiro) Candolle. **Dwarf Ylangylang**. SC. Frequent.

**7.3.2 D. dumosus** (Roxb.) Saff., Bull. Torr. Bot. Club 39: 506. 1912. *Unona dumosa* Roxburgh, Fl. Ind. 2: 670. 1824. **Male lahara**. Climber. Common.

**7.3.3 D. praecox** (Hook.f. & Thomson) Saff. Bull. Torrey Bot. Club 39: 507. 1912. *Unona praecox* Hook.f. & Thomson, Fl. Ind. 1: 136. 1855. SC.

**7.4 Goniothalamus (Blume) Hook. f. & Thomson**

**7.4.1 G. sesquipetalis** (Wall.) Hook.f. & Thomson, Fl. Ind. 1: 108. 1855; Gamble 1878. *Guatteria sesquipetalis* Wall. Pl. Asiat. Rar. 3: t. 266. 1832; *Uvaria sesquipetalis* Colebr. ex Wall. Numer. List 6446. 1832. **Sané, Singnok-kúng**. Small shrub.

**7.5 Miliusa Lesch. ex A.DC.**

**7.5.1 M. codonantha** Chaowasku, sp. nov. Willdenowia - Annals of the Botanic Garden and Botanical Museum Berlin-Dahlem 43(1): 101-105, f.1-3. 2013 (New record from Darjeeling, not found in Kew list). Treelet.

**7.5.2 M. longiflora** (Hook. f. & Thoms.) J. Sinclair, Gard. Bull. Singapore 14: 378. 1955 (Unresolved). *Saccopetalum longiflorum* Hk. f. & T. Fl. Ind. 1: 151. 1855. **Shee-kúng**. Tree or shrub. Not common.

**7.5.3 M. macrocarpa** Hook.f. & Thoms., Fl. Ind. 150. 1855 [unresolved]. Tree. Not common.

**7.5.4 M. roxburghiana** (Wall.) Hook. f. & Thomson, Fl. Ind. 150. 1855; in Fl. Br. Ind. 1: 87. 1872; Gamble 1878 (Unresolved). *Hyalostemma roxburghianum* Wall. ex Meisn. Pl. Vasc. Gen. 6. 1837. **Sungden-kúng**. Small tree. Not uncommon.

**7.5.5 M. velutina** (Dunal) Hook. f. & Thoms., Fl. Ind. 1: 151. 1855; in Hook. f., Fl. Brit. Ind. 1: 87. 1872. *Guatteria velutina* (Dunal) A. DC. 1832; *Uvaria velutina* DC. in Dunal, Monogr. Anonac. 91. 1817. **Khari**. Tree.

**7.6 Polyalthia Blume**

**7.6.1 P. longifolia** (Sonn.) Thwaites, Enum. Pl. Zeyl. 398. 1864; Hook. f. & Thorns. in Hook. f., Fl. Brit. Ind. 1: 62. 1872. *Guatteria longifolia* Wall., Cat.

6442. 1832; Wight & Am., Prodr. 10. 1834; *Unona longifolia* (Sonn.) Dunal. Monogr. Fam. Anonac. 109. 1817; *Uvaria longifolia* Sonnerat, Voy. Indes. 3: 260. 1782. **Ashok, False Ashok, Mast tree**. Tree.

**7.6.2 P. simiarum** (Buchanan-Hamilton ex J. D. Hooker & Thomson) Benth., Gen. Pl. 1(1): 25 25 1862. J. D. Hooker & Thomson in J. D. Hooker, Fl. Brit. India. 1: 63. 1872. *Guatteria simiarum* Buchanan-Hamilton ex J. D. Hooker & Thomson, Fl. Ind. 1: 142. 1855; *P. simiarum* ssp. *cheliensis* (Hu) Bân; *Unona simiarum* (A. Hamilton ex J. D. Hooker & Thomson) Baill. ex Pierre. **Khuttikath, Lapche Kath, Labshi, Khari**. Tree. Rare.

**7.7 Uvaria L.**

**7.7.1 U. concava** Teijsm. & Binn. Ned. Kruidk. Arch. 3: 406 1855. *U. lurida* Hk. f. & T., Fl. Ind. 1: 101-102. 1855; *U. lurida* var. *macrophylla* Hook. f. & Thomson; *U. lurida* var. *sikkimensis* King. **Rabu lahara**. Climber.

**7.7.2 U. hamiltonii** Hook. f. & Thoms. Fl. Ind. 1: 96. 1855. *U. hamiltonii* var. *kurzii* King. Ann. R. Bot. Calc. 4: 17. 1893. **Bandar Jhula**. Scandent shrub. SC. Less common.

**7.7.3 U. macropoda** Hook.f. & Thomson, Fl. Ind. 1: 101. 1855; in Hook. f., Fl. Brit. India 1: 50. 1872 (unresolved). *Uva macropoda* Kuntze. Revis. Gen. Pl. 1: 7. 1891. **Rabu-lara**. Climber.

**8. APIACEAE** Lindl., Nat. Syst. Bot., ed. 2: 21. 13 Jun 1836, nom. cons., nom. alt. (the Carrot, Ginseng, Parsley family). Genus: 14 ; Species: 27

**8.1 Acronema Falc. ex Edgew.**

**8.1.1 A. bellum** (C.B. Clarke) P.K. Mukh., Bull. Bot. Surv. India 24: 42. 1983. *Pimpinella bella* C.B. Clarke. Fl. Brit. India 2: 686. 1879. Herb.

**8.1.2 A. tenerum** (DC.) Edgew., Tr. Linn. S. London 20: 51. 1846. *Helosciadium tenerum* de Candolle, Prodr. 4: 105. 1830; *Carum tenerum* (de Candolle) Franchet; *Pimpinella tenera* (de Candolle) C.B. Clarke. Herb.

**8.2 Bupleurum L.**

**8.2.1 B. candolleii** Wall. ex DC., Prodr. 4: 131. 1830 ["candolleii"]; C.B. Clarke in Hook. f., Fl. Ind. 2: 679. 1879. **Chadu**. PH.

**8.2.2 B. hamiltonii** N.P. Balakr., J. Bombay Nat. Hist. S. 63: 328. 1967. **Ban Sampu**. AH.

**8.3 Centella L.**

**8.3.1 C. asiatica** (L.) Urb. in Mart., Fl. Bras. 11(1): 287, t. 78. 1879; Das et al. 2008. *Hydrocotyle asiatica* L., Sp. Pl. 1: 234. 1753. **Indian pennywort; Golpatta, Paise jhar, Athanne jhar, Ghod-tapre, Brahmabuti, Tuni Manakuni**. PH. Common.

**8.4 Chaerophyllum L.**

**8.4.1 C. reflexum** Aitch., J. Linn. Soc., Bot. 18: 164. 1881. **Kashmir Chervil**. Herb.

**8.4.2 C. villosum** Wall ex DC., Prodr. 4: 225. 1830; C.B. Clarke in Hook. f., l.c. **Chyaum**. AH.

**8.5 Conioselinum Hoffm.**

**8.5.1 C. vaginatum** (Spreng.) Thell. Ill. Fl. Mitt.-Eur. 5(2): 1329 1926. *Ligusticum vaginatum* Sprengel, Pl. Min. Cogn. Pug. 2: 57. 1815. PH.

**8.6 Cortiella C. Norman**

- 8.6.1 *C. hookeri*** (C. B. Clarke) C. Norman, J. Bot. 75: 94, t. B. 1937. *Cortia hookeri* C. B. Clarke in J. D. Hooker, Fl. Brit. India 2: 702. 1879; *Schulzia hookeri* (C. B. Clarke) M. Hiroe. PH.
- 8.7 *Eryngium* L.**
- 8.7.1 *E. foetidum*** L., Sp. Pl. 1: 232. 1753. **Wild coriander.** PH.
- 8.8 *Heracleum* L.**
- 8.8.1 *H. nepalense*** D. Don, Prodr. Fl. Nep. 185. 1825. *H. nepalense* var. *bivittatum* C. B. Clarke; *Tetrataenium nepalense* (D. Don) Manden., Trud. Tbilissk. Bot. Inst. 20: 17. 1959. **Budho Aushaadhi, Chimping.** AH. Sparse.
- 8.8.2 *H. sublineare*** C.B. Clarke. Fl. Brit. Ind. 2: 713. 1879 (Unresolved). *Tetrataenium sublineare* (C.B. Clarke) Manden. ex Farille, Cauwet-Marc & S.B. Malla. Herb.
- 8.8.3 *H. wallichii*** DC., Prodr. 4: 195. 1830 (Unresolved). *Tetrataenium wallichii* (DC.) Manden., Zarnetki Sist. Geogr. Rast. 41: 47. 1986. **Chimping.** PH. Frequent.
- 8.9 *Ligusticum* L.**
- 8.9.1 *L. elatum*** (Edgew.) C.B. Clarke in Hook. f., Fl. Brit. Ind. 2: 698. 1879. Aromatic herb.
- 8.10 *Oenanthe* L.**
- 8.10.1 *O. javanica*** (Blume) DC., Prodr. 4: 138. 1830 ssp. *javanica* (Batalin) H. Hara. **Pan-Turasi.** Herb.
- 8.10.2 *O. thomsonii*** C.B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 697. 1879 ssp. *thomsonii* (Batalin) H. Hara. **Thomson's water dropwort.** AH.
- 8.11 *Pimpinella* L. 1753 not Ség. 1754**
- 8.11.1 *P. diversifolia*** var. *diversifolia* DC., Prodr. 4: 122. 1830; C.B. Clarke in Hook. f., l.c. 688. AH.
- 8.11.2 *P. diversifolia*** var. *stolonifera* Hand.-Mazz. Symb. Sin. 7(3): 714. 1933. *P. diversifolia* var. *sermentifera* Goel & U.C. Bhattach. AH.
- 8.11.3 *P. sikkimensis*** C. B. Clarke, Fl. Br. Ind. 2: 685. 1879 (Unresolved). Herb.
- 8.11.4 *P. tongloensis*** P. K. Mukh., Bull. Bot. Surv. India 12: 78. 1970 (Unresolved). Herb. Endangered.
- 8.11.5 *P. urceolata*** Watt ex Banerji, Journ. Bomb. Nat. Hist. Soc. 50 (1): 89. 1951 (Unresolved). Herb.
- 8.11.6 *P. wallichii*** C. B. Clarke, ; Fl. Br. Ind. 2: 685. 1879. Herb.
- 8.12 *Pleurospermum* Hoffm.**
- 8.12.1 *P. dentatum*** Benth. ex C.B. Clarke. Fl. Brit. India 2: 704. 1879 (Unresolved). *Hymenidium dentatum* (DC.) Pimenov & Kljuykov. Feddes Repert. 111: 546. 2000; *Hymenolaena dentata* DC. Prodr. 4: 245. 1830; *Ligusticum dentatum* Wall. Numer. List 547. 1829. PH.
- 8.13 *Sanicula* L.**
- 8.13.1 *S. elata*** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 183. 1825. *S. europaea* Linnaeus ssp. *elata* (Buchanan-Hamilton ex D. Don) H. de Boissieu. **Kanchurne.** Herb. Common.
- 8.13.2 *S. wallichianum*** (DC.) Raiz. & Saxena, Indian Forester, 92: 323. 1966. *Cortia wallichiana* (DC.) Leute in Ann. Naturhistor. Mus. Wien 73: 83. 1969; *Peucedanum wallichianum* DC., Prodr. 4: 181. 1830; *Selinum tenuifolium* Wall. **Wallich milk parsley; Himalaya Silge; Bhutkesh.** Herb. Less common.
- 8.14 *Sinocarum* Wolff ex Shan et Pu**
- 8.14.1 *S. clarkeanum*** P.K. Mukherjee & Constance, Edinb. J. Bot. 48 (1): 43. 1991 (Unresolved). Herb.
- 8.14.2 *S. sikkimense*** (P.K. Mukherjee) P. K. Mukh. & Constance, Edinb. J. Bot. 48 (1): 43. 1991 (Unresolved). *Acronema sikkimense* P.K. Mukherjee; *A. acronemifolia* (C.B. Clarke) H. Wolff p.p.; *Pimpinella acronemifolia* C.B. Clarke p.p. Herb.
- 9. APOCYNACEAE** Juss., Gen. Pl.: 143. 4 Aug 1789, nom. cons. (the Dogbane or Milkweed Family). Genus: 22; Species: 40
- 9.1 *Aganosma* (Blume) G. Don**
- 9.1.1 *A. gracilis*** Hooker f. in Fl. Brit. Ind. 3: 664. 1882. Common.
- 9.1.2 *A. heynei*** (Spreng.) ined. *A. caryophyllata* (Roxb. ex Sims.) G. Don. Gen. Syst. 5(4): 77. 1837; Hook. f. Fl. Brit. India 3: 664. 1882; *Echites heynei* Spreng, Syst. Veg. 1: 632. 1824. **Malati.** Twining shrub.
- 9.2 *Asclepias* L.**
- 9.2.1 *A. curassavica*** L., Sp. Pl. 1: 215. 1753; Hook. f., l.c.; Gamble 2: 833 (585). 1923. **Mexican Butterfly Weed, Blood Flower; Khursani kose phool.** Herb.
- 9.3 *Beaumontia* Wall.**
- 9.3.1 *B. grandiflora*** Wall., Tent. Fl. Nep. 15.t. 7. 1824. *Echites grandiflora* Roxburgh. **Chimale lahara.** Lianas. Rare.
- 9.4 *Calotropis* R.Br.**
- 9.4.1 *C. gigantea*** (L.) Dryand, Hortus Kew. 2: 78. 1811; Yonzon et al. 2012. *Asclepias gigantea* L. Sp. Pl. 214. 1753; *Calotropis gigantea* (L.) R. Br. ex Schult. Syst. Veg. 6: 91. 1820; *Madorius giganteus* (L.) Kuntze. **Crown Flower, Milkweed, Giant Milkweed, Bowstring hemp, Giant Milk Weed, Giant Calotrope, White madar. Aank.** Shrub. Sparse.
- 9.4.2 *C. procera*** (Aiton) Dryand. Hortus Kew. 2: 78. 1811. *Asclepias procera* Aiton, Hort. Kew. 1: 305. 1789. **Seto aank.** Shrub.
- 9.5 *Ceropegia* L.**
- 9.5.1 *C. bhutanica*** H. Hara, Bull. Bot. Surv. India 10. 273. 1969. PH.
- 9.5.2 *C. longifolia*** var. *longifolia* Wall., Pl. As. Rar. 1: 56, t. 73. 1830; Cat. 278, n. 8136. 1847. Climber.
- 9.5.3 *C. longifolia*** var. *darjilingensis* A.P. Das in Trans. Bose Res. Instt. 50(4): 109. 1987. SC. Endemic. Threatened.
- 9.5.4 *C. pubescens*** Wall., Pl. As. Rar. 2: 81, t. 187. 1831; Cat. 278, n. 8144. 1847. **Ban semi, Bansemilahara, Bhirke lahara, Mirke lahara, Mirkelahra or Mirkey lahara.** Climber.
- 9.6 *Chonemorpha* G. Don**
- 9.6.1 *C. fragrans*** (Moon) Alston in Ann. Roy. Bot. Gard. Perad. 11. 203. 1929. *Echites fragrans* Moon, Cat. Pl. Ceylon 20. 1824. Lianas. Common.
- 9.7 *Cryptolepis* R.Br.**
- 9.7.1 *C. dubia*** (Burm.f.) M.R. Almeida. Fl. Maharashtra 3A: 221. 2001. *Periploca dubia* Burm.f. **Wax leaved climber; Harjora lata, Krishna anantamul.** SC. Common.

- 9.7.2 C. sinensis** (Loureiro) Merr., Philipp. J. Sci. 15: 254. 1920. *Pergularia sinensis* Loureiro, Fl. Cochinch. 1: 167. 1790; *Emericia sinensis* (Loureiro) Schultes; *Periploca chinensis* Sprengel; *P. sinensis* (Loureiro) Steudel; *Streptocaulon chinense* (Sprengel) G. Don; *Vallaris sinensis* (Loureiro) G. Don. Climber. Less common.
- 9.8 Dischidia R.Br.**
- 9.8.1 D. indica** (Das et al. 2008). Not recorded in the Kew Plant List. AH. Abundant.
- 9.9 Gongronema (Endl.) Decne**
- 9.9.1 G. thomsonii** (Hook. f.) K.M. Matthew. Kew Bull. 34: 68. 1979. *Gymnema thomsonii* Hook. f. Fl. Brit. India [J. D. Hooker] 4: 32. 1883 [Jun 1883]; *Marsdenia thomsonii* Hooker f. in Fl. Brit. India 4: 32. 1883. SC. Rare.
- 9.10 Gymnema R.Br., Prodr. 461–462, March 1810, not R.Br. On the Asclepiadeae 22. April 1810**
- 9.10.1 G. macranthum** Hook. f. Hooker's Icon. Pl. 15: t. 1436. 1883 [1883-1885 publ. Dec 1883]. 15: t. 1436. 1883 (Unresolved). Herb.
- 9.11 Hemidesmus R.Br. 1810**
- 9.11.1 H. indicus** (L) R. Br. ex Schult. in Syst. Veg. 6: 126. 1820; Shrestha et al. 2004. *Periploca indica* L., Sp. Pl. 211. 1753. **Indian Sarsaparilla, East Indian sarsaparilla, Ananta Mul.** Twining shrub.
- 9.12 Hoya R.Br.**
- 9.12.1 H. arnottiana** Wight, Contr. B. Ind. 37. 1834 (Unresolved). Climber.
- 9.12.2 H. edenii** King ex Hook. f., Fl. Brit. India [J. D. Hooker] 4: 53. 1883 [Jun 1883][Unresolved]. Epiphyte. Less common.
- 9.12.3 H. fusca** Wall., Pl. Asiat. Rar. 1: 68, tab. 75. 1830. **Yellow Wax Flower.** SC. Rare.
- 9.12.4 H. globulosa** Hook. f. Gard. Chron. n.s., 1882(1): 732. 1882 (Unresolved). **Vermont Hoyas.** Climber. Rare.
- 9.12.5 H. lanceolata** Wall. ex D. Don, Prodr. Fl. Nep. 130. 1825 (Unresolved). **Kurkure jhar.** Epiphytic US.
- 9.12.6 H. linearis** Wall. ex D. Don, Prodr. Fl. Nep. 130. 1825. *H. linearis* var. *sikkimensis* Hook. f., B. Mag. 109: t. 6682. 1883; in Fl. Br. Ind. 4: 53. 1883. Epiphytic US.
- 9.12.7 H. longifolia** Wall. in Wight, Contrib. Bot. Ind. 36. 1834; Hook. f., Fl. Brit. Ind. 4: 56. 1883. Epiphytic shrub. Abundant.
- 9.12.8 H. parasitica** (Roxb.) Wall. ex Wight, Contr. Bot. India 37. 1834. *Asclepias parasitica* Roxb. Fl. Ind., ed. 2: 42. 1832. Epiphyte. Abundant.
- 9.12.9 H. serpens** Hook. f., Fl. Br. Ind. 4: 55. 1883 (Unresolved). Epiphytic US. Endemic. Rare.
- 9.13 Marsdenia R.Br.**
- 9.13.1 M. sylvestris** (Retz.) P.I. Forst. Austral. Syst. Bot. 8: 694. 1995. *Gymnema sylvestre* (Retzius) R. Brown ex Smith, Cycl. (Rees) 17(1): n.4. 1811; *G. sylvestre* (Retz.) Schult. Syst. Veg. 6: 57. 1820; *Periploca sylvestris* Retz. Observ. Bot. 2: 15. 1781. Lianas. Less common.
- 9.13.2 M. tinctoria** R. Brown, Mem. Wern. Nat. Hist. Soc. 1: 30. 1810. *M. tinctoria* var. *brevis* Costantin;
- M. tinctoria* var. *tomentosa* Masumune ex Tsiang & P. T. Li. Climber. Less common.
- 9.14 Microchites Markgr.**
- 9.14.1 M. polyanthus** (Blume) Miq. Fl. Ned. Ind. 2: 457. 1857. *M. elliptica* Hooker f. in Fl. Brit. India 3: 671. 1882. SC. Less common.
- 9.15 Myriopteron Griff.**
- 9.15.1 M. extensum** (Wight & Arn.) K. Schum. Nat. Pflanzenfam. 4(2): 215. 1895. *Streptocaulon extensum* Wight & Arnott in Wight, Contr. Bot. India 65. 1834; *Streptocaulon extensum* var. *paniculatum* (Griffith) Kurz. Lianas. Endemic.
- 9.16 Pergularia L.**
- 9.16.1 P. daemia** (Forssk.) Chiov., Result. Sci. Miss. Stef.-Paoli Somal. Ital. 1: 115. 1916; Blatt. & McCann in Journ. Bomb. Nat. Hist. Soc. 36: 528. 1933. *Asclepias daemia* Forssk. Fl. Aegypt-Arab., 51. 1775; *Cynanchum cordifolium* Retz., Obs., 2: 15. 1779-1781; *C. extensum* Jacquin, Misc. 2: 353. 1781-82. **Chhagal Bati.** PH.
- 9.16.2 P. exilis** (Colebr.) Spreng. Trans. Linn. Soc. London 12: 358-9, t. 16 358 1818. *Tylophora exilis* Colebrook in Trans. Lin. Soc. 12. 358, t. 16. 1818. Climber. Less common.
- 9.16.3 P. roylei** (Wight) D. Dietr. Syn. Pl. 2: 894. 1840. *P. roylei* Wight, Contr. Bot. India 40. 1834. *Marsdenia roylei* Wight, Contr. B. Ind. 40. 1834; **Baahuni Lahara, Dudhe lahara.** Twining shrub.
- 9.17 Periploca Tourn. ex. L.**
- 9.17.1 P. calophylla** (Wight) Falc. in Proc. Linn. Soc. 1: 115. 1841; Hook. f., Fl. Brit. Ind. 4:12. 1883 (Unresolved). *Streptocaulon calophyllum* Wight, Contr. Bot. India 65. 1834. SC.
- 9.18 Plumeria L.**
- 9.18.1 P. rubra** L. Sp. Pl. 209. 1753. **Graveyard flower.** Shrub.
- 9.19 Streptocaulon Wight & Arn. 1834**
- 9.19.1 S. sylvestre** Wight Contr. Bot. India 65. 1834; Fl. Brit. Ind. 4(10). 1883 (Unresolved). PC. Endemic. Rare and extremely endangered (Das 1996); Critically Endangered (Kadir & Das 2007).
- 9.20 Treutlera Hook. f.**
- 9.20.1 T. insignis** Hook. f., in Hook., Icon. Pl. 5: t. 1425. 1883 (Unresolved). Twining herb or shrub. Rare.
- 9.21 Tylophora R.Br.**
- 9.21.1 T. indica** (Burm. f.) Merrill in Philip. J. Sci. 19: 373. 1921. *Cynanchum indicum* Burm. f. Fl. indica 70. 1768. **Indian Ipecac, Indian ipecacuahna.** Twining or climbing herb. Rare.
- 9.21.2 T. ovata** (Lindl.) Hook. ex Steud., Nomencl. Bot. (ed. 2) 2: 726. 1841. *Diplolepis ovata* Lindl. Twining shrub. Less common.
- 9.22 Vincetoxicum Wolf 1776 not Walter 1788**
- 9.22.1 V. hirundinaria** Medik., Hist. Comm. Acad. Elect. Theod.-Palat. Phys. 6: 404 (1790) ssp. *glaucum* (Wall. ex Wight) H. Hara, in H. Hara et al., Enum. Flow. Pl. Nep. 3: 89 (1982). **White Swallow- Wort.** PH.

**10. AQUIFOLIACEAE** Bercht. & J. Presl, Prir. Rostlin: 2(110): 438, 440. 1825, nom. cons. (the Holly Family). Genus: 1; Species: 11

**10.1 Ilex Linnaeus**

**10.1.1 I. crenata** Thunb., Syst. Veg., ed. 14 (J.A. Murray). 168. 1784. **Japanese Holly**. Shrub.

**10.1.2 I. dipyrena** Wall. in Roxb. Fl. Ind. 1: 473. 1820; Gamble 1878; Brandis, For. Fl. N.W. & C. India, 76. t. 15. 1874 & Ind. Trees, 156. 1906; Hook. f., l.c. 599. *I. dipyrena* var. *connexiva* W. W. Smith; *I. dipyrena* var. *paucispinosa* Loesener. **Himalayan holly; Seto khasru, Lekh chotro**. Tree. Less common.

**10.1.3 I. fragilis** Hook. f., Fl. Br. Ind. 1: 602. 1875. *I. fragilis* f. *kingii* Loesener; *I. fragilis* f. *subcoriacea* C. J. Tseng. Shrub or small tree. Less common.

**10.1.4 I. godajam** (Colebr.) Wall. ex Hook.f. Fl. Brit. India [J. D. Hooker] 1: 604. 1875 [Feb 1875]; Gamble 1878. *Prinos godajam* Colebrooke in Wallich, Pl. Asiat. Rar. 3: 38. 1832; *I. godajam* f. *capitellata* (Pierre) Loesene. **Hathisure**. Shrub or small tree.

**10.1.5 I. hookeri** King, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 55: 266. 1886. **Lissi**. Tree. Endemic, rare.

**10.1.6 I. insignis** Hook. f., Fl. Br. Ind. 1: 599. 1875; Gamble 1878. **Lasuni**. Shrub or small tree. Less common.

**10.1.7 I. intricata** Hook. f., ; Fl. Br. Ind. 1: 602. 1875. *Ilex intricata* f. *macrophylla* H. F. Comber. **Nepal holly**. Shrub.

**10.1.8 I. odorata** Buch.-Ham. ex D. Don., Prodr. Fl. Nepal. 189. 1825 (Chaudhuri 1992). Tree.

**10.1.9 I. sikkimensis** Kurz, J. As. S. Beng. 44(2): 202. 1875. *Ilex sikkimensis* var. *coccinea* H. F. Comber. Tree. Rare.

**10.1.10 I. umbellulata** (Wall) Loes. Nova Acta Acad. Caes. Leop.-Carol. German. Nat. Cur. 78: 100. 1901. *I. umbellulata* var. *megalophylla* Loesener; *Ehretia umbellulata* Wallich in Roxburgh, Fl. Ind. 2: 344. 1824; *Pseudehretia umbellulata* (Wallich). Shrubs or trees.

**10.1.11 I. wightiana** Wall. ex Wight. Icon. Pl. Ind. Orient. 4: t. 1216. 1848. Tree.

**11. ARALIACEAE** Juss., Gen. Pl.: 217. 4 Aug 1789, nom. cons. (the Aralia, Ivy or Ginseng Family). Genus: 11; Species: 31

**11.1 Aralia L.**

**11.1.1 A. armata** (Wallich ex G. Don) Seem., J. Bot. 6: 134. 1868. *Panax armatus* Wallich ex G. Don, Gen. Hist. 3: 386. 1834. Shrub.

**11.1.2 A. cachemirica** Dcne. in Jacq., Voy. Bot. 4: 72. t. 81. 1844; C.B. Clarke in Hook. f., l.c. 722. *A. macrophylla* Lindl. in Bot. Reg. Misc. 73. 1844. **Kashmir aralia**. Shrub. Less common

**11.1.3 A. foliolosa** Seem. ex C. B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 723. 1879. Shrub. Less common.

**11.1.4 A. gigantea** J. Wen., J. Bot. 2: 295. 1864. *Pentapanax racemosus* Seem., J. Bot. 2: 295. 1864; *Parapentapanax racemosus* (Seem.) Hutch. **Chindey**. SC. Rare.

**11.1.5 A. kingdon-wardii** J. Wen, Lowry & Esser Adansonia III, 23: 308 2001. *Gamblea longipes* Merr. Shrubs/climbers/epiphytes. Recent record.

**11.1.6 A. leschenaultii** (DC.) J. Wen., Brittonia 45: 53. 1993. *Hedera leschenaultii* (DC.) Wight & Arn., Prodr. Fl. Ind. Or. 377. 1834; *Panax leschenaultii* DC., Prodr. 4: 254. 1830; *P. leschenaultii* (DC.) Seem., J. B. 2: 296. 1864; C.B. Clarke in Hook. F., Fl. Brit. Ind. 2: 724. 1879; *P. leschenaultii* var. *umbellatum* (Seem.) C.B. Clarke, Fl. Br. Ind. 2: 725. 1879, *Pentapanax fragrans* (D. Don) Ha. **Chindey**. Tree. Less common.

**11.1.7 A. sikkimensis** Parry in Mukherjee 2018 (Not recorded in the Kew list). **Rakadap chheh, Thingkokcha, Chimchok, Namturebang**. Near threatened.

**11.2 Brassaiopsis**

**11.2.1 B. glomerulata** (Blume) Regel, Gartenfl. 12: 175, t. 411. 1863. *B. speciosa* Decne & Plunch, *Aralia glomerulata* Blume, Bijdr. 873. 1826; *Hedera glomerulata* (Blume) DC., Prodr. 4: 265. 1830; *Macropanax glomerulatus* (Blume) Miquel. **Kalo chuletro, Chinde**. Tree. Less common.

**11.2.2 B. hainla** (Buch.-Ham. ex D. Don) Seem., J. Bot. 2: 291. 1864; Rev. Hederac. 18. 1868. *Hedera hainla* Buchanan-Hamilton in D. Don, Prodr. Fl. Nepal. 187. 1825; *Pseudobrassaiopsis hainla* (Buchanan-Hamilton) R.N. Banerjee. **Seto Chuletro; Sang-zam-kung**. Tree. Less common.

**11.2.3 B. hispida** Seem., J. Bot. 2: 292. 1864. *Pseudobrassaiopsis hispida* (Seemann) R. N. Banerjee. **Putta or Phutta, Sang-zam-kung**. Shrub. Less common.

**11.2.4 B. mitis** C.B. Clarke, Fl. Br. Ind. 2: 736. 1879. *Euraliopsis mitis* (C.B. Clarke) N.P. Balakr.; *Pseudobrassaiopsis mitis* (C.B. Clarke) R.N. Banerjee. **Phutta, Chuletro, Sang-zam-kung**. Shrub or small tree. Endemic, less common.

**11.3 Gamblea C.B. Clarke**

**11.3.1 G. ciliata** var. *ciliata* C.B. Clarke in Hook. f., Fl. Brit. Ind. 2: 739. 1879; Biswas, Pl. Darjeeling Sikkim Himalaya 1: 400. 1966; Hara et al., Enum. Flow. Pl. Nepal 2: 191. 1979. **Kursimla**. Tree, rarely shrub. Rare.

**11.4 Hedera L.**

**11.4.1 H. nepalensis** K. Koch, H. Dendr. 284. 1853. *Hedera himalaica* Tobler, Gatt. Hedera 67, f. 31-38. 1912. **Himalayan Ivy, Kathe laharo, Dudelaa, Singbana**. Woody climber. Less common.

**11.5 Hydrocotyle L.**

**11.5.1 H. himalaica** P.K. Mukh., Ind. For. 95: 470, t. 1. 1969. **Himalayan Pennywort; Botuke-jhar, Ghora Tophay, Taapre**. PH. Endemic. Abundant.

**11.5.2 H. javanica** Thunb., Dissert. 2: 415. t. 3. 1800; C.B. Clarke in Hook. f., l.c. **Dhungri jhar**. PH. Common.

**11.5.3 H. sibthorpioides** Lam., Encycl. 3: 153. 1789. **Tike Ghodtapre**. AH.

**11.6 Heteropanax Seem.**

**11.6.1 H. fragrans** (Roxb.) Seem. Fl. Vit. 114 1866. **Lal Totola**. Tree. Rare.

**11.7 Macropanax Miq.**

**11.7.1 *M. dispermus*** (Bl.) O. Kuntze, Fl. E. Himal. 227. 1966. *Aralia disperma* Blume, Bijdr. 872. 1826; *Hedera disperma* (Blume) Candolle; *Macropanax dispermus* (Blume) Kuntze var. *integer* C. B. Shang. **Gu Shing**. Tree. Rare.

**11.7.2 *M. undulatus*** (Wall. ex G. Don) Seem., J. Bot. 2: 294. 1864 [“undulatum”]. *Hedera undulata* Wallich ex G. Don, Gen. Hist. 3: 394. 1834. **Chinde**. Tree.

### **11.8 *Merrillioanax* H.L.Li**

**11.8.1 *M. alpinus*** (C.B. Clarke) C.B. Shang, Bull. Mus. Natl. Hist. Nat., B, Adansonia. 5: 293. 1983. *Brassaiopsis alpina* C. B. Clarke in J. D. Hooker, Fl. Brit. India 2: 736. 1879; *Pseudobrassaiopsis alpina* (C. B. Clarke) R. N. Banerjee. **Bhote Phutta**. Tree. Endemic to Eastern Himalayas. Rare.

### **11.9 *Panax* L.**

**11.9.1 *P. bipinnatifidus*** var. *angustifolius* (Burkill) J. Wen, Proc. Int. Ginseng Workshop 73. 2001. *P. assamicus* R.N. Banerjee, Bull. Bot. Surv. India 10: 23. 1968; Pandey et al. 2007; Sharma & Pandit 2011; Pandey & Ali 2012. **Feather-leaf bamboo ginseng, Pearl ginseng**. Herb. Endangered.

**11.9.2 *P. pseudoginseng*** Wall., Trans. Med. Phys. S. Calc. 4: 117. 1829; Pl. As. Rar. 2: 30, t. 137. 1831 ssp. *himalaicus* H. Hara, J. Jap. B. 45: 208, f. 2b, t. 11c-e & t. 12. 1970; in Fl. E. Him. 2: 90. 1971. *Aralia pseudo-ginseng* (Wall.) Benth. ex C. B. Clarke, Fl. Br. Ind. 2: 721. 1879. *P. pseudoginseng* var. *angustifolius* (Burkill) Li; *P. sikkimensis* R. N. Banerjee, Bull. B. Surv. Ind. 10: 21, t. 1 (1968). **Himalayan false ginseng; Batase, Chandra, Saatgaathe, Satpate, Mangen, Nadar**. PH. Threatened.

**11.9.3 *P. pseudoginseng*** var. *angustifolius* f. *serratus* Bhujel & Das. forma novo. AH.

**11.9.4 *P. pseudoginseng*** Wall. var. *bipinnatifidus* (Seemab) Li. **Himalayan Ginseng, Nepal Ginseng**. Herb. Endangered.

**11.9.5 *P. pseudoginseng*** var. *bipinnatifidus* f. *neoraensis* Bhujel & Das. forma novo. AH.

### **11.10 *Schefflera* J.R.Forst. & G.Forst. (1775)**

**11.10.1 *S. elata*** (Buchanan-Hamilton) Harms in Engler & Prantl, Nat. Pflanzenfam. 3(8): 38. 1894. *Agalma elatum* (Buchanan-Hamilton) Seemann; *Hedera elata* Buchanan-Hamilton in D. Don, Prodr. Fl. Nepal. 187. 1825; *Heptapleurum elatum* (Buchanan-Hamilton) C.B. Clarke; *H. elatum* var. *griffithii* (Seem.) C.B. Clarke; *Paratropia elata* (Buch.-Ham.) K. Koch; *Sciodaphyllum elatum* (Buch.-Ham.) Seem. **Gufla**. Epiphyte. Less common.

**11.10.2 *S. pubigera*** (Brongn. ex Planch.) Frodin, World Checklist Bibliogr. Araliaceae 368. 2003 publ. 2004. *S. bengalensis* Gamble, Kew Bull. 229. 1919; *Heptapleurum venulosum* Seem. **Kuntiong-rik**. SC. Abundant.

**11.10.3 *S. rhododendrifolia*** (Griff.) Frodin World Checklist Bibliogr. Araliaceae 371. 2003 publ. 2004. *S. impressa* (C. B. Clarke) Harms, in Engl., Pflfam. 3-8: 38. 1894, *Panax rhododendrifolius* Griff. Itin. Pl. Khasyah Mts. 487. 1848; *Heptapleurum impressum* C.B. Clarke. **Bhalu chinde** or **Bhalu Phutta**. Tree. Less common.

**11.10.4 *S. roxburghii*** Gamble, Fl. Madras, Pt. 3: 570. 1919; Subram., Indian For. 96: 529. 1970. *S. venulosa* (Wight & Arn) Harms var. *roxburghii* (Gamble) Khanna, Journ. Econ. Tax. Bot. 26:144. 2002. SC. Rare.

**11.10.5 *S. venulosa*** (Wight & Arn.) Harms, in Engl., Pflfam. 3-8: 39. 1894. *S. venulosa* (Wt. et Arn.) Harms var. *macrophylla* (Wall. et Clarke) A.P. Das. *Heptapleurum venulosum* (Wight & Arn.) Seem., J. Bot. 3: 80. 1865; Rev. Hederac. 44. 1868; *Paratropia venulosa* Wight & Arn., Prodr. fl. Ind. orient. 377. 1834. **Dain, Singhata**. SC. Rare.

### **11.11 *Trevesia* Vis., 1842**

**11.11.1 *T. palmata*** (Roxb. ex Lindl.) Vis. Mem. Reale Accad. Sci. Torino 2, 4: 262 1842. *Gastonia palmata* Roxb. ex Lindl. Bot. Reg. 11: t. 894 1825; *Gilibertia palmata* (Roxb. ex Lindl.) DC. Prodr. 4: 256. 1830; *Trevesia palmata* var. *echinata* : Hooker's specimen No.537 at Kew collected from Chibla khola, Darjeeling (Jebb 1998). **Snowflake tree; Snowflake Aralia**. Tree. Common.

**12. ARISTOLOCHACEAE** Jussieu. Gen. Pl. : 72. 4 Aug 1789; nom. cons. (Birthwort or Dutchman's-pipe Family). Genus: 1; Species: 7

### **12.1 *Aristolochia* L.**

**12.1.1 *A. griffithii*** Hooker f. & Thomson ex DC. Prodr. 15(1): 437. 1864. *Isotrema griffithii* (Hook. f. & Thomson ex Duch.) C.E.C. Fisch. **Pitcher plant, Baleyka**. SC. Rare.

**12.1.2 *A. indica*** L. Sp. Pl. 960. 1753; Hook. f., Fl. Brit. India 5: 75. 1886. *Aristolochia lanceolata* Wight, Ic. t. 1858. 1852. **Indian birthwort**. PH. Rare.

**12.1.3 *A. littoralis*** Parodi. Anales Soc. Ci. Argent. 5: 155. 1878. *A. elegans* Masters in Gard. Chron. 2: 301. 1885. **Calico flower, Elegant Dutchman's pipe**. PC. Relatively common in closed forests.

**12.1.4 *A. nakaoui*** Maek. Acta Phytotax. Geobot. 15: 173 1954. *Isotrema nakaoui* (Mackawa) A. R. Smith in Bot. Mag. Tokyo 178 : sub.t. 576.1970.

**12.1.5 *A. platanifolia*** (Klotz) Duchartre in DC. Prodr. 15(1): 437. 1864 4; Hooker f., Fl. Brit. India 5:78.1886. *Siphisia platanifolia* Klotzsch. Monatsb. Akad. Wiss. Berl. 1859: 603.1859. Climber. Rare.

**12.1.6 *A. saccata*** Wall., Pl. Aiat. Rar. 2: 103. 1830. *Aristolochia cathcartii* J. D. Hooker. Fl. Brit. India 5: 77. 1886; *Siphisia saccata* (Wall.) Klotzsch. Twining shrub. Less common.

**12.1.7 *A. tagala*** Cham. Linnaea 7: 207. t. 5, 3. 1832. *A. acuminata* Lam., Encycl. 1: 254. 1783; *A. roxburghiana* Klotzsch. **Indian birthwort, Dutchman's pipe**. Twining herb. Common.

**13. ASTERACEAE** Bercht. & J. Presl, Prir. Rostlin: 254. Jan–Apr 1820, nom. cons., nom. alt. (the Aster, Composite, Daisy or Sunflower Family). Genus:83 ; Species: 166

### **13.1 *Achillea* L.**

**13.1.1 *A. millefolium*** L., Sp. Pl. 2: 899. 1753; Hook. f., Fl. Brit. Ind. 3: 312. 1881. **Gondana**. PH.

**13.2 *Acmella*** Rich. ex Pers.

- 13.2.1** *A. calva* (DC.) R.K. Jansen, Syst. Bot. Monogr. 8: 41. 1985. *Spilanthes calva* Candolle in Wight, Contr. Bot. India, 19. 1834; *S. acmella* var. *calva* (DC.) Clarke ex Hooker f. *Maraathii geraasapan*, **Kalijhar**. PH. Abundant.
- 13.2.2** *A. paniculata* (Wall. ex DC.) R.K. Jansen, Syst. Bot. Monogr. 8: 67. 1985. *A. paniculata* f. *calva* J.Kost.; *A. calva* (DC.) Jansen, Syst. Bot. Monogr. 8: 41. 1985; *Spilanthes paniculata* Wall. ex DC. **Panicled Spot Flower; Laato ghaans, Maaratii, Kalijhar**. AH. Common.
- 13.2.3** *A. uliginosa* (Sw.) Cass., Dict. Sci. Nat., ed. 2, 24: 331. 1822. *Jaegeria uliginosa* (Sw.) Spreng., *Spilanthes uliginosa* Sw. **Marsh Para Cress; Gorakba, Pirazh**. AH.
- 13.3** *Adenostemma* J.R.Forst. & G.Forst., 1775
- 13.3.1** *A. lavenia* (L.) Kuntze, Rev. Gen. Pl. 1: 304. 1891; Chater in H. Hara et al., Enum. Flow. Pl. Nep. 3: 9. 1982. *A. lavenia* var. *latifolium* (D. Don) Handel-Mazzetti, Symb. Sin. 7: 1086. 1936; *A. lavenia* var. *lavenia*; *Verbesina lavenia* L., Sp. Pl. 2: 902. 1753. **Buro-Keshuti, Rato danthe ghans**. AH.
- 13.3.2** *A. suffruticosum* Gardner, London J. Bot. 6: 433. 1847; Hattori & Nakajima in Hoehnea, 38(2): 44. 2011. *A. scaevolifolium* Martius ex Baker, Fl. Bras. (Martius) 6(2): 186. 1876 [1 Feb 1876]. US.
- 13.4** *Ageratina* Spach
- 13.4.1** *A. adenophora* (Sprengel) R. M. King & H. Robinson, Phytologia. 19: 211. 1970; Das et al. 2008. *Eupatorium adenophorum* Spreng., Syst. Veg., ed. 16, 3: 420. 1826, based on *E. glandulosum* Kunth in H.B.K., Nov. Gen. Sp. 4: 122, t. 346. 1820, not Michaux (1803). **Eupatory, Crofton weed; Banmara, Kalo banmara, Kalijhar, Muknak**. Perennial herbaceous shrub. Abundant.
- 13.4.2** *A. ligustrina* (DC.) R.M. King & H. Rob. Phytologia 19(4): 223. 1970; Yonzon et al. 1970. *Eupatorium ligustrinum* DC., Prodr. 5: 181. 1836; Yonzon et al. 1970. **Privet-leaved ageratina/snakeroot**. Perennial shrub or sometimes subshrub.
- 13.5** *Ageratum* L. 1753 not Mill. 1754 (Plantaginaceae)
- 13.5.1** *A. conyzoides* L., Sp. Pl. 2: 839. 1753; Gamble 2: 672 (476). 1921; Basnet 2005. **Goat Weed; Ganmane ghans, Gandhe (Seto), Elami-paat, Ilamay jhar, Nambuyu myk, Oochunti, Rogpungon**. AH. Abundant.
- 13.5.2** *A. houstonianum* Miller, Gard. Dict., ed. 8. *Ageratum* no. 2. 1768. *A. mexicanum* Sims.; *A. conyzoides* ssp. *houstonianum* (Mill.) Sahu in Feddes Repert. 93: 61-65. 1982. **Gandhe (Nilo), Ilame jhaar**. AH. Abundant.
- 13.6** *Ainsliaea* DC.
- 13.6.1** *A. aptera* DC., Prodr. 7: 14. 1838. *A. aptera* f. *paniculata* Kuntze. **Wingless Ainsliaea**. PH.
- 13.6.2** *A. latifolia* (D. Don) Sch. Bip., Jahresber. Pollichia 18-19: 169. 1861. *Liatris latifolia* D. Don, Prodr. Fl. Nepal. 169. 1825. **Sahadeva-sahadevee**. AH. Common.
- 13.7** *Alstonia* R.Br.
- 13.7.1** *A. nerifolia* D. Don, Prodr. Fl. Nepal. 131. 1825. Tree. Rare.
- 13.7.2** *A. scholaris* (L.) R. Br. in Mem. Wern. Nat. Hist. S. 1: 75 (1811, preprint 1810); DC., Prodr. l.c. 408; Wall., Cat. 44, n. 1644 (1829); Wight, Ic. Pl. Ind. Or. 2: t. 422 (1840-43); Brandis, For. Fl. 325. 1874; Bentley & Trimen, Med. Pl. 3: t. 173 (1877). Hook. f. in Fl. Br. Ind. 3: 642 (1882); C. R. Rao in Ind. For. 93: 51. (Linn.) R.Br. in Mem. Wern. Soc. 1:76. 1811. *Nerium tinctorium* Perr. 1824. **Devil's Tree; Chatium, Chhatim, Chhatiwan, Aak Chhataun, Chhatni**. Tree. Abundant.
- 13.8** *Anaphalis* DC. (1838)
- 13.8.1** *A. adnata* Wall. ex DC., Prodr. 6: 274. 1838; C. B. Clarke, Composit. Ind. 108. 1876; Hook.f., Fl. Brit. Ind. 3: 282. 1881. *Gnaphalium adnatum* (Wall. ex DC.) Kitam., Wall. Cat. 101. n. 2948. 1831. nom.nud.; *G. adnatum* (Wall. ex DC.) Kitamura in J. Jap. Bot. 21: 51. 1947. **Buki phul**. AH.
- 13.8.2** *A. busua* (Buch.-Ham. ex D. Don) DC., Prodr. 6: 275. 1838. *Gnaphalium busua* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 173. 1825. **Pearly Everlasting, Buki phool**. AH. Common.
- 13.8.3** *A. contorta* (D. Don) Hook. f., ; Fl. Br. Ind. 3: 284. 1881. *A. contorta* var. *pellucida* (Franchet) Y. Ling; *A. contorta* var. *pellucida* (Franchet) Y. Ling; *Antennaria contorta* D. Don, Bot. Reg. 7: t. 605. 1822; *Gnaphalium contortum* (D. Don) Buchanan-Hamilton. **Eared-Leaf Pearly Everlasting; Buki Phool**. PH. Abundant.
- 13.8.4** *A. margaritacea* (L.) Benth. & Hook.f., Gen. Pl. 2: 303. 1873. *A. margaritacea* var. *cinnamomea* (Candolle) Herder ex Maximowicz, Bull. Acad. Imp. Sci. Saint-Petersbourg. 27: 481. 1882; *A. margaritacea* var. *margaritacea*; *Gnaphalium margaritaceum* L., Sp. Pl. 2: 850. 1753. **Western pearly everlasting**. AH. Abundant.
- 13.8.5** *A. subumbellata* C. B. Clarke, Comp. Ind. 108 (1876). Herb.
- 13.8.6** *A. triplinervis* (Sims.) Sims. ex C.B. Clarke., Comp. Ind. 105. 1876; Hook.f., Fl. Brit. Ind. 3: 281. 1881. *A. triplinervis* var. *triplinervis*; *A. triplinervis* var. *intermedia* (DC.) Airy Shaw, B. Mag. 158: t. 9396. 1935; *A. triplinervis* var. *monocephala* (DC.) Airy Shaw, B. Mag. 158: t. 9396. 1935; *Antennaria triplinervis* var. *cuneifolia* DC., Prodr. 6: 270. 1838. **Buki Phool, Samsori**. PH. Abundant
- 13.9** *Artemisia* L.
- 13.9.1** *A. dubia* Wall. ex Besser, Nouv. Mem. S. Imp. Nat. Mosc. 3: 39. 1834; D. C. Prodr. 6: 110. 1838. **Titepati, Paati, Namnewa, Kemba girbu, Chyangchin**. Subshrubs or herbs. Frequent.
- 13.9.2** *A. indica* Willd., Sp. Pl. ed. 4, 3: 1846. 1804. **Asian mugwort, Titepati**. PH. Common.
- 13.9.3** *A. japonica* Thunb., Fl. Jap. 310. 1784. *A. japonica* var. *parviflora* (Roxb. ex D. Don) Pamp., l. c. 34: 665; *Oligosporus japonicus* (Thunb.) Poljakov in Tr. Inst. Bot. Akad. Nauk. Kazakh. SSR 11: 168. 1961. **Chyenti**. US.
- 13.9.4** *A. nilagirica* (C.B. Clarke) Pamp., Nuovo Giorn. Bot. Ital. ser. 2, 33: 452. 1926. *A. vulgaris* var. *nilagirica* C.B. Clarke, Compos. Ind. 162. 1876.

**Indian wormwood, Fleabane, Mugwort; Nagadana, Titepathi.** Aromatic shrub.

**13.9.5** *A. vulgaris* L., Sp. Pl. 848. 1753; DC., Prodr. 6: 112. 1837; C.B. Clarke, Comp. Ind. 161. 1876; Hook. f., Fl. Brit. Ind. 3: 325. 1881 pro parte. **Common wormwood, Felon Herb, Mugwort, St. John's Plant, Wegwood, Wild wormwood; Titeypati, Tuk-gnyel.** PH. Abundant.

**13.10** *Aster* L., 1753

**13.10.1** *A. himalaicus* C. B. Clarke, Comp. Ind. 43. 1876; Hook. f., Fl. Brit. Ind. 3: 250. 1881. **Himalayan aster.** PH.

**13.10.2** *A. sikkimensis* Hook.f. & Thoms., Bot. Mag. 77: t. 4557. 1851. **Sikkim aster.** PH or subshrub.

**13.11** *Bellis* L.

**13.11.1** *B. perennis* L., Sp. Pl. 2: 886. 1753. **Common daisy.** AH or PH

**13.12** *Bidens* L.

**13.12.1** *B. pilosa* L., Sp. Pl. 2: 832. 1753; Gamble 2: 709 (499). 1921. *B. pilosa* var. *minor* (Blume) Sherff; *B. pilosa* f. *radiata* Schultz Bipontinus; *B. pilosa* var. *radiata* (Schultz Bipontinus) J.A. Schmidt; *B. pilosa* f. *rubiflora* S.S. Ying. **Spanish Needle; Kalo kuro, Kuro jhar, Tikhe kuro, Nir, Tsyathun, Katare.** AH. Common.

**13.13** *Blainvillea* Cass.

**13.13.1** *B. acmella* (L.) Philipson, Blumea. 6: 350. 1950. *Bidens acmella* Lam. Encycl. Méth. Bot. 1: 415. 1783; *Verbesina acmella* L., Sp. Pl. 2: 901. 1753; *Pyrethrum acmella* Medic. Obs. Bot. 243. 1775; *Spilanthes acmella* (L.) Murray. **Para Cress; Toothache Plant, Eyeball Plant.** AH.

**13.14** *Blumea* DC. 1883, conserved name, not Rchb. 1828 (Malvaceae) nor G. Don 1831 (Actinidiaceae)

**13.14.1** *B. axillaris* (Lam.) DC., Prodr. 5: 434. 1836. *Conyza axillaris* Lam.; *Erigeron molle* D. Don, Prodr. Fl. Nepal 172. 1825. **Soft blumea.** AH.

**13.14.2** *B. balsamifera* (L.) DC. Prodr. 5: 447. 1836. *Baccharis balsamifera* Stokes; *Conyza balsamifera* L.; *Pluchea balsamifera* (L.) Less. **Dog-bush; Kukursoka.** Perennial shrub or subshrub.

**13.14.3** *B. bifoliata* (L.) DC. in Wight, Contrib. Bot. Ind. 14. 1834; Hook.f. FL. Brit. India 3: 261. 1881. *Conyza bifoliata* L. Sp. Pl. 1207. 1753. Herb.

**13.14.4** *B. chinensis* (L.) DC. Prodr. 5: 444. 1836, excl. syn. *Conyza chinensis* (L.) Hook. f. in Fl. Br. Ind. 3: 268. 1881. *Baccharis chinensis* Lour.; *Cacalia chinensis* (L.) Kuntze; *Duhaldea chinensis* (Lour.) DC. Herb.

**13.14.5** *B. fistulosa* (Roxb.) Kurz. J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 46(2): 187. 1877 [2 Aug 1877]. *Blumea fistulosa* (Roxb.) Kurz, *Conyza fistulosa* Roxb., Fl. Ind., ed. 1832, 3: 429. 1832. **Clustered Blumea.** AH.

**13.14.6** *B. hieraciifolia* (Sprengel) DC., in Wight, Contr. B. Ind. 15. 1834; Prodr. 5: 442. 1836 (Unresolved). *Conyza hieraciifolia* Sprengel, Syst. Veg. 3: 514. 1826 ["hieracifolia"], based on *Erigeron hieraciifolius* D. Don, Prodr. Fl. Nepal. 172. 1825 ["hieracifolium"], not Poiret (1808). **Sahasrabuti.** PH.

**13.14.7** *B. lacera* (Burf. f.) DC. in Wight, Contr. B. Ind. 14. 1834; Prodr. 5: 436 (1836); Gamble 2: 687 (483). 1921. *B. lacera* var. *cinerascens* (DC.) Hook. f., Fl. Br. Ind. 3: 263. 1881, *Conyza lacera* Burm.f. Fl. Ind. 180.t.55.1768. **Kukure, Rand, Thulo mulapate.** AH.

**13.14.8** *B. laciniata* (Wall. ex Roxb.) DC., Prodr. 5: 436. 1836. *Conyza laciniata* Roxb., Hort. Beng. 61. 1814. **Cutleaf blumea; Cutleaf false oxtongue; Thulo mulapate.** AH.

**13.14.9** *B. lanceolaria* (Roxb.) Druce in Bot. Soc. Exch. Cl. Br. Isles 4: 609 (1917). *B. lanceolaria* var. *spectabilis* (Candolle) Randeria, *Conyza lanceolaria* Roxburgh, Fl. Ind., ed. 1832, 3: 432. 1832. **Lanceleaf Blumea.** PH.

**13.14.10** *B. obliqua* (L.) Druce in Bot. Exch. Club. Soc. Brit. Isles. 4: 609. 1917. *Erigeron obliquam* L. Mant. Pl. 573. 1771. Herb.

**13.14.11** *B. repanda* (Roxb.) Hand.-Mazz. Symb. Sin. 7: 1378. 1936. *Conyza repanda* Roxb. in Fl. Ind. Ed. 2, 3: 413. 183. PH.

**13.14.12** *B. riparia* (Blume) DC. in Prodr. 5: 444. 1836. *Conyza riparia* Blume, Bijdr. 899. 1826, not Kunth (1818). Shrub.

**13.14.13** *B. wightiana* DC. in Wight, Contributions to the Botany of India 14. 1834; Prodr. 5: 435. 1836; Hook. f., Fl. Brit. Ind., 3: 261. *Conyza wightiana* Wall. ex DC. Herb.

**13.15** *Blumeopsis* Gagnep.

**13.15.1** *B. flava* (DC.) Gagnep. in Bull. Mus. Hist. Nat. Paris. 26: 75. 1929; S. Gould in Hara et al., Enum. Fl. Pl. Nepal 3: 17. 1982; .C., Prodr. 5: 439. 1836. *Laggera flava* (DC.) Benth. in Gen. Pl. 2: 290. 1873; C. B. Clarke, Composit. Ind. 90. 1876; Hook.f., Fl. Brit. Ind. 3: 270. 1881. **Torigande.** Herb.

**13.16** *Calendula* L.

**13.16.1** *C. officinalis* L., Sp. Pl. 2: 921. 1753. **Marigold.**

**13.17** *Carpesium* L.

**13.17.1** *C. abrotanoides* L., Sp. Pl. 2: 860. 1753. PH.

**13.17.2** *C. trachelifolium* Less., Linnaea 6: 233. 1831. *C. cernuum* L. var. *trachelifolium* (Lessing) C. B. Clarke. AH.

**13.18** *Carissa* L.

**13.18.1** *C. spinarum* L. Mant. Pl. 2: 559. 1771. **Karamacha.** Shrub.

**13.19** *Catharanthus* G. Don

**13.19.1** *C. roseus* (L.) G. Don, Gen. Syst. 4: 95. 1837. *C. roseus* var. *albus* G. Don; *Vinca rosea* L., Syst. Nat. ed. 10. 944. 1759; *V. rosea* var. *alba* (G. Don) Sweet *Ammocallis rosea* (L.) Small; *Lochnera rosea* (L.) Reichenbach ex Endlicher; *L. rosea* var. *alba* (G. Don) Hubbard; *L. rosea* var. *flava* Tsiang; *Pervinca rosea* (L.) Moench. **Nayantara.** Subshrub or herb. Planted.

**13.20** *Centipeda* Lour.

**13.20.1** *C. minima* (L.) A. Br. & Asch., Ind. Sem. H. Berol. App. 6. 1867. *C. minima* var. *lanuginosa* (Candolle) Domin; *Artemisia minima* L., Sp. Pl. 2: 849. 1753; *Cotula minima* (L.) Willdenow; *Dichrocephala minima* (L.) Bojer; *Grangea minima* (G. Forster) Poiret; *Myriogyne minima* (L.) Lessing ex

Seemann. **Mechilta Chhiunke Jhaar, Hachhiu jhaar.** PH.

### 13.21 *Chaetoseris* C. Shih

**13.21.1** *C. cyanea* (D. Don) C. Shih. Acta Phytotax. Sin. 29: 404. 1991. *Cicerbita cyanea* (D. Don) P. Beauv., Bull. S. B. Geneve ser. 2, 2: 132. 1910; Hajra in Hajra et al., Fl. India 12: 268. 1995; *Cicerbita cyanea* var. *glandulifera* (Franch.) P. Beauv., Bull. S. B. Geneve ser. 2, 2: 133. 1910; *Melanoseris cyanea* Edgew. (unresolved); *M. cyanea* (D. Don.) C. Shih, Acta Phytotax. Sin. 29: 404. 1991; *Mulgedium cyaneum* (D. Don) DC.; *Sonchus cyaneus* D. Don., Prodr. Fl. Nepal 164. 1825. AH.

**13.21.2** *C. macrantha* (C.B. Clarke) C. Shih, Acta Phytotax. Sin. 29: 403. 1991. *Cicerbita macrantha* (Hook. f. & Thoms. ex C. B. Clarke) P. Beauv., Bull. S. B. Geneve ser. 2, 2: 130. 1910; *Lactuca macrantha* C.B. Clarke, Comp. Ind. 267. 1876. **Large Flowered Violet Dandelion.** PH.

### 13.22 *Chromolaena* DC.

**13.22.1** *C. odorata* (L.) R.M. King & H. Rob. Phytologia 20(3): 204. 1970. *Eupatorium odoratum* L., Syst. ed. 10 : 1205. 1759; Hook. f., Fl. Brit. India 3: 244. 1881; *Osmia odorata* (L.) Sch. Bip. **Siam Weed, Christmas Bush, Devil Weed, Camfhur Grass, Common Floss Flower; Banmara.** PH or shrub. Common.

### 13.23 *Cirsium* Mill.

**13.23.1** *C. falconeri* (Hooker f.) F. Petrak. Herb.

**13.23.2** *C. lineare* (Thunb.) Sch. Bip. Linnaea 19: 335. 1847. *C. hupehense* Pampanini; *C. lineare* var. *franchetii* Kitamura; *C. lineare* var. *latifolium* H. C. Fu; *C. lineare* f. *oreithales* (Hance) Koyama; *C. lineare* f. *pallidum* Kitamura; *C. lineare* var. *pallidum* (Kitamura) Y. Ling; *C. lineare* var. *salicifolium* Y. Ling; *C. lineare* var. *tsoongianum* (Y. Ling) Y. Ling; *C. oreithales* Hance; *C. tsoongianum* Y. Ling; *Cnicus sinensis* C.B. Clarke, Compos. Ind. 219. 1876; *Carduus linearis* Thunberg in Murray, Syst. Veg., ed. 14, 726. 1784; *Cnicus linearis* (Thunberg) Benth. & J. D. Hooker ex Franchet & Savatier; *Spanioptilon lineare* (Thunberg) Lessing. PH.

**13.23.3** *C. verutum* (D. Don) Spreng., Syst. Veg. 3: 370. 1826. **Thakal, Sungure kanda, Churbhami, Chokam.**

**13.24** *Conyza* Less., 1832, conserved name not L. 1753 (syn of *Inula*) nor Hill 1756 (syn of *Pulicaria*) nor Lam. 1756 (syn of *Psiadia* in Rubiaceae)

**13.24.1** *C. angustifolia* Roxb. Hort. Bengal. 61; Fl. Ind. iii. 429. 1832 (Unresolved). PH.

**13.24.2** *C. bonariensis* (L.) Cronq. in Bull. Torrey Bot. Club. 70; 632. 1943. *Erigeron bonariensis* L., Sp. Pl. 2: 863. 1753. AH.

**13.24.3** *C. japonica* (Thunb.) Less. ex DC., Prodr. 5: 382. 1836; Hook. F., Fl. Brit. Ind. 3: 258. 1881. *Eschenbachia japonica* (Thunb.) J. Kost. **Salaha jhar.** AH.

**13.24.4** *C. semipinnatifida* Wall. ex DC., Prodr. 5: 382. 1836. AH.

**13.24.5** *C. stricta* Willd., Sp. Pl. ed. 4, 3: 1922 (1803); DC., Prodr. 5: 389. 1836; Hook. f., Fl. Brit. India 3: 258. 1881. **Erect Horseweed.** AH.

### 13.25 *Cotula* L.

**13.25.1** *C. hemispherica* (Roxb.) Wall. ex Benth. & Hook. f., Gen. Pl. 2: 429. 1873; Hook. f., Fl. Brit. Ind. 3: 316. 1881; B.D. Naithani in Hajra et al., Fl. Ind. 12: 54. 1995. *Artemisia hemisphaerica* Roxburgh, Fl. Ind., ed. 1832, 3: 423. 1832; *Cotula chinensis* Kitamura; *Machlis hemisphaerica* (Roxburgh) Candolle. **Galphule, Gandha madinee.** AH.

### 13.26 *Crassocephalum* Moench

**13.26.1** *C. crepidioides* (Benth.) S. Moore, J. Bot. 50: 211. 1912. *Gynura crepidioides* Benth. in Hooker, Niger Fl. 438. 1849. **Anikale jhar, Kaiklai, Lodomran.** AH.

### 13.27 *Cremanthodium* Benth.

**13.27.1** *C. nepalense* Kitam. in Acta Phytotax. Geobot. 15: 105. 1954 et in Fauna Fl. Nepal. Himal. 1: 253. t. 71, 72. 1955. GH.

**13.27.2** *C. reniforme* (DC.) Benth., in Hook., Icon. Pl., 12: 37, t. 1141. 1873. *Ligularia reniformis* Candolle, Prodr. 6: 315. 1838. AH.

### 13.28 *Cyanthillium* Blume 1826

**13.28.1** *C. cinereum* (L.) H. Rob. Proc. Biol. Soc. Wash. 103: 252. 1990. *Cacalia cinerea* (L.) Kuntze; *Conyza cinerea* L., Sp. Pl. 2: 862. 1753; *Seneciodes cinerea* (L.) Kuntze; *Serratula cinerea* (L.) Roxburgh; *Vernonia cinerea* (L.) Lessing., Linnaea 4(1): 291. 1829. **Common Vernonia, Little ironweed, Purple fleabane; Jhurjhure, Kuk-shim; Malchaa Jhaar.** AH. Common.

### 13.29 *Cynanchum* L.

**13.29.1** *C. corymbosum* Wight, Contr. Bot. India. 56. 1834. *Cyathella corymbosa* (Wight) C. Y. Wu & D. Z. Li; *Cynoctonum corymbosum* (Wight) Decaisne.

**13.29.2** *C. vincetoxicum* (L.) Pers. Syn. Pl. 1: 274. 1805 (Unresolved). **Dog Strangling Vine, Poison-ropes Swallowwort**

### 13.30 *Dahlia* Cav.

**13.30.1** *D. imperialis* Roez., Gart. Fl. 243, t. 407, 408. 1863 (Unresolved). **Bell tree dahlia; Rukh lahure.** Shrub.

**13.30.2** *D. pinnata* Cav., Ic. Descr. Pl. 1: 57, t. 80. 1791. **Lahure phool.** PH.

### 13.31 *Dichrocephala* L'Hér. ex DC.

**13.31.1** *D. integrifolia* (L. f.) Kuntze, Rev. Gen. Pl. 333. 1891. *D. integrifolia* ssp. *gracilis* (DC.) Fayed, Mitt. B. Staatssam. Munehen 15: 500. 1979, *Hippia integrifolia* L. f., Suppl. Pl. 389. 1782. **Haadchhun jar, Parasi, Doyan.** AH. Common.

### 13.32 *Dittoceras* Hook. f.

**13.32.1** *D. andersonii* Hook. f. in Hook. Ic. Pl. 15: t. 1422. 1883. **Dude lahara; Leem-rik.**

### 13.33 *Eclipta* L.

**13.33.1** *E. prostrata* (L.) L., Mant. Pl. 2: 286. 1771. *Verbesina prostrata* L., Sp. Pl. 2: 902. 1753. **Bhringraj, Kesut.** AH.

### 13.34 *Elephantopus* L.

**13.34.1** *E. scaber* L., Sp. Pl. 2: 814. 1753. *E. scaber* L. var. *typicus* Koster. 1935. **Elephant Foot, Prickly-leaved elephant's foot, Bull's Tongue, Ironweed.** PH.

### 13.35 *Emilia* Cass.



- 13.35.1** *E. sonchifolia* (L.) DC. ex DC., "Wight, Contr. B. Ind." 24. 1834; Prodr. 6: 302. 1838. *Cacalia sonchifolia* Hort ex L.; *Crassocephalum sonchifolium* (L.) Less.; *Senecio sonchifolius* (L.) Moench. **Chaulaane Jhaar, Mula pate, Sadi-modi.** AH.
- 13.36** *Enydra* Lour.
- 13.36.1** *E. fluctuans* Lour., Fl. Conchinch.: 511. 1790 (Unresolved). *Meyera fluctuans* (Lour.) Spreng. **Water Cress, Marsh Herb; Helencha.** AH.
- 13.37** *Erechtites* Raf.
- 13.37.1** *E. valerianaefolia* (Link ex Wolf) Less. ex DC., Prodr. 6: 295. 1837. *Crassocephalum valerianifolium* (Link ex Wolf) Less.; *Erechtites valerianifolius* (Kunth) Cuatrec. ex Belcher; *Senecio valerianifolius* Rchb.; *S. valerianifolius* Link ex Spreng., Syst. Veg. 3: 565. 1826 ["*valerianaefolius*"]. AH.
- 13.38** *Erigeron* L.
- 13.38.1** *E. bellioides* DC. Prodr. 5: 288. 1836. **Bellorita, Tare phul.** Herb. Common.
- 13.38.2** *E. karvinskianus* DC., Prodr. 5: 285. 1836. PH.
- 13.39** *Galinsoga* Ruiz & Pav.
- 13.39.1** *G. parviflora* Cav., Icones. Descr. Pl. 3: 41, t. 281. 1795. **Chitlange jhar.** Abundant.
- 13.39.2** *G. quadriradiata* Ruiz & Pav., Syst. Veg. 1: 198. 1798 (Unresolved). **Jhuse Chitlange.** AH.
- 13.40** *Gamochaeta* Wedd.
- 13.40.1** *G. purpurea* (L.) Cabrera, Bol. Soc. Argent. Bot. 9: 377. 1961. *Gnaphalium purpureum* L., Sp. Pl. 2: 854. 1753, nom. cons. **American cudweed.** AH.
- 13.41** *Gnaphalium* L. 1753 not Adans. 1763
- 13.41.1** *G. affine* D. Don, Prodr. Fl. Nep. 173. 1825. *Laphangium affine* (D. Don) Tzelev; *Pseudognaphalium affine* (D. Don) Anderberg. **Kairo jhar, Pahelo bukey phool.** Herb. Common.
- 13.41.2** *G. polycaulon* Pers., Syn. Pl. 2: 421. 1807. **Buki jhaar.** AH.
- 13.42** *Grangea* Adans.
- 13.42.1** *G. maderaspatana* (L.) Poir., Encycl. Suppl. 2: 825. 1812 (Unresolved). *Artemisia maderaspatana* L., Sp. Pl. 2: 849. 1753. **Gobre jhaar.** AH. Common.
- 13.43** *Guizotia* Cass. 1829
- 13.43.1** *G. abyssinica* (L.f.) Cass., Dict. Sci. Nat. 59: 248. 1829. *Polymnia abyssinica* L. f., Suppl. Pl. 383. 1782. **Ram-til, Surguja, Jhuse-til.** AH.
- 13.44** *Gynura* Cass.
- 13.44.1** *G. cusimbua* (D. Don) S. Moore, J. B. 50: 212. 1912. *Cacalia cusimbua* D. Don, Prodr. Fl. Nepal. 179. 1825. PH. Common.
- 13.44.2** *G. nepalensis* DC. Prodr. 6: 300. 1838. **Mangdhong.** PH.
- 13.45** *Helianthus* L.
- 13.45.1** *H. annuus* L., Sp. Pl. 2: 904. 1753. *H. annuus* ssp. *jaegeri* (Heiser) Heiser; *H. annuus* ssp. *lenticularis* (Douglas ex Lindley) Cockerell; *H. annuus* var. *lenticularis* (Douglas ex Lindley) Steyermark; *H. annuus* var. *macrocarpus* (Candolle) Cockerell; *H. annuus* ssp. *texasus* Heiser. **Sunflower; Suryamukhi phul.** AH.
- 13.45.2** *H. tuberosus* L., Sp. Pl. 2: 905. 1753. *H. tuberosus* var. *subcanescens* A. Gray. **Brahmokra; Gane suryamukhi.** PH.
- 13.46** *Helichrysum* Mill., 1754
- 13.46.1** *H. luteoalbum* (L.) Rchb. Handb. Gewächsk., ed. 2. 2(2): 1460. 1829 [Mar-Jul 1829]. *H. luteoalbum* (L.) Rchb.; *Gnaphalium luteoalbum* L. Sp. Pl. 2: 851. 1753 [1 May 1753], Das et al. 2008; *Laphangium luteoalbum* (L.) Tzvelev.; *Pseudognaphalium luteoalbum* (L.) Hilliard & B.L. Burtt, Bot. J. Linn. Soc. 82: 206. 1981. **Weedy Cudweed, Jersey Cudweed, Everlasting Cudweed, Fragrant everlasting**
- 13.47** *Holarrhena* R.Br.
- 13.47.1** *H. pubescens* Wall. Numer. List 1673. 1829. *Echites pubescens* Buchanan-Hamilton, not Willdenow ex Roemer & Schultes; *H. pubescens* (Buch.-Ham) Wall. ex G. Don. **Ivory tree; Kurchi Ban khirro, Madhisae Khirro, Dudh khirro.** Tree. Sparse.
- 13.48** *Ichnocarpus* R.Br.
- 13.48.1** *I. frutescens* (L.) W.T. Aiton, Hortus Kew. 2: 69. 1811. *Ichnocarpus frutescens* (L.) R. Br., Mem. Wern. Nat. Hist. S. 1: 62 (1811, preprint 1810); Wight, Ic. Pl. Ind. Or. 2: t. 430 (1840-43). DC., Prodr. 8: 435. 1844; Hook. f. in Fl. Br. Ind. 3: 669. 1882; Burkill in Rec. B. Surv. Ind. 4: 119. 1910; T. Yamaz. in Fl. E. Him. 259. 1966; Chater in H. Hara et al.; *Apocynum frutescens* L., Sp. Pl. 1: 213. 1753; *Echites frutescens* Wallich ex Roxburgh. **Shyamalata, Dudhilata, Dudhe lahara, Dudhlatti, Sukhndia**
- 13.49** *Inula* L.
- 13.49.1** *I. cappa* (Buch.-Ham. ex D. Don) DC., Prodr. 5: 469. 1836 (Unresolved). **Gaaitihaare.** US.
- 13.49.2** *I. eupatorioides* Wall. ex DC., Prodr. 5: 469. 1836. *Duhaldea eupatorioides* (Wall. ex DC.) Steetz, Bonplandia. 5: 308. 1857. Shrub.
- 13.49.3** *I. orientalis* Lam. Encycl. 3: 255. 1789. *Inula grandiflora* Willd., Sp. Pl. 3: 2096. 1803; DC., Prodr. Syst. Nat. Reg. Veg 5: 468, 1836; Boiss., Fl. Orient. 3: 184-214, 1875; 196; Clarke, Compos. Ind. 123, 1876; Hook.f., Fl. Brit. India 3: 294, 1881. **Showy inula.** PH.
- 13.49.4** *I. rubricaulis* (DC.) Benth. & Hook. f. Gen. Pl. 2: 331. 1873; C.B. Clarke, Comp. Ind. 126. 1876. *Amphirhapis rubricaulis* Candolle, Prodr. 5: 343. 1836; *Duhaldea rubricaulis* (Candolle) Anderberg, Pl. Syst. Evol. 176: 104. 1991. **Kan pate.** Herb or subshrub.
- 13.50** *Khasianthus*
- 13.50.1** *K. subsessilis* (DC.) ex H. Rob. & Skvarla. Proc. Biol. Soc. Wash. 122(2): 146-149. 2009; Chaudhuri 1993. *Vernonia subsessilis* DC., Prodr. 5: 62. 1836 (Unresolved); *V. subsessilis* Candolle var. *macrophylla* J.D. Hooker, Fl. Brit. India 3: 230. 1881; *Khasianthus subsessilis* H. Robinson & Skvarla var. *macrophyllus* (J.D. Hooker) H. Robinson & Skvarla. Herb.
- 13.51** *Lactuca* L.
- 13.51.1** *L. graciliflora* Wall ex DC., Prodr. 7: 139. 1838. *Melanoseris graciliflora* (Candolle) N. Kilian

Fl. China. 20-21: 223. 2011; *Prenanthes graciliflora* Wall. Numer. List [Wallich] n. 3260

### 13.52 *Leucanthemum* Mill., 1754

**13.52.1** *L. vulgare* (Vail.) Lam., Fl. Fr. 2: 138. 1778. *Chrysanthemum vulgare* (Lamarck) Gaterau (1789), not (Linnaeus) Bernhardt (1800). PH.

### 13.53 *Ligularia* Cass. 1816, conserved name, not Duval 1809 (Saxifragaceae)

**13.53.1** *L. fischeri* (Ledeb.) Turcz., Bull. S. Nat. Moscou 11 (1838).

**13.53.2** *L. hookeri* (C.B. Clarke) Hand.-Mazz. "Acta Horti Gothob. 1937-8, 12: 304 (1938); et in Engl. Jahrb. lxxix. 127(1938)" 127. 1938. *Cremanthodium hookeri* C. B. Clarke, Compos. Ind. 169. 1876; *C. hookeri* f. *angustiligulatum* R. D. Good; *C. hookeri* f. *irregulare* R. D. Good; *C. hookeri* ssp. *polycephalum* R.D. Good; *C. hookeri* f. *regulare* R. D. Good; *Ligularia hookeri* var. *polycephala* (R. D. Good) Handel-Mazzetti, 1871.

**13.53.3** *L. pachycarpa* (C.B. Clarke ex Hook.f.) Kitam. in Univ. Mus. Univ. Tokyo Bull., 2: 139 (1971). 139 1971. AH. Endemic.

### 13.54 *Mikania* Willd. 1803, conserved name not F.W.Schmidt 1795 (Asteraceae) nor Neck. 1790 (Moraceae)

**13.54.1** *M. cordata* (Burm.f.) B.L.Rob., Contr. Gray Herb. 104: 65. 1934; Chaudhuri 1959. *Eupatorium cordatum* N. L. Myanmarn, Fl. Indica, 176. 1768. Assamlata; Halkalmi. PH. Common.

**13.54.2** *M. micrantha* Kunth. in HBK, Nova Genera et Species Plantarum 4: 105. 1818. SC.

### 13.55 *Montanoa* Cerv.

**13.55.1** *M. bipinnatifida* (Kunth) C. Koch. Wochenschr. Gärtn. 7: 407. 1864. *Uhdea bipinnatifida* Kunth, Ind. Sem. Hort. Berol. 13. 1847. Mexican daisy. Shrub.

### 13.56 *Mulgedium* Cass.

**13.56.1** *M. lessertianum* (Wall. ex C.B.Clarke) Wall. ex DC. Prodr. (DC.) 7(1): 251. 1838. *Cicerbita lessertiana* (Wall. ex DC.) Mamgain & R.R.Rao. 273. 1989; *Hieracium lessertianum* Wall. Numer. List [Wallich] n. 3254. 1831; *Lactuca lessertiana* (DC.) C. B. Clarke, Comp. Ind. 270. 1876; *Melanoseris lessertiana* (Candolle) Decaisne in Jacquemont Voy. Inde. 4(Bot.): 102. 1843. PH.

### 13.57 *Myriactis* Less.

**13.57.1** *M. nepalensis* Less., Linnaea 6: 128, t. 2F. 1831. Thuke phool. PH.

**13.57.2** *M. wallichii* Less., Linnaea 6: 129. 1831. Wallich's Myriactis. PH.

### 13.58 *Neurolaena* R.Br. 1817 not B.L.Turner 1982

**13.58.1** *N. lobata* (L.) R. Br. ex Cass. in F. Cuvier, Dict. Sci. Nat. (ed. 2). 34: 501, 502. 1825. *N. lobata* (L.) R.Br., Trans. Linn. Soc. London. 12: 120. 1817, *Calea lobata* (L.) Sw.; *Conyza lobata* L., Sp. Pl. 862. 1753. Salve Bush, Bushy Fleabane, Sour-Bush, Wild Tobacco. Herb.

### 13.59 *Onopordum* Vaill. ex L.

**13.59.1** *O. acanthium* L., Sp. Pl. 2: 827. 1753. Herb.

### 13.60 *Parthenium* L.

**13.60.1** *P. hysterophorus* L., Sp. Pl. 2: 988. 1753. Congress jhaar. AH.

### 13.61 *Prenanthes* L.

**13.61.1** *P. brunoniana* Wall. ex DC., Prodr. 7: 195. 1838 (Unresolved). *Cicerbita* (Wall. ex DC.) Tuisl ex Rech. f., Fl. Iran. 122: 184. 1977. *Lactuca brunoniana* (Wall. ex DC.) C. B. Clarke; Comp. Ind. 266 (1876).

### Himalayan Rattlesnake Root, Brown's Rattlesnake Root. AH.

**13.61.2** *P. khasiana* C. B. Clarke, Comp. Ind. 273. 1876. *Notoseris khasiana* (C.B. Clarke) N. Kilian. Flora of China 20-21: 233 [note]. 2011. AH.

### 13.62 *Pseudognaphalium* Kirp.

**13.62.1** *P. affine* (D. Don) Anderb. in Opera Bot. 104: 146. 1991. *Gnaphalium affine* D. Don, Prodr. Fl. Nepal. 173. 1825; *Laphangium affine* (D. Don) Tzvelev. Biennial herb.

### 13.63 *Rauvolfia* L.

**13.63.1** *R. serpentina* (L.) Benth. ex Kurz., Forest Fl. Burma 2: 171. 1877; Gen. Pl. 2: 697. 1876; Hook. f., Fl. Brit. India 3: 632. 1882. *Ophioxylon serpentinum* L., Sp. Pl. 2: 1043. 1753. **Serpentina, Devil-pepper, Indian Snakeroot; Sarpagandha, Chand maruwa, Sarpa gandha, Chyarangro, Dharmaruwa, God, Baruwa, Thingzungkha, Argamgajao.** Small herb.

### 13.64 *Saussurea* DC.

**13.64.1** *S. auriculata* (DC.) Sch. Bip. Linnaea 19: 331. 1846. *Aplotaxis auriculata* DC., Prodr. 6: 541. 1838; *Himalaiella auriculata* (DC.) Raab-Straube, comb. Nova. PH.

**13.64.2** *S. deltoidea* (DC.) Sch. Bip., Linnaea 19: 331. 1846; (DC.) C. B. Clarke, Comp. Ind. 235. 1876. *Aplotaxis deltoidea* DC. Prodr. 6: 541. 1838; *Himalaiella deltoidea* (DC.) Raab-Straube, comb. Nova; *Theodorea deltoidea* O. Curz. AH.

**13.64.3** *S. heteromalla* (D. Don) Hand. Mazz. Symb. Sin. Pt. VII. 1152. 1936, in obs. 1152. 1936. *Cirsium heteromallum* (D. Don) Spreng.; *Cnicus heteromallus* D. Don; *Himalaiella heteromalla* (D. Don). **Kaliziri.** PH.

### 13.65 *Senecio* L.

**13.65.1** *S. andersonii* C.B. Clarke, Comp. Ind. 204. 1876 (Unresolved).

**13.65.2** *S. cappa* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 179. 1825. *Synotis cappa* (Buch.-Ham. Ex D. Don) C. Jeffrey et Y.L. Chen (1984). **Bakhrekane, Marcha, Cappa swa.** SH or subshrub.

**13.65.3** *S. diversifolius* Wall. ex DC., Prodr. 6: 366. 1838 (Unresolved). *Senecio raphanifolius* Wall. ex DC., Prodr. 6: 366. 1838.

**13.65.4** *S. kunthianus* Wall. Numer. List [Wallich] n. 3118. 1831; ex DC., Prodr. 6: 369. 1838. *Cineraria dealbata* Spreng. ex DC.; *Synotis kunthiana* (Wall. ex DC.) C. Jeffrey & Y.L. Chen., Kew Bull. 39(2): 288. 1984. PH.

**13.65.5** *S. kurzii* C.B. Clarke ex Hook.f., Fl. Brit. Ind. 3: 341. 1881 [Unresolved]. Herb.

**13.65.6** *S. laetus* Edgew. Trans. Linn. Soc. London 20(1): 74. 1846. *S. chrysanthemoides* DC., Prodr. 6: 365. 1838 nom. illegit., non Schrank 1789; Hook. f. Fl. Brit. Ind. 3: 339. 1881; *S. chrysanthemoides* DC. var. *khasianus* (C.B. Clarke) Hook. f. Fl. Brit. Ind. 3: 339. 1881. PH.

- 13.65.7** *S. linifolius* L., Syst. Nat., ed. 10. 2: 1215. 1759 [7 Jun 1759] (Unresolved). Herb.
- 13.65.8** *S. orientalis* L., Sp. Pl. 2: 900. 1753; Hook. f. Fl. Brith. Ind. 3: 304, 1881 (not recorded in Kew list). **Dudhe Jhaar**. AH.
- 13.65.9** *S. raphanifolius* Wall. ex DC. Prodr. 6: 366. 1838. *Jacobaea raphanifolia* (Wallich ex Candolle) B. Nordenstam. PH.
- 13.65.10** *S. scandens* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 178. 1825. PH.
- 13.65.11** *S. spartioides* Torr. & A.Gray. Fl. N. Amer. (Torr. & A. Gray) 2: 438. 1843. Sub-shrub.
- 13.65.12** *S. walkeri* Arn. in Nov. Act. Nat. Cur. xviii. I. (1836) 349. 1836. *Cissampelopsis walkeri* (Arn.) Jeffrey & Chen, Kew Bull. 39: 341. 1984; R. Mathur in Hajra et al., Fl. India 13: 200. 1995. AH.
- 13.65.13** *S. wightianus* DC. ex Wight, Contrib. Bot. Ind. 22. 1834 (Unresolved). *Senecio wightianus* DC. Prodr. (DC.) 6: 370. 1838.
- 13.66** *Siegesbeckia* L. 1753 not J.G. Gleditsch 1764
- 13.66.1** *S. orientalis* L., Sp. Pl. 2: 900. 1753; Hook. f. Fl. Brith. Ind. 3: 304, 1881. **Dudhe Jhaar**
- 13.67** *Solidago* L. 1753 not Mill. 1754
- 13.67.1** *S. virgaurea* L., Sp. Pl. 880 (1753). *Solidago virga-aurea* var. *pubescens* Wall. ex C. B. Clarke, Comp. Ind. 35 (1876). **Goldenrod**. PH.
- 13.68** *Sonchus* L.
- 13.68.1** *S. arvensis* L., Sp. Pl. 2: 793. 1753. **Perennial Sow-thistle, Field milk thistle; Ban-rayo**. PH.
- 13.68.2** *S. asper* (L.) Hill, Herb. Br. 1: 47. 1769. *Sonchus oleraceus* var. *asper* L., Sp. Pl. 2: 794. 1753. AH.
- 13.68.3** *S. oleraceus* (L.) L., Sp. Pl. 2: 794. 1753. **Dhudi kanda**. AH.
- 13.68.4** *S. wightianus* DC., Prodr. 7: 187. 1838. *S. wightianus* ssp. *wallichianus* (Candolle) Boulos. AH.
- 13.69** *Stenosseris* C. Shih
- 13.69.1** *S. graciliflora* (Wall. ex DC.) Shih in Act. Phytotax. Sin. 29: 413. 1991. *Lactuca graciliflora* Candolle, Prodr. 7: 139. 1838; *Melanoseris graciliflora* (Candolle) N. Kilian Fl. China. 20-21: 223. 2011. PH.
- 13.70** *Synedrella* Gaertn.
- 13.70.1** *S. nodiflora* (L.) Gaertn., Fruct. Sem. 2: 456, t. 171, f. 7. 1791. *Verbesina nodiflora* L., Cent. Pl. 1: 28. 1755. **Pahele jhar**. AH.
- 13.71** *Synotis* (C.B. Clarke) C. Jeffrey & Y.L. Chen
- 13.71.1** *S. alata* (Wall. ex Wall.) C. Jeffrey & Y.L. Chen., Kew Bull. 39(2): 306. 1984. *Senecio alatus* Wall. ex DC., Prodr. 6: 368. 1838; *Senecio alatus* Wall., Numer. List [Wallich] n. 3114. 1838. PH.
- 13.71.2** *S. tetrantha* (DC.) C. Jeffrey & Y. L. Chen, Kew Bull. 39: 308. 1984. *Senecio tetranthus* Candolle, Prodr. 6: 370. 1838. PH.
- 13.71.3** *S. wallichii* (DC.) C. Jeffrey & Y. L. Chen, Kew Bull. 39: 305. 1984. *Senecio wallichii* Candolle, Prodr. 6: 364. 1838. PH.
- 13.72** *Tagetes* L.
- 13.72.1** *T. erecta* L., Sp. Pl. 887. 1753. AH.
- 13.72.2** *T. minuta* L., Sp. Pl. 2: 887. 1753. AH.
- 13.72.3** *T. patula* L., Sp. Pl. 2: 887. 1753. **Barhamase sayaptree; Chhota-genda**. AH.
- 13.73** *Tabernaemontana* Plum. ex L. 1753
- 13.73.1** *T. divaricata* (L.) R. Br. ex Roem. & Schult., Syst. Veg. 4: 427. 1819. *Nerium divaricatum* L., Sp. Pl. 1: 209. 1753; *Ervatamia divaricata* (L.) Burkill, Rec. B. Surv. Ind. 10: 320. 1925; *Tabernaemontana coronaria* (Jacq.) Aiton, H. Kew. ed. 2, 2: 72. 1811. **Chandanee, Tagar Chandanee**. Shrub. common.
- 13.74** *Taraxacum* F. H. Wigg.
- 13.74.1** *T. officinale* Wigg., Fl. Br. Ind. 3: 401. 1881. *T. officinale* var. *parvulum* Hook. f., Fl. Br. Ind. 3: 401. 1881. **Common Dandelion; Tuki phool**
- 13.75** *Tithonia* Desf. ex Juss. 1789 not Kuntze 1891 (Phytolaccaceae)
- 13.75.1** *T. diversifolia* (Hemsl.) A. Gray, Proc. Am. Acad. 19: 5. 1883. *Mirasolia diversifolia* Hemsley, Biol. Cent.-Amer., Bot. 2: 168. 1881. **Kande putali phool**. Shrub or subshrub.
- 13.75.2** *T. rotundifolia* (Mill.) S.F. Blake, Contrib. Gray Herb., n.s. 52 (1917) 41 1917. *Tagetes rotundifolia* Mill. **Mexican Sunflower, Yellow torch**. AH.
- 13.76** *Tridax* L.
- 13.76.1** *T. procumbens* (L.) L., Sp. Pl. 2: 900. 1753. **Husure jhar, Putali jhar**. PH.
- 13.77** *Vallisneria* Burm.f. 1768
- 13.77.1** *V. spiralis* (L.) Roth O. Kuntze, Rev. Gen. Pl. 2: 417. 1891; Bor & Raizada, l.c. *Peltanthera solanacea* Roth, Nov. Pl. Sp. 132. 1821; *Vallisneria solanacea* (Roth) K. Schumann. **Dudhe lahara**.
- 13.78** *Vernonia* Schreb.
- 13.78.1** *V. saligna* DC., Prodr. 5: 33. 1836. *Acilepis saligna* (Candolle) H. Robinson. **Nundeki, Mullong-kung**. PH.
- 13.78.2** *V. spirei* Gand. Bull. Soc. Bot. France 54: 194. 1907.
- 13.78.3** *V. subsessilis* DC. Prodr. (DC.) 5: 62. 1836 (Unresolved). *V. subsessilis* var. *bracteolata* (DC.) Hook. f. **Blue pyramid**
- 13.78.4** *V. talaumifolia* Hook.f. & Thomson ex C.B. Clarke, Comp. Ind. 25. 1876. *Cacalia talaumifolia* Kuntze. Revis. Gen. Pl. 2: 971. 1891. **Nundheki**. Tree. Common.
- 13.78.5** *V. volkameriifolia* DC., Prodr. (DC.) 5: 32. 1836; Chaudhuri 1993. *Cacalia volkameriaefolia* Kuntze. Revis. Gen. Pl. 2: 971. 1891; *Conyza volkameriaefolia* Wall. Numer. List [Wallich] n. 3001. 1831; *Eupatorium volkameriaefolium* Wall. Numer. List [Wallich] sub n. 3001. 1831; *Gymnanthemum volkameriifolium* (DC.) H. Rob. 243. 1999. **Himalayan tree vernonia; Nundheki, Maltong-kung**. Tree. Common.
- 13.79** *Vinca* L. 1753
- 13.79.1** *V. minor* L., Sp. Pl. 1: 209. 1753. **Lesser periwinkle, Dwarf periwinkle**
- 13.80** *Vittadinia* A. Rich.
- 13.80.1** *V. australis* A. Rich. [M. M. A. Lesson & A. Richard in J. S. C. Dumont d'Urville, Voy. Astrolabe 1: 251. 1832 (Ess. fl. Nouv.-Zél.)]. *Eurybiopsis australis* (A. Rich.) Hook.f. Bot. Antarct. Voy. II. (Fl. Nov.-Zel.). 1: 125. 1852. **White fuzzweed**. PH.
- 13.80.2** *V. cuneata* DC. Prod. 5: 281. 1836. US.
- 13.81** *Wrightia* R.Br.

- 13.81.1** *W. antidysenterica* (L.) R. Br. Mem. Wern. Nat. Hist. Soc. 1: 74. 1811. *Echites antidysentericus* (L.) Roxb. ex Fleming; *Holarrhena antidysenterica* (L.) Wall.; *H. antidysenterica* (L.) Wall. ex A. DC.; *Nerium antidysentericum* L.; *Walidda antidysenterica* (L.) Pichon. **Kurchi**
- 13.81.2** *W. arborea* (Dennst.) Mabb., Taxon 26: 533. 1977; DC., Prodr. l.c. 404; Cooke, l.c. 137; Hook f. l.c. 653. *Periploca arborea* Dennstedt, Schlüssel Hortus Malab. 13, 23, 25. 1818. **Dudhi, Daira, Khirra; Raani Khirro.** Tree. Common.
- 13.81.3** *W. sikkimensis* Gamble, Bull. Misc. Inform. Kew. 1908: 447. 1908.
- 13.81.4** *W. speciosissima* (D. Don) Merrill, J. Arnold Arbor. 19: 67. 1938. *Gmelina speciosissima* D. Don, Prodr. Fl. Nepal. 104. 1825.
- 13.82** *Youngia* Cass.
- 13.82.1** *Y. japonica* (L.) DC., Prodr. 7:194. 1838. *Crepis japonica* (L.) Benth., Fl. Hongk. 194. 1861; *C. japonica* (L.) Bentham; *Chondrilla japonica* (L.) Lamarck; *Prenanthes japonica* L., Mant. Pl. 107. 1767. AH.
- 13.83** *Zinnia* L.
- 13.83.1** *Z. elegans* Jacq., Coll. 5: 152. 1797. **Zinnia; Sundaree phool.** AH.
- 14. BALANOPHORACEAE** Rich., Mém. Mus. Hist. Nat. 8: 429. 18 Nov 1822, nom. cons. (the balanophora family). Genus: 2; Species: 2
- 14.1** *Balanophora* J.R.Forst. & G.Forst.
- 14.1.1** *B. involucrata* Hook.f. & Thomson, Trans. Linn. Soc. London 22: 30. 1859. *Balanina involucrata* (Hook.f.) Tiegh. Herb.
- 14.2** *Rhopalocnemis*
- 14.2.1** *R. phalloides* Jungh., Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18 (Suppl. 1): 215. 1841; Trans. Linn. Soc. 22: 52, t. 12. 1856; Fl. Brit. India 5: 239. 1886; Pfl.-fam. ed. 2, 16 b: 323, f. 163 A-E. 1935; Fl. E. Him. 1: 66. 1966. Herb.
- 15. BALSAMINACEAE** A. Rich. in J.B.G.M. Bory de Saint-Vincent, Dict. Class. Hist. Nat. 2: 173. 31 Dec 1822, nom. cons. (the Touch-me-not Family). Genus: 1; Species: 35
- 15.1** *Impatiens* L.
- 15.1.1** *I. arguta* Hook. f. & Thomson, J. Linn.S. B. 4: 137. 1860. *I. arguta* var. *bulleyana* J. D. Hooker; *I. gagei* J. D. Hooker; *I. namchabarwensis* R. Morgan et al.; *I. taliensis* Lingelsheim & Borza. AH.
- 15.1.2** *I. balsamina* L., Sp. Pl. 2: 938. 1753; Hooker & Thomson, J. Proc. Linn. Soc. Bot. 4: 130. 1859; Hook. f., Fl. Brit. Ind. 1:453.1874 & in Rec. Bot. Surv. Ind. 4: 7. 1904. *Balsamina hortensis* Desportes (1816), not A. St.-Hilaire (1808). **Tiuree.** AH.
- 15.1.3** *I. bicornuta* Wall. in Roxb., Fl. Ind. 2: 460. 1824. **Raja bubu.** AH.
- 15.1.4** *I. bracteata* Colebr. in Roxb. Fl. Ind. ed. Carey 2: 495. 1824; Hook. f. in Rec. Bot. Survey Ind. 4(2): 12 et 18. 1905. *Impatiens fimbriata* Hooker. AH.
- 15.1.5** *I. cathcartii* Hook. f. & Thoms. Brit. India 1: 473. 1875 (Unresolved). US. Less common.
- 15.1.6** *I. chinensis* L. Sp. pl. 2: 937. 1753. *I. cosmia* J. D. Hooker; *I. crassicornu* J. D. Hooker. AH.
- 15.1.7** *I. cymbifera* Hook. f., Fl. Br. Ind. 1: 474. 1875; in Rec. B. Surv. Ind. 4: 14 & 20. 1905. AH.
- 15.1.8** *I. decipiens* Hook. f. Rec. Bot. Surv. India 4:17. 1905 (Unresolved). Herb.
- 15.1.9** *I. discolor* DC., Prodr. 1: 687. 1824 (Unresolved). AH.
- 15.1.10** *I. exilis* Hook. f., ; Rec. B. Surv. Ind. 4: 13 & 19 (1905)(Unresolved). *I. filicornu* C. B. Clarke ex Hook. f., ; Rec. Bot. Surv. India, 4: 19 (1905), pro syn. Herb.
- 15.1.11** *I. falcifer* Hook. f., B. Mag. 129: t. 7923. 1903; in Rec. B. Surv. Ind. 4: 18 & 23. 1905. **Raja bubu.** Herb.
- 15.1.12** *I. florigera* C.B. Clarke ex Hook. f., Rec. Bot. Surv. India 4: 13. 1905 (Unresolved). Herb.
- 15.1.13** *I. gamblei* Hook. f., Rec. B. Surv. Ind. 4: 15 & 20. 1905 (Unresolved). Herb.
- 15.1.14** *I. graciliflora* Hook. f., ; Rec. B. Surv. Ind. 4: 15 & 21 (1905)(Unresolved). AH.
- 15.1.15** *I. jurpia* Buch.-Ham.; in Wall. [Cat. 168, n. 4761 (1831), nom. nud.] ex Hook. f. & Thoms. in J. Linn. S. B. 4: 140 (1860)(Unresolved). PH or shrub.
- 15.1.16** *I. kingii* Hook. f., Rec. Bot. Surv. India 4:14. 1905 (Unresolved). Herb. Endemic. Rare.
- 15.1.17** *I. leptocarpa* Hook. f., Rec. Bot. Surv. India 4:17. 1905 (Unresolved). Herb.
- 15.1.18** *I. longipes* Hook.f. & Thomson, J. Proc. Linn. Soc., Bot. 4: 151. 1860. AH.
- 15.1.19** *I. occultans* Hook. f. in Rec. Bot. Surv. Ind. 4: 17 & 22 (1905)(Unresolved). **Neju-Choarma.** Herb.
- 15.1.20** *I. porrecta* Wall. Numer. List 7275. 1832; Hook. f. & Thomson, J. Linn. S. B. 4: 138 (1860)(Unresolved). AH.
- 15.1.21** *I. puberula* DC., Prodr. 1: 687. 1824; Wall., Pl. As. Rar. 2: 83, t. 193. 1831; Hook. f. in Fl. Br. Ind. 1: 470. 1875; Bernardi in Candollea 18: 254. 1963; H. Hara in Fl. E. Him. 196. 1966; 2: 75. 1971; Phot. Pl. E. Him. f. 85. 1968; H. Hara in H. Hara & W. **Bhenda ghans.** AH.
- 15.1.22** *I. pulchra* Hook. f. & Thomson, J. Linn.S. B. 4: 139. 1860 (Unresolved). AH.
- 15.1.23** *I. racemosa* DC., Prodr. 1: 688. 1824. *I. racemosa* var. *ecalcarata* J.D. Hooker, Rec. Bot. Surv. India. 4: 9. 1905; *I. racemosa* var. *racemosa*; *I. microsciadia* J.D. Hooker. **Anchirna.** AH.
- 15.1.24** *I. radiata* Hook. f., Fl. Br. Ind. 1: 476. 1875. *I. centiflora* H. Léveillé. AH.
- 15.1.25** *I. scabrida* DC., Prodr. 1: 687. 1824; Wall., Cat. 168, n. 4769A. 1931; Wight, Ic. Pl. Ind. Or. 1.: t. 323. 1840; Hook. f. in Fl. Br. Ind. 1: 472 (1875), p.p.; in Rec. B. Surv. Ind. 4: 7 & 10. 1904; Banerji in Rec. B. Surv. Ind. 19(2): 30. 1966. H. Hara in F. *I. praetermissa* J. D. Hooker. **Tiuri jhar.** Herb.
- 15.1.26** *I. scitula* Hook.f., Rec. Bot. Surv. India 4: 14. 1905; Ghara et al. 1982. Herb.
- 15.1.27** *I. spirifer* Hook. f. & Thomson, J. Linn. S. B. 4: 135. 1860 (Unresolved). Herb.
- 15.1.28** *I. stenantha* Hook. f., Fl. Br. Ind. 1: 478. 1875; in Rec. B. Surv. Ind. 4: 17 & 22. 1905.

*Impatiens angustiflora* Hook.f. Fl. Brit. India 1: 480. 1875. AH.

**15.1.29** *I. sulcata* Wall. in Roxb. Fl. Ind. Carey ed. 2: 458. 1824; Hook. f. & Thorns. in J. Linn. Soc. 4: 129. 1860; Hook. f., Fl. Brit. Ind. 1: 469. 1875 & in Rec. Bot. Surv. Ind. 4: 19. 1905. *I. gigantea* Edgeworth (1846), not Arnott (1835). **Mujuro**. Herb.

**15.1.30** *I. trilobata* Colebr. in W. J. Hooker, Exot. fl. 2: t. 141. 1825 (Unresolved). **Three-lobed Balsam**. Shrub.

**15.1.31** *I. tripetala* Roxb., Fl. Ind. 2: 453. 1824; ex DC., Prodr. 1: 687 (Jan. 1824); Hook. f. in Fl. Br. Ind. 1: 470. 1875; H. Hara in Fl. E. Him. 197 (1966); 2: 76 (1971); Phot. Pl. E. Him. f. 83. 1968; H. Hara in H. Hara & Williams, Enum. Flow. Pl. Nep. (Unresolved). Herb.

**15.1.32** *I. tuberculata* Hook.f. & Thoms. in Journ. Linn. Soc. Bot. 4: 155. 1860; Hook. f. Fl. Brit. Ind. 1: 478. 1875. AH.

**15.1.33** *I. uncipetala* C. B. Clarke ex Hook. f., ; Rec. B. Surv. Ind. 4: 18 & 22. 1905 (Unresolved). Herb.

**15.1.34** *I. urticifolia* Wall. in Roxb., Fl. Ind. 2: 457. 1824; Hook. f. & Thoms. in Journ. Linn. Soc. 4: 152. 1860, Fl. Brit. Ind. 1: 474. 1875; in Cat. 168, n. 4768. 1831. Herb.

**15.1.35** *I. wallichii* Hook. f., Rec. B. Surv. Ind. 4: 15 & 20. 1905 (Unresolved). Herb.

**16. BASELLACEAE** Moquin-Tandon. Chenopod. Monogr. Enum. 1840, non. cons. (Madeira-vine Family). Genus: 1; Species:1

**16.1 Basella L.**

**16.1.1** *B. alba* L. Sp. Pl. 272. 1753. **Indian spinach**. PH.

**17. BEGONIACEAE** C. Agardh, Aphor. Bot.: 200. 13 Jun 1824, nom. cons. (the Begonia Family). Genus: 1; Species: 20

**17.1 Begonia L.**

**17.1.1** *B. cathartii* Hook. f. & Thomson, Ill. Him. Pl. t. 13 (1855); C.B. Clarke in Hook. f., Fl. Brit. India 2:646. 1879. *Platycentrum cathartii* (Hook.f. & Thomson) Klotzsch. Abh. Königl. Akad. Wiss. Berlin 1855: 125. 1855. GH. Rare.

**17.1.2** *B. dioica* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 223 (1825). **Three-petal Begonia, Mangarkanche**. GH. Common.

**17.1.3** *B. flaviflora* H. Hara, J. Jap. Bot. 45: 91. 1970. PH.

**17.1.4** *B. gemmipara* Hook. f. & Thomson, Ill. Him. Pl. t. 14 (Jul. 1855). C. B. Clarke in Fl. Br. Ind. 2: 641 (1879). H. Hara in Fl. E. Him. 2: 84 (1971). *Putzeysia gemmipara* (Hook. f. & Thomson) Klotzsch. Abh. Königl. Akad. Wiss. Berlin 1854: 255. 1855. Epiphytic herb.

**17.1.5** *B. hatacoa* var. *hatacoa* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 223. 1825; Hara in J. Jap. Bot. 47:143. 1972. *Begonia rubro-venia* Hook., B. Mag. 79: t. 4689. 1853; C.B. Clarke in Hook. f., Fl. Brit. India 2: 645. 1879. GH.

**17.1.6** *B. josephii* A. DC., Ann. Sci. Nat. ser. 4, 11: 126. 1859; Prodr. 15(1): 313. 1864; C.B. Clarke in

Hook. f., Fl. Brit. India 2:639. 1879. *B. picta* auct. non Smith 1805: C.B. Clarke in Hook. f., Fl. Brit. India 2:638. 1879, p.p. GH.

**17.1.7** *B. longifolia* Blume. Catalogus 102. 1823. *B. inflata* C.B. Clarke in Hook.f., Fl. Brit. India 2: 636. 1879; *Diploclinium longifolium* (Blume) Miq. Fl. Ned. Ind. 1(1): 687. 1856. **Magarkachey**. US.

**17.1.8** *B. lutea* L.B. Sm. & B.G. Schub., Caldasia 4: 11 1946.

**17.1.9** *B. megaptera* A. DC., Ann. Sci. Nat. ser. 4, 11: 134 (1859); Prodr. 15(1): 348 (1864); C.B. Clarke in Hook. f., Fl. Brit. India 2: 646. 1879; C.E.C. Fischer in Rec. Bot. Surv. India 12(2): 98. 1938. Herb.

**17.1.10** *B. nepalensis* (A. DC.) Warb. in Engl., Pflfam. 3(6a): 142 (1894); Hara in Fl. E. Himal. 2: 214. 1971; Hara & Williams, Enum. Fl. Pl. Nepal 2: 129. 1979; Rao & Gupta in Rec. Bot. Surv. Ind. 20(2): 1973; Matthew in Ind. J. For. Addl. ser. 2: 37. 1980. *Meziera nepalensis* A. DC., Prodr. 15(1): 406. 1864. Herb.

**17.1.11** *B. ovatifolia* A. DC., Ann. Sci. Nat. ser. 4, 11: 132. 1859; Prodr. 15(1): 328. 1864. *Begonia ovatifolia* var. *cretacea* C.B. Clarke. Fl. Brit. India 2: 643. 1879. Herb.

**17.1.12** *B. palmata* D. Don, Prodr. Fl. Nep. 223. 1825. *B. palmata* var. *gamble* M. Bhajan; *B. laciniata* Roxburgh, Fl. Ind. 3: 649. 1832; C.B. Clarke in Hook. f., Fl. Brit. India, 2: 645.1879; C.E.C. Fischer in Rec. Bot. Surv. India 12(2): 98.1938. PH.

**17.1.13** *B. paupercula* King, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 71: 64. 1902; Sharma & Bhattacharyya 1961. Herb.

**17.1.14** *B. picta* Sm., Exot. Bot. 2:81, t. 101. 1805. C.B. Clarke in Hook.f, Fl.Brit.Ind.2 :638.1879; C.E.C. Fischer in Rec. Bot. Surv. India, 12(2): 98. 1938. **Magar kanche, Namkimro**. GH. Less common.

**17.1.15** *B. roxburghii* (Miq.) A. DC., Prodr. 15(1): 398 (1864); C.B. Clarke in Hook. f., Fl. Brit. India 2: 635. 1879; Kanjilal et al., Fl. Assam 2: 33. 1938; C.E.C. Fischer in Rec. Bot. Surv. India 12(2): 98. 1938. *Diploclinium roxburghii* Miq. Fl. Ned. Ind. 1(1): 692. 1856. Herb.

**17.1.16** *B. rubella* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 223 (1825). *Begonia scutata* Wall. ex A. DC., Prodr. 15(1): 328. 1864; Clarke, in Fl. Brit. India 2: 642. 1879. **Magar kanche**. Herb. Rare.

**17.1.17** *B. satrapis* C.B. Clarke in Hook.f., Fl. Brit. India 2: 638. 1879; Biswas (1966). Herb.

**17.1.18** *B. sikkimensis* A. DC., Ann. Sci. Nat. ser. 4, 11: 134. 1859; Prodr. 15(1): 349. 1864; C.B. Clarke in Hook. f., Fl. Brit. India 2: 646. 1879; Hara, Fl. E. Him. 215. 1966. Herb.

**17.1.19** *B. subpeltata* Wight, Icon. Pl. Ind. Orient. 5: t. 1812. 1852; Hook. f., Fl. Brit. India 2: 653. 1879. *Reichenheimia subpeltata* (Wight) Klotzsch. Abh. Königl. Akad. Wiss. Berlin 1855: 175. 1855. PH.

**17.1.20** *B. xanthina* Hook., Bot. Mag. 78: t. 4683. 1852; Grierson 1991. *Platycentrum xanthinum* (Hook.) Klotzsch, Abh. Königl. Akad. Wiss. Berlin 1855: 123. 1855. Herb.

**18. BERBERIDACEAE** Juss., Gen. Pl.: 286. 4 Aug 1789, nom. cons. (the Barberry Family). Genus: 4; Species: 18

**18.1 *Berberis* L.**

**18.1.1 *B. angulosa*** Wall. ex Hook. f. & Thoms., Fl. Ind. 1: 227. 1855; in Fl. Br. Ind. 1: 111. 1872. *B. angulosa* var. *fasciculata* Ahrendt. J. Bot. 79(Suppl.): 42. 1941. **Large-flowered Barberry; Chutro.** Shrub.

**18.1.2 *B. aristata*** DC., Syst. Nat. 2: 8. 1821; Hooker f. & Thomson, Fl. Ind: 222 (1855); Hooker f. & Thomson in Hooker f., Fl. Brit. Ind. 1(1): 110 (1872); Chatterjee, Rec. Bot. Surv. India 16(2): 20 (1953). **Ban Chutro, Tsema.** Shrub.

**18.1.3 *B. asiatica*** Roxb. Ex DC., Syst. Nat. 2: 13. 1821. *B. asiatica* var. *clarkeana* C.K.Schneid. Bull. Herb. Boissier II, 5: 457. 1905. **Chutro, Jurshi, Kerpaak, Pichyar.** Shrub.

**18.1.4 *B. chitria*** Buch.-Ham. ex Lindl., Bot. Reg. 9: t. 729 1823. *B. chitria* Ahrendt, nom. illeg.; *B. chitria* D. Don; *B. Chitria* Buch.-Ham.; *B. chitria* Lindl.; *B. Chitria* Buch.-Ham. ex Ker-Gawler in Edward, Bot. Reg. 9: t. 729, 1823. **Chutro.** Shrub.

**18.1.5 *B. concinna*** Hook. f. in Curtis, Bot. Mag. 79, t. 4744, 1853; Gamble 1878. **Tsema.** Shrub.

**18.1.6 *B. dasyclada*** Ahrendt. J. Bot. 79(Suppl.): 12. 1941; J. Linn. Soc. Lond. (Bot.) 57: 36. 1961. Shrub.

**18.1.7 *B. hookeri*** Lem., Ill. Hort. 6: t. 207. 1859. **Hooker's Barberry.** Shrub.

**18.1.8 *B. insignis*** Hook.f. & Thoms., Fl. Ind. 1: 226. 1855; Hooker f. & Thomson in Hooker f., Fl. Brit. Ind. 1(1): 111 (1872); Gamble 1878; Chatterjee, Rec. Bot. Surv. India 16(2): 7 (1953). **Chutro, Timburjhien.** US.

**18.1.9 *B. macrosepala*** Hook. f. & Thoms., Fl. Ind. 228. 1855. Shrub.

**18.1.10 *B. nepalensis*** Spreng, Syst. Veg. 2: 120. 1825 (Johri 1935); Chatterjee & Guha 1950. **Chatrri, Chutro, Keshari.** Shrub.

**18.1.11 *B. thomsoniana*** C.K. Schn. Bull. Herb. Boissier, sér. 2, 5 (2): 136. 1905. **Chutro.** Shrub.

**18.1.12 *B. umbellata*** Wall. ex G. Don. Gen. Syst. 1: 116. 1831. *B. umbellata* Lindl., Edwards's Bot. Reg. 30: t. 44. 1844. **Chutro.** Shrub.

**18.1.13 *B. wallichina*** DC., Prodr. 1: 107. 1824; Don, Prodr. Fl. Nepal: 204. 1825; Wallich, Pl. Asiat. Rar. 3: 23. t. 243. 1832; Chatterjee, Rec. Bot. Surv. India 16(2): 10. 1953. Shrub.

**18.2 *Mahonia* Nutt.**

**18.2.1 *M. japonica*** (Thunb.) DC., Syst. Nat. 2: 22. 1821. *Ilex japonica* Thunberg, Trans. Linn. Soc. London, Bot. 2: 327. 1794. Shrub.

**18.2.2 *M. napaulensis*** DC., Syst. Nat. 2: 21. 1821, excl. beta Takeda in Not. B. G. Edinb. 6: 216, t. 1-2, 33, f. 1-5 (1917); Gamble 1878; Chatterjee 1944. *M. nepalensis* DC. Syst. Nat. 2: 21. 1821; *Berberis nepalensis* (DC.) Spreng, Syst. Veg. 2: 120. 1825; *B. napaulensis* DC., *B. napaulensis* var. *leschenaultii* (Wall. ex Wight & Arn.) Hook. f. & Thomson. **Mahonia, Chutro, Kesari, Chatrri, Jamane mandro, Kome, Sersing, Mendok, Kyarpa.** Shrub. Sparse.

**18.3 *Nandina* Thunb.**

**18.3.1 *N. domestica*** Thunb, Nov. Gen. Pl. 14. 1781. *N. domestica* var. *linearifolia* C. Y. Wu ex S. Y. Bao. **Sacred bamboo.** Shrub.

**18.4 *Sinopodophyllum* T.S.Ying**

**18.4.1 *S. emodi*** Wall. ex Royle, Illustr. Bot. Himal. 64. 1834. and 379. 1839; Hook. f. & Thoms., Fl. Ind. 1: 232. 1855; Hook. f., l.c. 112. *Podophyllum emodi* var. *hexandrum* (Royle) Chatt. & Muker. Shrub.

**18.4.2 *S. hexandrum*** (Royle) T. S. Ying in C. Y. Wu, Fl. Xizang. 2: 119. 1985. *Podophyllum hexandrum* Royle, Ill. B. Him. 1: 64. 1834. **Indian podophyllum; Laghu patra, Shinmendo, Haamung, Wunwagun.** Shrub.

**19. BETULACEAE** Gray, Nat. Arr. Brit. Pl. 2: 222, 243. 10 Jan 1822, nom. cons. (the birch family). Genus: 4; Species: 6

**19.1 *Alnus* Mill.**

**19.1.1 *A. nepalensis*** D. Don, Prodr. Fl. Nep. 58. 1825. *Clethropsis nepalensis* (D. Don) Spach.; Ghosh & Saha 2013. **Alder, Uttis, Boshi swa, Bhomsing, Bisuwaa, Gama, Koplóng.** Tree. Abundant.

**19.2 *Betula* L.**

**19.2.1 *B. alnoides*** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 58. 1825. *B. acuminata* Lindl. in Wall., Pl. As. Rar. 2: 7, t. 109. 1831 (Gamble 1878); *B. alnoides* var. *acuminata* (Wallich) H. Winkler; *Betulaster acuminata* (Wallich) Spach. **Bhojpatra, Hlosonli-kúng, Lekh paiyu, Payúng, Saur, Saver, Tap.** Tree. Less common.

**19.2.2 *B. cylindrostachya*** Lindl. ex Wall., Pl. Asiat. Rar. 2: 7. 1831; Gamble 1878. *B. acuminata* Wallich var. *cylindrostachya* (Lindley) Regel; *B. alnoides* Buchanan-Hamilton var. *cylindrostachya* (Lindley) H. Winkler; *Betulaster cylindrostachya* (Lindley) Spach. **Sauer; Sungli-kúng.** Tree. Less common.

**19.2.3 *B. utilis*** D. Don, Prodr. Fl. Nepal. 58. 1825. *B. utilis* var. *prattii* Burkill. **Birch, Bhojpatra, Latap, Takpa**

**19.3 *Carpinus* L.**

**19.3.1 *C. viminea*** Wall. ex Lindl., Pl. Asiat. Rar. 2: 4. 1830. Tree. Rare.

**19.4 *Corylus* L.**

**19.4.1 *C. ferox*** Wall. Pl. Asiat. Rar. 1: 77. 1830. **Himalayan hazelnut.** Tree.

**20. BIGNONIACEAE** Durande, Notions Elém. Bot.: 265. 1782, nom. cons.; Juss., Gen. Pl.: 137. 4 Aug 1789, nom. cons. (the Trumpet-creeper Family). Genus: 2; Species: 3

**20.1 *Oroxylum* Vent.**

**20.1.1 *O. indicum*** (L.) Kurz., Forest Fl. Burma 2: 237. 1877.; Vent., gen. nov. 8. 1808. C.B Clarke, l.c. 378; T.Cooke, l.c.; Brandis, Ind. Trees, 496. 1906. *Bignonia indica* L. Sp. Pl. 2: 625. 1753; *Calosanthus indica* (L.) Blume; *Hippoxylon indica* (L.) Raf.; *Spathodea indica* (L.) Pers. **Indian trumpet flower, Champakashing, Totola, Karamkanda.** Tree. Abundant.

**20.2 *Stereospermum* Cham., 1833**

**20.2.1 *S. chelonoides*** (L.f.) DC., Bibl. Univ. Geneve 2, 17: 125. 1838. *Bignonia chelonoides* L.f. Suppl. Pl.

282. 1782. **Kuber bacha, Pader, Parari.** Tree. Less common.

**20.2.2 S. tetragonum** DC. Prodr. 9: 210. 1845. *Bignonia tetragona* Wall. ex DC. **Trumpet flower tree; Yellow snake tree; Parari.** Tree. Common.

**21. BIXACEAE** Kunth, Malvac., Büttner., Tiliac.: 17. 20 Apr 1822, nom. cons. (the Lipstick-tree Family). Genus: 1; Species: 1

**21.1 Bixa L.**

**21.1.1 B. orellana** L., Sp. Pl. 512. 1753; Gamble 1878. **Nali, Sinduri.** Small tree.

**22. BORAGINACEAE** Juss., Gen. Pl.: 128. 4 Aug 1789, nom. cons. (the Borage Family). Genus: 8; Species: 12

**22.1 Cordia L.**

**22.1.1 C. myxa** L., Sp. Pl. 190. 1753; F.T.A. 4, 2: 14; DC., Prodr. 9: 479. 1845; Brandis, For. Fl. C. W. & C. Ind. 366. 1874 exclud. syn. **Manjack; Bohori.** Tree. Rare.

**22.2 Cynoglossum L.**

**22.2.1 C. lanceolatum** Forsskål, Fl. Aegypt.-Arab. 41. 1775; DC., Prodr. 10: 149. 1846; C.B. Clarke in Hook. f., Fl. Brit. Ind. 4: 156. 1883. PH.

**22.2.2 C. wallichii** G. Don, Gen. Syst. 4: 354. 1838. *C. wallichii* var. *wallichii*. Herb.

**22.2.3 C. zeylanicum** (Lehm.) Brand, Pflanzenr. IV, 252: 134 1921. *Anchusa zeylanica* Vahl ex Hornem. *C. zeylanicum* Thunb. ex Lehm.; *Echinosperrum zeylanicum* Lehm.; *E. zeylanicum* (Vahl) Lehm.; *Rochelia zeylanica* Roem. & Schult., Syst. Veg. 4: 108 & 780 (1819). **Ceylon forget me not; Kanike kuro.** Herb.

**22.3 Ehretia P.Browne**

**22.3.1 E. acuminata** R.Br., Prodr. Fl. Nov. Holl. 497.1810. *E. acuminata* var. *grandifolia* Pampanini. *E. acuminata* var. *obovata* (Lindley) IM Johnston. *E. serrata* Roxb. var. *obovata* Lindley; *Cordia thyrsoiflora* Siebold & Zuccarini.. **Seto lodo.** Tree. Less common.

**22.3.2 E. wallichiana** Hook. f. & Thomson [ex Gamble, Darjeeling List 57 (1878), nom. nud.] ex C.B. Clarke, Fl. Br. Ind. 4: 143. 1883. *Cordia acuminata* Wall. in Roxb., Fl. Ind. 2: 339 (1824); in Cat. 26, n. 896. 1829; Gamble, Darjeeling List 57 (1878), nom. nud. **Lekh bohori, Kalet, Noom-kung, Lekh bohori, bori.** Tree.

**22.4 Hackelia Opiz**

**22.4.1 H. uncinata** (Royle ex Benth.) C.E.C. Fisch., Kew Bull. 1932: 298. 1932. *H. uncinata* var. *brachytuba* (Diels) H. Hara, Fl. E. Him. 267. 1966; *H. uncinata* var. *uncinata* (Royle ex Benth.) C. E. C. Fisch., Kew Bull. 1932: 298. 1932; *Cynoglossum uncinatum* Benth in Royle, Ill. Bot. Himal. Mts. 1: 34. 1836; *Eritrichium uncinatum* (Benth) Y. S. Lian & J. Q. Wang; *Lappula uncinata* (Royle ex Benth.) C. E. C. Fisch., Kew Bull. 1925: 319. 1925. PH.

**22.5 Myosotis L.**

**22.5.1 M. scorpioides** L., Sp. Pl. 1: 131. 1753. **Water Forget-me-not, True Forget-me-not.** PH.

**22.5.2 M. sylvatica** Ehrh. ex Hoffm., Deutschl. Fl. 1:61. 1791. DC., Prodr. 10:107.1846; exclud. vars. **Victoria blue, Forget me not.** PH.

**22.6 Onosma L.**

**22.6.1 O. hookeri** C.B. Clarke, Fl. Br. Ind. 4: 178. 1883. *O. hookeri* var. *hookeri*; *O. hookeri* var. *longiflorum* Duthie ex Stapf; B. Mag. 155: sub. 9254 (1931); *O. hookeri* ssp. *wardii* Stapf; *O. hookeri* var. *intermedium* I. M. Johnston. PH.

**22.7 Tournefortia L.**

**22.7.1 T. hookeri** C. B. Clarke Fl. Brit. India 4: 147. 1883 (Unresolved). *Tournefortia hookeri* var. *subtropica* Clarke in Hooker, Fl. Brit. India 4: 147. 1883. **Arupate lahara; Tiplo.** Herb.

**22.8 Trichodesma R.Br.**

**22.8.1 T. calycosum** Collett & Hemsl. J. Linn. Soc., Bot. 28(189-191): 92-93. 1890. Sub-shrub.

**23. BRASSICACEAE** Burnett, Outlines Bot.: 854, 1093, 1123. Feb 1835, nom. cons., nom. alt. = CRUCIFERAE (the Cabbage or Mustard family). Genus: 10; Species: 20

**23.1 Brassica L.**

**23.1.1 B. juncea** (L.) Czern., Consp. Pl. Charc. 8. 1859. *B. juncea* var. *juncea*; *Sinapis juncea* L., Sp. Pl. 2: 668. 1753; *B. juncea* ssp. *integrifolia* (West) Thellung; *B. juncea* var. *crispifolia* L. H. Bailey; *B. juncea* var. *foliosa* L. H. Bailey; *B. juncea* var. *gracilis* M. Tsen & S. H. Lee; *B. juncea* var. *integrifolia* (Stokes) Sinskaya; *B. juncea* var. *japonica* (Thunberg) L. H. Bailey; *B. juncea* var. *longidens* L. H. Bailey; *B. juncea* var. *longipes* M. Tsen & S. H. Lee; *B. juncea* var. *multisecta* L. H. Bailey; *B. juncea* var. *multiceps* M. Tsen & S. H. Lee; *B. juncea* var. *rugosa* (Roxburgh) Kitamura; *B. juncea* var. *strumata* M. Tsen & S. H. Lee; *B. juncea* var. *subintegrifolia* Sinskaya; *B. lanceolata* (de Candolle) Lange; *B. napiformis* (Paillieux & Bois) L. H. Bailey var. *multisecta* (L. H. Bailey) A. I. Baranov; *B. rugosa* (Roxburgh) L. H. Bailey; *B. taquetii* H. Léveillé; *B. willdenowii* Boissier; *Raphanus junceus* (Linnaeus) Crantz; *Sinapis cernua* Thunberg; *S. chinensis* Linnaeus var. *integrifolia* Stokes; *S. cuneifolia* Roxburgh; *S. integrifolia* West; *S. japonica* Thunberg; *S. lanceolata* de Candolle; *S. patens* Roxburgh; *S. ramosa* Roxburgh; *S. rugosa* Roxburgh. **Brown mustard; Rai Sarisha.** AH.

**23.1.2 B. oleracea** L. var. *capitata* f. *alba*. Herb.

**23.1.3 B. rapa** L. Sp. Pl. 2: 666. 1753. **Lai Sak.** Biennial herb.

**23.2 Capsella Medik.**

**23.2.1 C. bursa-pastoris** (L.) Medik., Pfl.-Gatt. 1: 85. 1792. *Thlaspi bursa-pastoris* L., Sp. Pl. 2: 647. 1753. **Shepherd's purse; Chamsure jhar, Kralmund.** AH. Abundant.

**23.3 Cardamine L.**

**23.3.1 C. flexuosa** With., Bot. Arr. Br. Pl. ed. 3, 3: 578. 1796; Kitam. in F. & Fl. Nep. Him. 138. 1955; Banerji in Rec. B. Surv. Ind. 19(2): 23. 1966; Murata in Acta Phyt. Geobot. 26: 81. 1974. *C. flexuosa* ssp. *debilis* O. E. Schulz; *C. flexuosa* ssp. *debilis* var. *occulata* (Hornemann) O. E. Schulz; *C. flexuosa* var.

*debilis* (O. E. Schulz) T. Y. Cheo & R. C. Fang; *C. flexuosa* var. *ovatifolia* T. Y. Cheo & R. C. Fang; *C. hirsuta* ssp. *flexuosa* (Withering) J. D. Hooker; *C. scutata* Thunberg ssp. *flexuosa* (Withering) H. Hara. AH. Abundant.

**23.3.2** *C. griffithii* Hook. f. & Thomson, J. Linn. Soc., Bot. 5: 146. 1861. *C. griffithii* var. *pentaloba* W. T. Wang. PH.

**23.3.3** *C. hirsuta* L., Sp. Pl. 2: 655. 1753. *C. hirsuta* var. *formosana* Hayata. **Hairy Bitter cress; Simrayo.** AH.

**23.3.4** *C. impatiens* L., Sp. Pl. 2: 655. 1753. *C. impatiens* var. *angustifolia* O. E. Schulz; *C. impatiens* var. *dasycarpa* (Marschall von Bieberstein) T. Y. Cheo & R. C. Fang; *C. impatiens* ssp. *elongata* O. E. Schulz; *C. impatiens* var. *eriocarpa* de Candolle; *C. impatiens* var. *fumaria* H. Léveillé; *C. impatiens* var. *microphylla* O. E. Schulz; *C. impatiens* var. *obtusifolia* Knaf; *C. impatiens* var. *pilosa* O. E. Schulz; *C. impatiens* var. *venusta* Schult. **Sim sag.** AH. Less common.

**23.3.5** *C. macrophylla* Willd., Sp. Pl. 3: 484. 1800; ssp. *polyphylla* var. *foliosa* Hook. f. & T. Anderson, Fl. Br. Ind. 1: 139. 1872. *C. macrophylla* var. *crenata* Trautvetter; *C. macrophylla* var. *dentariifolia* J. D. Hooker & T. Anderson; *C. macrophylla* var. *diplostonta* T. Y. Cheo; *C. macrophylla* var. *foliosa* J. D. Hooker & T. Anderson; *C. macrophylla* var. *lobata* J. D. Hooker & T. Anderson; *C. macrophylla* var. *moupinensis* Franchet; *C. macrophylla* ssp. *polyphylla* (D. Don) O. E. Schulz; *C. macrophylla* var. *polyphylla* (D. Don) T. Y. Cheo & R. C. Fang; *C. macrophylla* var. *sikkimensis* J. D. Hooker & T. Anderson; *Dentaria macrophylla* (Willdenow) Bunge ex Maximowicz. **Twelee.** PH.

**23.3.6** *C. scutata* Thunb, Trans. Linn. Soc. London, Bot. 2: 339. 1794. *C. scutata* var. *longiloba* P. Y. Fu; *C. scutata* var. *regeliana* (Miquel) H. Hara; *C. scutata* var. *rotundiloba* (Hayata) T. S. Liu & S. S. Ying. AH.

**23.3.7** *C. trifoliolata* Hook. f. & Thomson, J. Linn.S. B. 5: 145. 1861. PH.

**23.4** *Crucihimalaya* Al-Shehbaz, O'Kane & R.A.Price

**23.4.1** *C. himalaica* (Edgew.) Al-Shehbaz, O'Kane & R.A.Price, Novon 9: 301. 1999. *Arabidopsis himalaica* (Edgew.) O.E. Schulz in Engl., Pflanzenz. 86 (IV. 105): 283. 1924; *Arabis himalaica* Edgew. in Trans. Linn. Soc. 20: 31. 1846; *Hesperis himalaica* (Edgew.) Kuntze; *Sisymbrium himalaicum* (Edgew.) Hook. f. & Thoms. in Journ. Linn. Soc. Bot. 5: 160. 1861. Hook. f., l.c. 147. PH.

**23.5** *Draba* L.

**23.5.1** *D. gracillima* Hook.f. & Thoms., Journ. Linn. Soc. Bot. 5: 153. 1861. Hook. f., l.c. 144. PH.

**23.6** *Erysimum* L.

**23.6.1** *E. cheiri* (L.) Crantz. Cl. Crucif. Emend. 116. 1769. *Cheiranthus x cheiri* L., Sp. Pl. 2: 661. 1753. **Wall flower.** PH or US.

**23.7** *Eruca* Mill.

**23.7.1** *E. vesicaria* (L.) Cav., Descr. Pl. 426 1802. *E. sativa* Mill., Gard. Dict., ed. 8, 1. 1768. Lam., Fl. Fr. 2: 496. 1778; Hook.f., l.c. 158; *E. vesicaria* ssp. *sativa*

(Miller) Thell., *Brassica vesicaria* L., Sp. Pl. 668. 1753; *Euzomum vesicarium* (L.) Link; *Raphanus vesicarius* (L.) Crantz; *Velleruca vesicaria* (L.) Pomel. AH.

**23.8** *Lepidium* L.

**23.8.1** *L. didymum* L., Mantiss. 1 : 92. 1767. *Carara didyma* (L.) Britton; *Coronopus didymus* (L.) Sm, Fl. Brit. 2: 691. 1804; *Senebiera didyma* (L.) Pers., Syn.Pl. 2: 185. 1807. AH.

**23.8.2** *L. sativum* L., Sp.Pl. 2: 644. 1753; Gen. Pl. ed. 5: 291. 1754; Hook .f., l.c. 159; Yonzan et al. 1985. **Chamsur.** AH.

**23.8.3** *L. virginicum* L., Sp. Pl. 2: 645. 1753. AH.

**23.9** *Nasturtium* W.T. Aiton

**23.9.1** *N. officinale* R. Br. in Aiton, Hort. Kew. ed. 2. 4:110. 1812; Hook. f., l.c. 133. **Kulhak, Simrayo.** PH. Sparse.

**23.10** *Rorippa* Scop.

**23.10.1** *R. dubia* (Pers.) H. Hara, J. Jap. B. 30: 196. 1955; in Fl. E. Him. 110. 1966. *Sisymbrium dubium* Persoon, Syn. Pl. 2: 199. 1807; *Nasturtium dubium* (Persoon) Kuntze. AH.

**23.10.2** *R. indica* (L.) Hiern. Cat. Afr. Pl. 1: 26. 1896. *Clandestinaria indica* Spach; *Nasturtium indicum* (L.) DC.; *N. montanum* Wall. ex Hook. f. & Thomson; J. Linn. S. B. 5: 139 (1861); *Radicula indica* (L.) J.M. Macoun; *Rorippa indica* (L.) L.H. Bailey; *R. indica* (L.) Hochr.; *Sisymbrium indicum* L. Sim rayo. AH.

**24. BURSERACEAE** Kunth, Ann. Sci. Nat. (Paris) 2: 346. Jul 1824, nom. cons. (the Frankincense or Torchwood Family). Genus: 3; Species: 6

**24.1** *Boswellia* Roxb. ex Colebr.

**24.1.1** *B. serrata* Roxb. ex Colebr. Asiat. Res. 9: 379, t. 5. 1807. **Indian Olibanum, Indian frankincense tree, Frankincense, Indian oilbanum tree, Olibanum, Incense tree, White dammar; Luban; Salai.** Tree.

**24.2** *Canarium* L.

**24.2.1** *C. bengalense* Roxb., Fl. Ind. ed. 1832 3: 138. 1832; Gamble 1878. **Goguldhup, Narockpa.** Tree.

**24.2.2** *C. sikkimense* King, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 62(2): 187. 1893. **Gokuldhup, Narokkung** Tree. Rare.

**24.2.3** *C. strictum* Roxb., Fl. Ind. 138. 1832. Tree.

**24.3** *Garuga* Roxb.

**24.3.1** *G. floribunda* Decne. var. *gamblei* (King ex Smith) Kalkman, Blumea. 7: 466. 1953. *G. gamblei* King ex Smith Rec. Bot. Surv. India 4: 262. 1911. **Dabdabey.** Tree. Common.

**24.3.2** *G. pinnata* Roxb., Pl. Corom. 3: 5, t.208. 1819; Gamble 1878. **Dabdabe, Dabdabbi; Gia; Maldit-kung.** Tree. Common.

**25. BUXACEAE** Dum. (the Box Family) Genus: 1; Species: 1

**25.1** *Sarcococca* Lindl.

**25.1.1** *S. pruniformis* Lindl. Bot. Reg. 12: t. 1021 1826 (Unresolved). **Chilikat.** Shrub. Not very common.



**26. CACTACEAE** Juss., Gen. Pl.: 310. 4 Aug 1789, nom. cons. (the Cactus Family). Genus: 1; Species: 1

**26.1 *Opuntia* Mill.**

**26.1.1 *O. monacantha*** (Willd.) Haw., Suppl. Pl. Succ. 81. 1819. *Cactus monacanthus* Willd., Enum. Pl. Suppl. 33. 1814.

**27. CAMPANULACEAE** Juss., Gen. Pl.: 163. 4 Aug 1789, nom. cons. (the Bluebell or Bellflower Family). Genus: 5; Species: 15

**27.1 *Campanula* L.**

**27.1.1 *C. pallida*** Wall. in Asiat. Research. 13: 375. 1820 in Roxb. Fl. Ind. 2: 100. 1824; D. Don, Prodr. Fl. Nepal. 156. 1825. **Gaanobuti, Ghante jhar, Nepali bikh.** AH.

**27.2 *Codonopsis* Wall. (1824)**

**27.2.1 *C. affinis*** Hook. f. & Thomson, J. Linn. S. B. 2: 12. 1857. AC. Endemic. Rare.

**27.2.2 *C. dicentrifolia*** (C.B. Clarke) W.W. Sm. Rec. Bot. Surv. India 4: 388. 1913. *Campanopsis dicentrifolia* (C.B. Clarke) Kuntze. Revis. Gen. Pl. 2: 379. 1891; *Wahlenbergia dicentrifolia* C.B. Clarke. Fl. Brit. India 3: 430. 1881. Climber.

**27.2.3 *C. inflata*** Hook. f. & Thomson in Hook. f., Ill. Him. Pl. t. 16C (1855); in J. Linn. S.B. 2: 13. 1857. *C. inflata* (Hook. f.) C.B. Clarke. Fl. Brit. India 3: 436. 1881. Climber. Less common.

**27.2.4 *C. javanica*** (Blume) Hooker f. & Thomson, Ill. Him. Pl. 116, t. 16B 1855. PC. Rare.

**27.3 *Cyananthus* Wall. ex Benth.**

**27.3.1 *C. incanus*** J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 20. 1857. *C. incanus* var. *decumbens* Y. S. Lian; *C. incanus* ssp. *orientalis* K. K. Shrestha; *C. incanus* var. *parvus* C. Marquand; *C. incanus* ssp. *petiolatus* (Franchet) D. Y. Hong & L. M. Ma.

**27.4 *Lobelia* L.**

**27.4.1 *L. erectiuscula*** H. Hara, J. Jap. B. 40: 328. 1965; in Fl. E. Him. 327. 1966. PH.

**27.4.2 *L. inflata*** L., Sp. Pl. 931. 1753. *Dortmannia inflata* (L.) Kuntze; *Rapuntium inflatum* (L.) Mill. Herb.

**27.4.3 *L. montana*** Reinw. ex Blume. Bijdr. 728. 1826. *Piddingtonia montana* (Reinw. ex Blume) Miq.; *Pratia montana* (Reinw. ex Blume) Hassk., Flora 25, Beibl. 1: 23 (1842); *Speirema montanum* (Reinw. ex Blume) Hook.f. & Thomson. AH.

**27.4.4 *L. nummularia*** Lam., Encycl. 3: 589. 1792. *Piddingtonia nummularia* (Lam.) A.DC.; *Pratia nummularia* (Lam.) A. Br. & Asch., Ind. Sem. H. Berol. 1861: app. 6. 1861; *Rapuntium nummularia* (Lam.) C.Presl. **Roundleaf star creeper; Lankasanay, Tilikosyo.** PH. Frequent.

**27.4.5 *L. pyramidalis*** Wall., As. Research. 13: 376. 1820.; in Roxb., Fl. Ind. 2: 113 (1824). *L. pyramidalis* var. *wallichiana* (C. Presl) Steudel. **Eklebir, Ekphaale bish.** AH.

**27.4.6 *L. rosea*** Wall. ex Roxb. Fl. ind. 2:115. 1824. Herb.

**27.4.7 *L. seguinii*** H.Lév. & Vaniot. Repert. Spec. Nov. Regni Veg. 12: 186. 1913. *L. seguinii* f.

*brevisepala* F. E. Wimmer; *L. seguinii* f. *longisepala* F. E. Wimmer. AH. Less common.

**27.4.8 *L. zeylanica*** L., Sp. Pl. 2: 932. 1753. *L. zeylanica* var. *hirta* (L.) Martyn; *L. zeylanica* var. *lobbiana* (J. D. Hooker & Thomson) Y. S. Lian.; *L. zeylanica* f. *viridis* Hochr. Candollea 5: 292. 1934; *Dortmannia zeylanica* (L.) Kuntze; *Rapuntium zeylanicum* (L.) C. Presl. AH.

**27.5 *Peracarpa* Hook. f. & Thomson**

**27.5.1 *P. carnosa*** (Wall.) Hook. f. & Thomson, J. Linn. S. B. 2: 26. 1857. *Campanula carnosa* Wallich in Roxburgh, Fl. Ind. 2: 102. 1824; *Peracarpa carnosa* var. *circaeoides* (F. Schmidt) Makino; *P. carnosa* var. *formosana* H. Hara. **Kali munte.** AH.

**28. CANNABACEAE** Martinov, Tekhno-Bot. Slovar: 99. 3 Aug 1820, nom. cons. (the Hemp Family). Genus: 2; Species: 2

**28.1 *Aphananthe* Planch**

**28.1.1 *A. cuspidata*** (Blume) Planch. Prodr. 17: 209 1873. *Girroniera reticulata* Thwaites. Lali.

**28.2 *Cannabis* L.**

**28.2.1 *C. sativa*** L., Sp. Pl. 2: 1027. 1753; Roxb., Fl. Ind. 3:772. 1832; Hook. f., l.c.; Cooke, l.c. ssp. *indica* Lam., Encyc. 1 (2): 695. 1785. *C. sativa* var. *indica* (Lamarck) E. Small & Cronquist. **Bhang, Ghanja/Gagina.** AH or shrub. Sparse.

**29. CAPPARACEAE** Juss., Gen. Pl.: 242. 4 Aug 1789, nom. cons. = CAPPARIDACEAE Juss. Gen. 242. 1789; Ann. Mus. 18. 474. 1811; DC. Prodr. 1. 237. 1824 (the Caper Family). Genus: 4; Species: 13

**29.1 *Capparis* L.**

**29.1.1 *C. acutifolia*** Sweet, Hort. Brit., ed. 2. 585. 1830. Shrub. Common.

**29.1.2 *C. brevispina*** DC., Prodr. 1: 246. 1824. **Indian Caper.** Shrub.

**29.1.3 *C. cantoniensis*** Lour., Fl. Cochinch. 330. 1790; ed. Willd. 404. 1793; DC., Prodr. 1: 253. 1824, "*cantonensis*"; Merr., Comm. Lour. 173. 1935; Hook. f. et Thoms. in Hook. f., Fl. Brit Ind. 1: 177. 1872. *C. pumila* Champ. ex Benth., Hooker's J. Bot. Kew Gard. Misc. 3: 260 1851 (Gamble 1878). Shrub.

**29.1.4 *C. multiflora*** J. D. Hooker & Thomson in J. D. Hooker, Fl. Brit. India. 1: 178. 1872. **Suntri.** Shrub.

**29.1.5 *C. olacifolia*** Hook. f. & Thomson, Fl. Br. Ind. 1: 178. 1872. **Naski, Hais, Jhenok kung.** Twining shrub. Rare.

**29.1.6 *C. sikkimensis*** Kurz J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 43(2): 181 1874. *C. cathcarti* Hemsl. ex Gamble. Large climbing shrub.

**29.1.7 *C. viminea*** Hook. f. et Thoms., Fl. Brit. Ind. 1: 179. 1872, nom. illegit., non Oliv. Fl. Trop. Afr. 1: 97 1868; Gamble 1878 (Unresolved). *C. acutifolia* ssp. *viminea* Jacobs. Blumea 12: 429. 1965. **Chinli, Pundri-kung.** Shrub.

**29.1.8 *C. zeylanica*** L. Sp. Pl. ed. 2: 720. 1762. *C. horrida* Linn.f. Hurhure. Shrub.

**29.2 *Cleome* L.**

**29.2.1 *C. ruidosperma*** DC., Prodr. 1: 241. 1824. AH.

- 29.2.2** *C. viscosa* L., Sp. Pl. 672. 1753. Hook. f., Fl. Brit. Ind. 1: 170. 1872. *Polanisia viscosa* (L.) DC., Prodr. 1: 242. 1824. **Hurhure, Hurhuwa.** AH.
- 29.3** *Crateva* L.
- 29.3.1** *C. religiosa* Forst. f. Pl. Escul.: 45 (1786) ("Crataeva"). **Purbongnyok.** Shrub or short tree.
- 29.3.2** *C. unilocularis* Buch.-Ham., Trans. Linn. Soc. London. 15: 121. 1827. **Chiple, Chiplekath, Purbongnyok, Bonna, Sipligan, Tailadu.** Tree.
- 29.4** *Stixis* Lour., 1790
- 29.4.1** *S. suaveolens* (Roxb.) Pierre, Bull. Mens. Soc. Linn. Paris. 1: 654. 1887. *Roydsia suaveolens* Roxburgh, Pl. Coromandel 3: 87. 1819 (Gamble's list). **Kasonli-lara, Tunggor-rik.** Climber.
- 30. CAPRIFOLIACEAE** Juss., Gen. Pl.: 210. 4 Aug 1789, nom. cons. ['Caprifolia'] (the Honeysuckle Family) Genus: 5; Species: 14
- 30.1** *Abelia* R.Br.
- 30.1.1** *A. serrata* Sieb. & Zucc. Fl. Jap. 1: 76. 1839. *Diabelia serrata* (Siebold & Zucc.) Landrein, Phytotaxa. 3: 37. 2010; *Linnaea serrata* (Siebold & Zucc.) Graebn., Bot. Jahrb. Syst. 29(1): 133. 1900. **Dwarf abelia.** Shrub.
- 30.2** *Dipsacus* L.
- 30.2.1** *D. atratus* Hook. f. & Thomson ex C. B. Clarke, Fl. Br. Ind. 3: 218. 1881. *Virga atrata* (J. D. Hooker & Thomson ex C. B. Clarke) Holub. AH.
- 30.2.2** *D. inermis* Wall. in Roxb., Fl. Ind. 1: 367. 1820. *D. inermis* var. *mitis* (D. Don) Y. Nasir; *Virga inermis* (Wall.) Holub, Folia Geobot. Phytotax. (Praha) 8: 175. 1973. **Himalayan teasel; Ban Karyal.** PH.
- 30.3** *Leycesteria* Wall.
- 30.3.1** *L. formosa* Wall. in Roxb., Fl. Ind. ed. Carey. 2: 182. 1824; C.B. Clarke. in Hook. f., Fl. Brit. Ind. 3: 16. 1880. *L. formosa* var. *brachysepala* Airy Shaw; *L. formosa* var. *glandulosissima* Airy Shaw; *L. formosa* var. *stenosepala* Rehder. **Himalaya-honeysuckle.** Shrub.
- 30.3.2** *L. gracilis* (Kurz) Airy-Shaw, Icon. Pl. 32: t. 3166. 1927. *Lonicera gracilis* Kurz, J. Asiat. Soc. Bengal 39(2): 77. 1870. Shrub. Less common.
- 30.3.3** *L. stipulata* (Hooke.f. & Thoms.) Fritch, Nat. Pflanzenfam. 4(4): 169. 1891. *Lonicera stipulata* J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 165. 1858; *Pentapxyxis stipulata* (J.D. Hooker & Thomson) J.D. Hooker ex C. B. Clarke, Fl. Brit. India 3(7): 17 17 1880. **Berikuru.** Shrub.
- 30.4** *Lonicera* L.
- 30.4.1** *L. acuminata* Wall. in Roxb., Fl. Ind. 2: 176. 1824. *L. acuminata* var. *depilata* P. S. Hsu & H. J. Wang. SC. Less common.
- 30.4.2** *L. angustifolia* Wall. ex DC. Prodr. 4: 337. 1830. SC. Less common.
- 30.4.3** *L. glabrata* Wall. in Roxb., Fl. Ind. 2: 175. 1824 (Unresolved). *Caprifolium glabratum* Kuntze. Revis. Gen. Pl. 1: 273. 1891. **Himalayan honeysuckle.** SC. Common.
- 30.4.4** *L. hispida* P.S. Pallas ex Schultes. Syst. Veg. 5: 258 258 1819. SC.
- 30.4.5** *L. japonica* Thunb., Fl. Jap. 89. 1784. **Japanese honeysuckle.** SC.
- 30.4.6** *L. macrantha* (D. Don) Spreng., Syst. Veg. 4(2): 82. 1827. *Caprifolium macranthum* D. Don, Prodr. Fl. Nepal. 140. 1825. **Large-flowered honeysuckle.** SC. Less common.
- 30.4.7** *L. micrantha* Trautvetter ex Regel, Act. Hort. Petrop. 5: 609. 1877 (Not recorded in KEW Plant List). SC.
- 30.5** *Valeriana* L.
- 30.5.1** *V. hardwickii* Wall., in Roxb., Fl. Ind. 1: 166. 1820. *V. elata* D. Don, Prodr. Fl. Nep. 159. 1825. **Nakkali jatamasi.** AH. Rare.
- 31. CARDIOPTERIDACEAE** Blume, Rumphia 3: 205. Jun 1847, nom. cons. Genus: 1; Species: 1
- 31.1** *Cardiopteris* Benth.
- 31.1.1** *C. quinqueloba* (Hasskarl) Hasskarl, Tijdschr. Natuurl. Gesch. Physiol. 10: 64. 1855. *Peripterygium quinquelobum* Hasskarl, Tijdschr. Natuurl. Gesch. Physiol. 10: 142. 1843.
- 32. CARICACEAE** Dumort., Anal. Fam. Pl.: 37, 42. 1829, nom. cons. (the Papaya Family). Genus: 1; Species: 1
- 32.1** *Carica* L.
- 32.1.1** *C. papaya* L., Sp. Pl. 2: 1036. 1753; Masters in Hook.f., Fl. Brit. Ind. 2: 599. 1879. **Papaya Mewa.** Tree or shrub.
- 33. CARLEMANNIACEAE** Airy Shaw, Kew Bull. 19: 511. 26 Jul 1965 = Rubiaceae. Genus: 1; Species: 2
- 33.1** *Carlemannia* Benth.
- 33.1.1** *C. congesta* Hook. f. Fl. Brit. India 3: 85. 1881. PH. Endemic.
- 33.1.2** *C. griffithii* Benth. in Hook., J.B. Kew G. Misc. 5: 308. 1853. PH.
- 34. CARYOPHYLLACEAE** Juss., Gen. Pl.: 299. 4 Aug 1789, nom. cons. (the Carnation and Pink Family). Genus: 11; Species: 25
- 34.1** *Arenaria* L.
- 34.1.1** *A. debilis* Hook. f. ex Edgew. & Hook. f., Fl. Br. Ind. 1: 242. 1874. *A. debilis* Turcz. ex Ledeb. Fl. Ross. 1: 348. 1842; *Lepyrodiclis debilis* H. Ohba. AH.
- 34.2** *Brachystemma* D. Don
- 34.2.1** *B. calycinum* D. Don, Prodr. Fl. Nep. 216. 1825. AH.
- 34.3** *Cerastium* L.
- 34.3.1** *C. fontanum* Baumg., Enum. Strip. Transs. 1: 425. 1816. *C. fontanum* ssp. *triviale* (Link) J alas in Arch. Soc. Zool. -Bot. Fenn. Vanamo. 18(1): 63. 1963; *C. vulgatum* var. *triviale* (Link) Edgew. & Hook. f. in Hook. f., Fl. Brit. Ind. 1: 228. 1874. excl. basionym, quoad pl. ex India. **Common mouse-ear chickweed, Large Mouse Ear.** AH.
- 34.3.2** *C. glomeratum* Thuill., Fl. Env. Paris ed. 2: 226. 1799. *Alsine glomerata* (Thuill.) E.H.L. Krause. Deutschl. Fl. ed. 2, 5: 65. 1901; *C. glomeratum* f. *apetalum* (Dumort.) Trinajstic. Suppl. Fl. Anal. Jugosl. 5: 8. 1978; *Stellaria glomerata* Jess. Deut.

- Excurs.-Fl. 289. 1879. **Sticky Mouse-ear, Musakane.** AH.
- 34.4 *Dianthus* L.**
- 34.4.1 *D. barbatus* L.,** Sp. Pl. 409. 1753. *Caryophyllus barbatus* Moench; *Cylichnanthus barbatus* Dulac; *Silene barbata* E.H.L. Krause, *Deutschl. Fl. ed. 2, 5:* 108. 1901. **Sweet William.** Herb.
- 34.5 *Drymaria* Willd. ex Schult.**
- 34.5.1 *D. cordata* (L.) Willd. ex Roem. & Schult.,** Syst. Veg. 5: 406. 1819. *D. cordata* ssp. *diandra* (Blume) J. A. Duke, *Holosteum cordatum* L., Sp. Pl. 1: 88. 1753. **Abijalo, Peperano, Pothe abhijalo, Tsaamangma, Warghemba.** PH. Abundant.
- 34.5.2 *D. villosa* Chamisso & Schlechtendal,** Linnaea. 5: 232. 1830. *D. villosa* ssp. *villosa* Cham. & Schlecht., Ann. Miss. B.G. 48: 226, f. 11, D-E. 1961; Duke. M. Mizush. in J. Jap. B. 38: 150. 1963; in Fl. E. Him. 80. 1966. **Abhijalo.** AH. Abundant.
- 34.6 *Pseudostellaria* Pax**
- 34.6.1 *P. heterantha* (Maxim.) Pax.** Nat. Pflanzenfam., ed. 2, 16c: 318. 1934. PH.
- 34.6.2 *P. heterantha* var. *himalaica* Ohwi,** Jap. J. B. 9: 102. 1937; *P. heterantha* var. *nepalensis* (Majumdar) H. Hara, J. Jap. B. 51: 131. 1976; *Krascheninikovia heterantha* Maximowicz, Bull. Acad. Imp. Sci. Saint-Pétersbourg 18: 376. 1873. PH.
- 34.7 *Sagina* L.**
- 34.7.1 *S. japonica* (Sw.) Ohwi,** J. Jap. B. 13(6): 438. 1937. *Spergula japonica* Swartz, Ges. Naturf. Freunde Berlin Neue Schriften 3: 164. 1801. AH.
- 34.7.2 *S. procumbens* L.,** Sp. Pl. 1: 128. 1753. *Alsine procumbens* Crantz. Inst. Rei Herb. 2: 404. 1766; *Alsinnella procumbens* Bubani. Fl. Pyren. 3: 55. 1901; *Sagina procumbens* var. *compacta* Lange. Meddel. Grønland 3: 242. 1887. PH.
- 34.7.3 *S. saginoides* (L.) H. Karsten,** Deutsche Fl. 539. 1882. *Alsine saginoides* Crantz., *Alsinnella saginoides* (L.) Greene, *Phaloe saginoides* (L.) Dumort.; *Spergella saginoides* (L.) Rchb.; *Spergula saginoides* L., Sp. Pl. 1: 441. 1753. **Alpine Pearlwort.** PH.
- 34.8 *Saponaria* L.**
- 34.8.1 *S. officinalis* L.,** Sp. Pl. 1: 408. 1753. *Lychnis officinalis* (L.) Scopoli. Fl. Carniol. (ed. 2) 1: 303. 1772; *Silene saponaria* Fries ex Willkomm & Lange. **Bouncing bet, soapwort.** AH.
- 34.9 *Silene* L.**
- 34.9.1 *S. indica* Roxb. ex Otth in DC.,** Prodr. 1: 368. 1824. Herb.
- 34.10 *Spergula* L.**
- 34.10.1 *S. arvensis* L.,** Sp. Pl. 1: 440. 1753; Edgew. & Hook. f. in Hook. f., Fl. Brit. Ind. 1: 243. 1874. **Jhyau jhar, Lawangta.** AH. Rare.
- 34.11 *Stellaria* L.**
- 34.11.1 *S. decumbens* Edgew. in Traps.** Linn. Soc. 20: 35. 1846; Edgew. & Hook. f., Fl. Brit. Ind. 1: 234. 1874. *S. decumbens* var. *decumbens*; *S. decumbens* var. *polyantha* Edgeworth & J. D. Hooker, Fl. Brit. India 1: 235. 1874; *S. decumbens* var. *pulvinata* Edgeworth & J. D. Hooker, Fl. Brit. India 1: 235. 1874. PH.
- 34.11.2 *S. lanata* Hook. f. ex Edgew. & Hook. f.,** Fl. Br. Ind. 1: 232. 1874. PH. Rare.
- 34.11.3 *S. media* (L.) Vill,** Dist. Pl. Dauph. 3: 615. 1789; Edgew. & Hook. f. in Hook. f., Fl. Brit. Ind. 1: 230. 1874. *S. media* var. *media*; *Alsine media* L., Sp. Pl. 1: 272. 1753. **Boksi Jhar.** AH. Abundant.
- 34.11.4 *S. monosperma* Buch.-Ham. ex D. Don,** Prodr. Fl. Nep. 215. 1825. PH.
- 34.11.5 *S. monosperma* Buch.-Ham. var. *paniculata*** (Edgew.) Majumdar, J. Ind. Bot. Soc. 44(1): 141. 1965. *S. paniculata* Edgeworth, Trans. Linn. Soc. London 20: 35. 1846. Straggling herb.
- 34.11.6 *S. patens* D. Don,** Prodr. F. Nep. 215. 1825. Herb.
- 34.11.7 *S. sikkimensis* Hook. f. ex Edgew. & Hook. f.,** Fl. Br. Ind. 1: 230. 1874 (Unresolved). PH. Endemic. Common.
- 34.11.8 *S. subumbellata* Edgew. ex Edgew. & Hook. f.,** Fl. Br. Ind. 1: 233. 1874. AH.
- 34.11.9 *S. uliginosa* Murr.,** Prodr. Stirp. Gotting. 55. 1770; Edgew. & Hook. f., Fl. Brit. Ind. 1: 233. 1874. *S. uliginosa* var. *undulata* (Thunb.) Fenzl in Ledeb., Fl. Ross. 1: 393. 1842, *Alsine uliginosa* (Murray) E.H.L. Krause.; *A. uliginosa* (Murray) Britton.; *Larbrea uliginosa* Rchb. PH.
- 34.11.10 *S. vestita* Kurz,** J.B. 11: 194. 1873. Herb.
- 35. CELASTRACEAE** R. Br. in M. Flinders, Voy. Terra Austral. 2: 554. 19 Jul 1814, nom. cons. (the Bittersweet Family). Genus: 11; Species: 32
- 35.1 *Bhesa* Buch.-Ham. ex Arn.**
- 35.1.1 *B. robusta* (Roxb.) Ding Hou,** Blumea Suppl. 4: 152. 1958; in Fl. Males. 6: 283. 1962. *Celastrus robustus* Roxb., Fl. Ind. 2: 395. 1824; *Kurrimia pulcherrima* Wall. ex M. A. Lawson, ; Fl. Br. Ind. 1: 622. 1875.; *Kurrimia robusta* (Roxburgh) Kurz, J. As. S. Beng. 39(II): 73. 1870. Tree.
- 35.2 *Cassine* L.**
- 35.2.1 *C. crocea* (Thumb.) Kuntze,** Revis. Gen. Pl. 1: 114. 1891 (Unresolved). *Ilex crocea* Thumb. Fl. Cap. 1: 577. 1813. Tree.
- 35.2.2 *C. glauca* (Rottb.) Kuntze,** Revis. Gen. Pl. 1: 114. 1891. *Elaeodendron glaucum* (Rottb.) Pers., Synops. 1: 241. 1805; Lawson in Hook.f., Fl. Brit. Ind. 1: 623, 1875; *E. roxburghii* Wight & Arn., Prodr. Fl. Ind. Orient. 157 1834 (Gamble's list); *Mangifera glauca* Rottb. in Nye Samml. Vid. Selsk. Skrift. 2.534.t.4, f.1. 1783. **Chikyeng-kung.** Tree. Not common.
- 35.3 *Celastrus* L.**
- 35.3.1 *C. hookeri* Prain,** J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73: 197. 1904. Twining shrub.
- 35.3.2 *C. monospermus* Roxb.,** Fl. Ind. 2: 394. 1824. *Catha monosperma* (Roxburgh) Benthams; *Monocelastrus monospermus* (Roxburgh) F. T. Wang & T. Tang. **Tumbrung-rik.** Twining shrub. Less common.
- 35.3.3 *C. paniculatus* Willd.,** Sp. Pl. 1: 1125. 1797; Roxb., Fl. Ind. ed. Wall. 1: 621. 1824; Gamble 1878. *Catha paniculata* Scheidw., Allg. Gartenzeitung 10: 275. 1842; *Ceanothus paniculatus* Roth, Nov. Pl. Sp.

154. 1821; *Scutia paniculata* G. Don., Gen. Hist. 2: 34 1832. **Ruglim-rik**. Twining shrub. Rare.
- 35.3.4** *C. stylosus* Wall. in Roxb., Fl. Ind. 2: 401. 1824; Cat. 151, n. 4313. 1831. *C. stylosus* var. *stylosus*. **Sukurruglim-rik**. SC. Common.
- 35.4** *Erythralium* Blume
- 35.4.1** *E. scandens* Blume, Bijdr. Fl. Ned. Ind. 922. 1826; Gamble 1878. **Suntúngrúng rik**. Climber.
- 35.5** *Euonymus* L.
- 35.5.1** *E. attenuates* Wall. ex M.A. Lawson, Fl. Brit. India 1: 610. 1875. Tree.
- 35.5.2** *E. bullatus* Wall. ex Lodd, Bot. Cab. 18: t. 1749. 1831. Small tree.
- 35.5.3** *E. echinatus* Wall. in Roxb., Fl. Ind. ed. Carey. 2:410. 1824. Lawson in Hook. f., Fl. Brit. Ind.1: 611. 1875; Gamble 1878; Collett, Fl.Siml.86. 1902; Brandis, Ind. Trees 158.1906. **Sanu-kimú**. Epiphytic US.
- 35.5.4** *E. fimbriatus* Wall. in Roxb., Fl. Ind.ed. Carey. 2. 408. 1824; Lawson in Hook.f., l.c. 611; Rech.f., l.c. 3. *E. fimbriatus* var. *serratus* Blakelock. Small tree.
- 35.5.5** *E. frigidus* Wall., in Roxb., Fl. Ind. 2: 409. 1824; in Cat. 150, n. 4288A. 1831, forma *elongatus* (Cowan & Cowan) H. Hara, Fl. E. Him. 189. 1966; Gamble 1878; *E. frigidus* var. *wardii* (W. W. Smith) Blakelock. Shrub to small tree.
- 35.5.6** *E. hamiltonianus* Wall. in Roxb., Fl. Ind. ed. Carey. 2: 403. 1824; Lawson in Hook.f., l.c. 612. *E. hamiltonianus* f. *lanceifolius* (Loesener) C. Y. Cheng ex Q. H. Chen; *E. hamiltonianus* var. *pubinervius* S. Z. Qu & Y. H. He. **Ban Chitu**. Shrub to small tree.
- 35.5.7** *E. macrocarpus* Gamble ex Oliv. Hooker's Icon. Pl. 18: t. 1763. 1888. Large climber.
- 35.5.8** *E. theifolius* Wallich ex M. A. Lawson in J. D. Hooker, Fl. Brit. India. 1: 612. 1875, '*theaefolius*'; Gamble 1878. Shrub or sub-shrub.
- 35.5.9** *E. tinges* Wall., in Roxb., Fl. Ind. 2: 406. 1824; in Cat. 150, n. 4283. 1831. **Kasuree, Pheisign**. Shrub to small tree.
- 35.5.10** *E. vagans* Wall. in Roxb., Fl. Ind. 2: 412. 1824; in Cat. 150, n. 4284. 1831. US. Very common.
- 35.5.11** *E. viburnoides* Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73: 194. 1904. Epiphytic US.
- 35.6** *Lophopetalum* Wight ex Arn.
- 35.6.1** *L. wightianum* Arn., Ann. Nat. Hist. 3: 151. 1839; Hook. f., Fl. Brit. India 1: 615. 1875. **Wight's lophopetalum**
- 35.7** *Maytenus* Molina
- 35.7.1** *M. hookeri* Loes. in Engler & Prantl, Nat. Pflanzenfam., ed. 2. 20(b): 140. 1942. *M. hookeri* var. *longiradiata* S. J. Pei & Y. H. Li. Shrub.
- 35.7.2** *M. kurzii* Bennet & K.C.Sahni, Indian Forester 103(6): 388, nom. nov. 1977 (Unresolved). **Maidal Kanra, Phugong-kúng, Rungongzhu**. Shrub.
- 35.7.3** *M. rufa* (Wall.) H. Hara, ; J. Jap. B. 40: 327 (1965); in Fl. E. Him. 190 (1966); 2: 72 (1971). *Catha rufa* (Wall.) G. Don, Gen. Hist. 2: 10 (1832); *Gymnosporia rufa* (Wall.) M. A. Lawson, Fl. Br. Ind. 1: 620 (1875). **Tang, Pipala**. Shrub or small tree.
- 35.7.4** *M. sikkimensis* (Prain) D.C.S. Raju & Babu, Bull. Bot. Surv. India 10: 348. 1969 (Unresolved). *Gymnosporia sikkimensis* Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73: 198. 1904. Shrub or small tree. Endemic.
- 35.7.5** *M. thomsonii* (Kurz) Raju & Babu, Bull. B. Surv. Ind. 10: 349. 1969 (Unresolved). **Deri, Maidal kanra, Rungongzhu**. Shrub or small tree.
- 35.8** *Microtropis* Wall. ex Meisn.
- 35.8.1** *M. discolor* (Wall.) Wall. ex Meisn. Pl. Vasc. Gen. 2: 49. 1837; Gamble 1878. *Cassine discolor* Wallich in Roxburgh, Fl. Ind. 2: 378. 1824. **Suglim-kúng**. Shrub or small tree.
- 35.9** *Parnassia* L.
- 35.9.1** *P. mysorensis* F. Heyne ex Wight & Arnott, Prodr. Fl. Ind. Orient. 35. 1834.
- 35.9.2** *P. nubicola* Wall. ex Royle, ; Ill. B. Him. 227, t. 50, f. 3 (1835). **Mamira**. Common.
- 35.9.3** *P. wightiana* Wall. ex Wight & Arn., Prodr. Fl. Ind. Or. 35 (1834). *Parnassia wightiana* var. *ornate* (Wallich ex Arnott) Drude.
- 35.10** *Reissantia* Halle
- 35.10.1** *R. arborea* (Roxb.) H. Hara, J. Jap. B. 40: 327. 1965; H. Hara in Fl. E. Him. 191. 1966; 3: 77. 1975; H. Hara in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 90. 1979 (Unresolved). *Pristimera arborea* (Roxb.) A. C. Sm., J. Arn. Arb. 25: 176. 1945; *Hippocratea arborea* Roxb., Pl. Coromandel 3: 3. 1811. **Ginari**. Tree. Rare.
- 35.11** *Salacia* L.
- 35.11.1** *S. chinensis* L., Mant. Pl. 2: 293. 1771. *S. chinensis* var. *latifolia* (Wall. ex Lawson) T. Chakrabarty & M. Gangopadhyay. **Chinese Salacia**. SC.
- 35.11.2** *S. salacioides* (Roxb.) R.S. Rao & Hemadri, J. Bombay Nat. Hist. Soc. 67: 358. 1970 (Unresolved). **Salacia**. SC.
- 36. CLUSIACEAE** Lindl., Nat. Syst. Bot., ed. 2: 74. 13 Jun 1836, nom. cons., nom. alt. (the Mangosteen Family). Genus: 3; Species:7
- 36.1** *Calophyllum* L.
- 36.1.1** *C. polyanthum* Wall. ex Choisy, Descr. Guttif. Inde. 43. 1849; Singh in Sharma & Sanjappa, Fl. Ind. 3: 94. 1993. **Kironli, Paiyun kúng, Sunglyernyok, Rate**. Tree. Sporadic.
- 36.2** *Garcinia* L.
- 36.2.1** *G. cornea* L. Syst. Veg. ed. 13 368 1774. **Chunyel**. Shrub. Common.
- 36.2.2** *G. cowa* Roxb. ex DC., Prodr. 1: 561. 1824; Hook. f., Fl. Brit. India 1: 202. 1874; Singh in Sharma & Sanjappa, Fl. Ind. 3: 108. 1993. **Kau**. Dioecious tree. Sporadic.
- 36.2.3** *G. stipulata* (T. Anders.) J. D. Hooker, Fl. British India 1: 267. 1874. **Dur Lampate, Sanakadan-kúng**. Tree. Common.
- 36.2.4** *G. xanthochymus* Hook. f. ex Anderson, Fl. Br. Ind. 1: 269. 1874; Singh in Sharma & Sanjappa, Fl. Ind. 3: 129. 1993. Large tree. Sporadic.
- 36.3** *Mesua* L.
- 36.3.1** *M. ferrea* L., Sp. Pl. 1: 515. 1753; Hook. f., Fl. Brit. India 1: 277. 1874; Singh in Sharma & Sanjappa, Fl. Ind. 3: 136. 1993. **Assam ironwood; Nag keshar, Rukh keshar**. Tree. Less common. Endangered.

**36.3.2 *M. floribunda*** Wallich, N., *Plantae Asiaticae Rariores*, 3: t. 210. 1832. *Kayea floribunda* Wall. Tree. Rare.

**37. COMBRETACEAE** R. Br., *Prodr.*: 351. 27 Mar 1810, nom. cons. (the Indian Almond Family). Genus: 3; Species: 12

**37.1 *Combretum* Loefl.**

**37.1.1 *C. album*** Pers. *Syn. Pl.* 1: 411. 1805; Gang. & Chakrab. in *J. Econ. Tax. Bot.* 14: 225. 1997. **Seti lahara**. SC. Abundant.

**37.1.2 *C. decandrum*** Roxburgh, *Pl. Corom.* 1: 43, t. 59. 1795.

**37.1.3 *C. wallichii*** DC. var. ***flagocarpum*** (Clarke) M. Gangopadhyay & Chakraborty in *J. Econ. Tax. Bot.* 17(3): 680. 1993. Lianas. Common.

**37.2 *Quisqualis* L.**

**37.2.1 *Q. indica*** L., *Sp.Pl.* ed. 2. 1:556. 1762; DC., *Prodr.* 3: 23. 1828, Clarke in *Hook.f.,l.c.*; Cooke, l.c. *Q. indica* var. *oxypetala* Kurz; *Q. indica* var. *villosa* (Roxb.) C. B. Clarke, *Combretum indicum* (L.) Jongkind. **Chinese honeysuckle or Rangoon creeper; Rangoon-ke-bel; Malati**. SC.

**37.3 *Terminalia* L.**

**37.3.1 *T. alata*** Heyne ex Roth, *Nov. Pl. Ind. Or.* 379. 1821 (Unresolved). **Indian laurel, Asna, Pakhasaj, Saaj, Darsing, Sain, Sas**. Tree. Abundant.

**37.3.2 *T. arjuna*** (Roxb. ex DC.) Wight & Arn., *Prodr.* 314. 1834. Clarke in *Hook.f.,l.c.* 447. Pentaptera *arjuna* Roxb. **Arjun**. Tree. Abundant.

**37.3.3 *T. bellirica*** (Gaertn.) Roxb., *Pl. Corom.* 2: 54, t. 198. 1805; Miq., *Fl. Ind. Bat.* 1, 1. 600. 1855; Clarke in *Hook.f., Fl. Brit. Ind.* 2. 445. 1878. *Myrobalanus bellirica* Gaertner, *Fruct. Sem. Pl.* 2: 90. 1790 ["bellirina"]; *T. bellirica* var. *laurinoides* (Teijsmann & Binnendijk) C. B. Clarke. **Barra, Barro, Bahera**. Tree. Abundant.

**37.3.4 *T. catappa*** L., *Syst. Nat.* ed. 12. 2: 674 ["638"]. 1767. Brandis, l.c. 307; Clarke in *Hook.f.,l.c.* 444. *Juglans catappa* (L.) Loureiro; *Myrobalanus catappa* (L.) Kuntze; *Terminalia catappa* var. *chlorocarpa* Hasskarl; *T. catappa* var. *macrocarpa* Hasskarl; *T. catappa* var. *rhodocarpa* Hasskarl; *T. catappa* var. *subcordata* (Humboldt & Bonpland ex Willdenow) Candolle. **Kathe badam**. Tree.

**37.3.5 *T. chebula*** Retz., *Obs. Bot.* 5: 31. 1788; Dalz. & Gibson, *Bomb. Fl.* 91. 1861; Clarke in *Hook. f.,l.c.* 446. *Embryogonia arborea* Teijsmann & Binnendijk; *Myrobalanus chebula* (Retzius) Gaertne. **Aroo, Harra**. Tree.

**37.3.6 *T. crenulata*** Roth, *Nov. Pl. Sp.* 380. 1821 (Unresolved). *T. tomentosa* auct non Wight & Arn.; Clarke in *Hook.f.,l.c.* 447; *Pentaptera crenulata* (Roth) DC., *Prodr.* 3: 15. 1828. **Laurel; Pakasaj**. Tree. Less common.

**37.3.7 *T. myriocarpa*** van Heurck & Müller *Argoviensis* in Van Heurck, *Observ. Bot.* 215. 1871. **East Indian almond; Hollock, Panisaaj, Jhaluka, Jhalna**. Tree. Common.

**37.3.8 *T. tomentosa*** (Roxb.) Wight & Arn. *Cat. Ind. Pl.* 63. 1833 (Unresolved). **Indian-laurel; Pakasaj, Asna**. Tree.

**38. CONVULVULACEAE** Juss., *Gen. Pl.*: 132. Aug 1789, nom. cons. (the Morning - glory or Bind-weed Family). Genus: 9; Species: 27

**38.1 *Argyreia* Lour., 1790.**

**38.1.1 *A. hookeri*** C. B. Clarke, *Fl. Br. Ind.* 4: 185. 1883. **Hooker's Woodrose, Hooker's Morning Glory; Suntiki**. Herbaceous climber.

**38.1.2 *A. roxburghii*** (Wall.) Arn. ex Choisy. *Mém. Soc. Phys. Genève* 6: 419. 1833. *A. nasirii* D.F. Austin *Fl. W. Pakistan* 126: 4. 1979; *Convolvulus roxburghii* Wall. *Numer. List n.* 1415. 1829; *Ipomoea roxburghii* Sweet, *Hort. Suburb.* ed. 2, 289. 1826. **Fine silver-back vine bud**. SC. Endemic. Abundant.

**38.1.3 *A. thomsonii*** (C. B. Clarke) Craib ex Babu, *Fl. Bhutan* 2(2): 843. 1999 (Unresolved). *Lettsomia thomsonii* C.B. Clarke, *Fl. Brit. India [J. D. Hooker]* 4. 193.

**38.2 *Convolvulus* L.**

**38.2.1 *C. arvensis*** L. *Sp. Pl.* 1: 153. 1753. *C. arvensis* var. *angustatus* Ledebour; *C. arvensis* var. *crassifolius* Choisy; *C. arvensis* var. *linearifolius* Choisy; *C. arvensis* var. *sagittatus* Ledebour; *C. arvensis* var. *sagittifolius* Turczaninow. **Field bindweed**. PH,

**38.3 *Cuscuta* L.**

**38.3.1 *C. chinensis*** Lamarck, *Encycl.* 2(1): 229. 1786; Hook. f., *Fl. Brit. India* 4: 227. 1883. *C. chinensis* var. *carinata* (R. Br.) Engelm. **Common Dodder**. Parasitic herb. Rare.

**38.3.2 *C. reflexa*** Roxb., *Pl. Corom.* 2: 3, t. 104. 1798. *C. reflexa* var. *anguina* (Edgeworth) C.B. Clarke in *J. D. Hooker, Fl. Brit. India.* 4: 226. 1883; *C. reflexa* var. *anguina* (Edgeworth) Yuncker; *C. reflexa* var. *brachystigma* Engelm.; *C. reflexa* var. *reflexa*; *C. reflexa* var. *grandiflora* Engelm. **Swarnalata, Aakasbeli, Amarlati, Melan mili, Taarghey, Amabel**. Parasitic herb. Common.

**38.4 *Dinetus* Buch.-Ham. ex Sweet**

**38.4.1 *D. grandiflorus*** (Wall.) Staples, *Fl. Ind.*, ed. 2: 41-43. 1824. *Porana grandiflora* Wall., in Roxb., *Fl. Ind.* 2: 41 (1824); *Cat.* 36, n. 1324. 1829; CB Clarke in *Hook. f. Fl. Brit. Ind.* 4: 221. 1883; *Dinetopsis grandiflora* (Wall.) Roberty, *Candollea* 14: 27. 1952. Climber. Less common.

**38.4.2 *D. racemosus*** (Roxb.) Buch.-Ham. ex Sweet. *Brit. Fl. Gard.* 2: , pl. 127. 1825. *Porana racemosa* Wallich in Roxb. *Fl. Ind.*, ed. 1820, 2: 41. 1824. **Simson-rik**. PH.

**38.5 *Erycibe* Roxb.**

**38.5.1 *E. laurifolia*** D.G. Long, *Notes Roy. Bot. Gard. Edinburgh* 41(1): 129. 1983 (Unresolved).

**38.5.2 *E. paniculata*** Roxburgh, *Pl. Corm.* 2: 31, t. 159. 1798; Hook. f., *Fl. Brit. India* 4: 180. 1883 (Unresolved). SC.

**38.6 *Ipomoea* L. 1753**

**38.6.1 *I. aquatica*** Forsk. *Fl. Aegypt.-Arab.* 44. 1775. **Water Spinach; Kalmi Sak**. Herbaceous trailing vine.

**38.6.2 *I. batatas*** (L.) Lamarck, *Tabl. Encycl.* 1: 465. 1792 (Unresolved). Commonly cultivated.

**38.6.3 *I. carnea*** Jacq., *Enum. Pl. Carib.* 13. 1760. *I. carnea* ssp. *fistulosa* (Mart. ex Choisy) in DC., *Prodr.*

- 9: 349. 1845. **Bush morning glory; Behaya, Masterphula, Behaya.** Large straggling shrub. Abundant.
- 38.6.4 *Ipomoea cynanchifolia*** Meisn. Fl. Bras. 7: 274 1869.
- 38.6.5 *I. hederifolia*** L., Syst. Nat. ed. 10, 925. 1759. **Scarlet Creeper, Cardinal's Flower, Red Ipomoea, Scarlet or Red Morning glory; Thulo jayanti phool.** AC. Common.
- 38.6.6 *I. indica*** (Burmam) Merrill, Interp. Rumph. Herb. Amb. 445. 1917. *Convolvulus indicus* J. Burman, Index Univ. Herb. Amb. 7: 6. 1755. *P. indica* (J. Burman) R. C. Fang. **Blue dawn flower.** Twining herb.
- 38.6.7 *I. nil*** (L.) Roth, Cat. B. 1: 36. 1797. *I. nil* var. *setosa* (Blume) Boerlage; *Pharbitis nil* (L.) Choisy *Convolvulus nil* L., Sp. Pl. ed. 2. 1: 219. 1762. AH. Common.
- 38.6.8 *I. plebeia*** R. Brown, Prodr. 484. 1810. **Bell vine.** AH. Less common.
- 38.6.9 *I. purpurea*** (L.) Roth., B. Abh. 27. 1787; Clarke in Hook. f., Fl. Brit. Ind. 4:200.1883. *Convolvulus purpureus* L., Sp. Pl. ed. 2. 1: 219. 1762; *Pharbitis purpurea* (L.) Voigt, H. Suburb. Calc. 354. 1845. AC. Common.
- 38.6.10 *I. quamoclit*** L., Sp. Pl. 159. 1753; Roxb., Fl. Ind. ed Carey & Wall. 1:503.1832, Clarke in Hook. f., l.c. 199. **Chotaki gurubans, Taru-Lata.** AC. Common.
- 38.6.11 *I. turbinata*** Lagasca, Gen. Sp. Pl. 10. 1816. AC.
- 38.7 *Merremia* Dennst. ex Endl.**
- 38.7.1 *M. hirta*** (L.) Merrill, Philipp. J. Sci. 7: 224. 1912. *Convolvulus hirtus* L., Sp. Pl. 1: 159. 1753. Herb. Abundant.
- 38.7.2 *M. poranoides*** (C.B. Clarke) Hall.f., Bull. Herb. Boiss. 5: 375. 1897; Staples 2005. *Ipomoea poranoides* C.B. Clarke in Hook.f., Fl. Brit. India 4: 208. 1883; Staples 2005. Climbing herb.
- 38.7.3 *M. umbellata*** (L.) Hallier f. Bot. Jahrb. Syst. 16(4-5): 552, in obs. 552. 1893. *M. umbellata* var. *orientalis* H. Hallier, Verslag Staat Lands Plantentuin Buitenzorg 132. 1895. (1896). Herb. Abundant.
- 38.7.4 *M. vitifolia*** (Burm f.) H. Hallier, Bot. Jahrb. Syst. 16: 552. 1893. *Convolvulus vitifolius* Burm. f., Fl. Ind. 45.t.18. 1768.; *Ipomoea vitifolia* (Burm. f.) Blume, Bijdr. 709. 1826; Hook. f., Fl. Brit. India 4: 213. 1883; *Ipomoea vitifolia* (Burm. f.) Sweet. Grape-leaf Wood Rose. Twining shrub.
- 38.8 *Poranopsis* Roberty**
- 38.8.1 *P. paniculata*** (Roxb.) Roberty, Candollea 14: 26. 1953. *Dinetus paniculatus* (Roxb.) Sweet; *Porana paniculata* Roxb. Pl. Coromandel 3: 31, pl. 235. 1819; Choisy in DC., Prodr. 9: 436. 1845; Clarke in Hook. f., Fl. Brit. Ind. 4: 222. 1883. **Bridal creeper; Singhane Lahara.** SC. Common.
- 38.9 *Rivea* Choisy**
- 38.9.1 *R. roxburghii*** Prain ex D. Brandis, Indian Trees 484. 1906 (Unresolved); Chaudhury 1993. *R. roxburghii*, Prain. in Nov. Ind. 8, 89; *R. ornate* Choisy. Convol. Or. 409; Boyle III. 307 (Gamble's list). SC.
- 39. CORNACEAE** Bercht. & J. Presl, Prir. Rostlin 2(23): 91, 92. 1825, nom. cons. (the Dogwood or Nyssa Family). Genus: 4; Species:8
- 39.1 *Alangium* Lam.**
- 39.1.1 *A. alpinum*** (C.B. Clarke) W.W. Sm. & Cave, Rec. B. Surv. Ind. 6: 96, t. 2. 1914. *Marlea begoniifolia* Roxburgh var. *alpina* C. B. Clarke in J. D. Hooker, Fl. Brit. India 2: 744. 1879; *M. alpina* (C. B. Clarke) Brandis. **Mountain Alangium; Galasune.** Tree. Less common.
- 39.1.2 *A. chinense* ssp. *chinense*** (Lour.) Harms in Ber. Deuts. B. Ges. 15: 24. 1897. *Styloidium chinense* Loureiro, Fl. Cochinch. 1: 221. 1790; *Alangium begoniifolium* (Roxb.) Baill., Hist. Pl. 6: 270. 1877; *A. chinense* var. *taiwanianum* (Masamune) Koidzumi; *A. taiwanianum* Masa mune; *Marlea begoniifolia* Roxburgh 1814. **Akhane, Bhalu paile, Galsune, Luma shing.** Small tree.
- 39.2 *Aucuba* Thunb.**
- 39.2.1 *A. himalaica*** Hook.f. & Thums., Ill. Himal. Pl. t. 12. 1855. *Aucuba himalaica* var. *himalaica*. Shrub or small tree.
- 39.3 *Cornus* L.**
- 39.3.1 *C. capitata*** Wall. ex Roxb., Fl. Ind. ed. Carey. 1: 434. 1820. Brandis, For. Fl. 252.1874; C.B. Clarke in Hook. f., Fl. Brit. Ind. 2:275.1879. *Benthamia capitata* (Wallich) Nakai; *B. fragifera* Lindley; *Benthamidia capitata* (Wall.) H. Hara, J. Arn. Arb. 29: 115 (1948); in Fl. E. Him. 2: 92, t. 4a (1971); *Cynoxylon capitata* (Wall.) Nakai in Cat. Sem. et Spor. Hort. Bot. Univ. Tokyo. 23. 1923; *Dendrobenthamia capitata* (Wall.) Hutch. in Ann. Bot. N.S. 6. 93. 1942. **Evergreen dogwood; Bamora, Thammal, Ramkattar, Tongl-kúng.** Tree. Common.
- 39.3.2 *C. controversa*** Hemsl. Bot. Mag. 135: t. 8261. 1909. *Swida controversa* (Hemsl.) Soják, Novit. Bot. Delect. Seminum Horti Bot. Univ. Carol. Prag. 1960: 10. 1960; *S. controversa* (Hemsl.) Moldenke, Phytologia 17(2): 114. 1968. **Wedding cake tree, Giant Dogwood.** Tree.
- 39.3.3 *C. macrophylla*** Wall. ex Roxb., Fl. Ind. ed. Carey. 1: 433. 1820; Brandis, l.c. 252; C.B. Clarke in Hook.f., l.c. *C. macrophylla* var. *stracheyi* C. B. Clarke in J. D. Hooker, Fl. Brit. India. 2:744. 1879; *C. stracheyi* (C. B. Clarke) Hemsley; *C. macrophylla* var. *macrophylla*; *C. alpina* W. P. Fang & W. K. Hu; *C. brachypoda* C.A. Meyer (1845), not Miquel (1865); *C. corynostylis* Koehne; *C. crispula* Hance; *C. longipedunculata* W. P. Fang & W. K. Hu; *C. longipetiolata* Hayata; *C. taiwanensis* Kanehira; *Swida alpina* (W. P. Fang & W. K. Hu) W. P. Fang & W. K. Hu; *Bothrocaryum longipetiolatum* (Hayata) Pojarkova; *S. macrophylla* (Wallich) Soják; *S. macrophylla* var. *longipedunculata* (W. P. Fang & W. K. Hu) W. P. Fang & W. K. Hu; *Swida stracheyi* (C. B. Clarke) Soják. **Bangi Kath, Patmero.** Tree, rarely shrub. Not common.
- 39.4 *Nyssa* Gronov. ex L.**
- 39.4.1 *N. javanica*** (Blume) Wangerin in Engler, Pflanzenr. 41(IV. 220a): 15. 1910. *Agathisanthes javanica* Blume, Bijdr. 645. 1826; *Ceratostachys arborea* Blume; *Daphniphylopsis capitata* Kurz

(Gamble's list); *Ilex daphniphyloides* Kurz; *Nyssa arborea* (Blume) Koorders; *N. bifida* Craib; *N. sessiliflora* J.D. Hooker & Thomson. Gen. Pl. 1: 952. 1865. **Kaley, Chilauni, Lekh Chilauney, Pasjamshing, Tumbrúngkúg.** Tree.

**39.4.2** *N. sylvatica* Marshall, Arbust. Amer. 97. 1785. *N. multiflora* Wang. **Black tupelo, Black gum.** Tree.

**40. CRASSULACEAE** J. St.-Hil., Expos. Fam. Nat. 2: 123. Feb–Apr 1805, nom. cons. (the orpine family). Genus: 4; Species: 8

**40.1 Bryophyllum Salisb.**

**40.1.1** *B. pinnatum* (Lam.) Oken, Allgem. Naturgesch. 3(3): 1966 (1841). *Crassula pinnata* L.f., Suppl. Pl. 191. 1782; Parad. Lond. t. 3. 1805; *Kalanchoe pinnata* (L.f.) Persoon. **Air Plant, Life Plant, Miracle Leaf, Goethe Plant, Pathar Kuchi.** PH.

**40.2 Kalanchoe Adans.**

**40.2.1** *K. laciniata* (L.) DC, Pl. Hist. Succ. plate 100. 1802; Hook. f., Fl. Brit. India 2: 415. 1878. Herb.

**40.2.2** *K. lanceolata* (Fask.) Pers. Syn. Pl. (Persoon) 1: 446 (1805). *Cotyledon lanceolata* Forssk. 1775; *Verea lanceolata* (Forssk.) Spreng. (1825), AH.

**40.3 Rhodiola L.**

**40.3.1** *R. chrysanthemifolia* (H. Léveillé) S. H. Fu, Acta Phytotax. Sin., Addit. 1: 127. 1965. *Sedum chrysanthemifolium* H. Léveillé, Repert. Spec. Nov. Regni Veg. 12: 283. 1913. PH.

**40.3.2** *R. quadrifida* (Pallas) Schrenk in Fisch. & C. A. Meyer, Enum. Pl. Nov. 1: 69. 1841. PH.

**40.3.3** *R. sinuata* (Royle ex Edgew.) S. H. Fu, Acta Phyt. Sin. Addit. 1: 127. 1965. *Sedum sinuatum* Royle ex Edgeworth, Trans. Linn. Soc. London 20: 47. 1846; *S. linearifolium* Royle var. *sinuatum* (Edgeworth) Raymond-Hamet. **Trifid Sedum.** PH.

**40.4 Sedum L.**

**40.4.1** *S. multicaule* Wall. ex Lindl., Bot. Reg. 26 (misc.): 58. 1840. *S. multicaule* ssp. *multicaule*. PH.

**40.4.2** *S. quadrifidum* Pall., Reise. 3: 730. 1776; C. B. Clarke in Hook.f., Fl. Brit. Ind. 2: 418. 1878. PH.

**41. CUCURBITACEAE** Juss., Gen. Pl.: 393. 4 Aug 1789, nom. cons. (the Cucumber family). Genus: 27; Species: 43

**41.1 Biswarea Cogn.**

**41.1.1** *B. tonglensis* (C. B. Clarke) Cogn. in DC., Monogr. Phan. 3: 403. 1881; in Bull. S.B. Belg. 21(2): 16. 1882; in Engl., Pflreich. IV 275-II (Ht. 88): 175. 1924. *Warea tonglensis* C. B. Clarke, J. Linn. Soc., Bot. 15: 129. 1876; in Hook. f., Fl. Brit. India 2: 612. 1879. Rare.

**41.2 Cayaponia Silva Manso**

**41.2.1** *C. laciniosa* (L.) C. Jeffrey. Kew Bull. 15: 346. 1962. *Bryonia laciniosa* L. Sp. Pl. 1013. 1753; *Bryonopsis laciniosa* (L.) Naud. Ann. Sci. Nat., Bot. IV, 12: 141. 1860. Climber. Sparse.

**41.3 Citrullus Schrad. ex Eckl. & Zeyh.**

**41.3.1** *C. lanatus* var. *lanatus* (Thunb.) Matsum. & Nakai. Index Seminum (TI) 1916: 30 1916. *Momordica lanata* Thunb. Prodr. Pl. Cap. 13. 1794. *Citrullus colocynthis* Schrader var. *lanatus*

(Thunberg) Matsumura & Nakai. AH. Commonly cultivated or escaped.

**41.4 Coccinia Wight & Arn.**

**41.4.1** *C. grandis* (L.) Voigt, H. Suburb. Calc. 59. 1845. *Bryonia grandis* Linnaeus, Syst. Nat., ed. 12, 2: 640; Mant. Pl. 1: 126. 1767; *Cephalandra indica* Naudin, Ann. Sc. Nat. Ser. 5.5: 16. 1859, nom. illeg. superfl. Clarke in Hook.f. in Fl. Brit. India 2: 621. 1879. **Scarlet gourd. Gol kankri, Kundri, Tela-Kucha.** PC. Abundant.

**41.5 Cucumis L.**

**41.5.1** *C. melo* Sp. Pl. 1011. 1753; Clarke in Hook. f., Fl. Brit. India 2: 620. 1879. **Wild melon, Musk melon; Thulo airelu.** Climber.

**41.6 Cucurbita L.**

**41.6.1** *C. maxima* Duchesne, Essai Hist. Nat. Courges. 7, 12. 1786. *C. pepo* L. var. *maxima* (Duchesne) Delile. Climber.

**41.7 Cyclanthera Schrad. 1831**

**41.7.1** *C. pedata* (L.) Schrad. in Linnaea 8. Litt. Ber. 23. 1881. *Momordica pedata* L., Sp. Pl. 2: 1009. 1753. AH. Common.

**41.8 Diplocyclos (Endl.) T. Post & Kuntze**

**41.8.1** *D. palmatus* (L.) C. Jeffery, in Kew Bull. 15: 352. 1962. *Bryonia palmata* L. Sp. Pl. 1012. 1753. PC. Common.

**41.9 Edgaria C.B. Clarke**

**41.9.1** *E. darjeelingensis* C.B. Clarke, J. Linn. S. B. 15: 114. 1877 (publ. 1876); in Hook. f. Fl. Br. Ind. 2: 632. 1879; Renner 2013. *E. darjeelingensis* C.B. Clarke var. *clarkeana* S. N. Biswas, J. Econ. Taxon. Bot. 18(1): 173, f. A-1-6. 1994 (as *clarkiana*). *Herpetospermum darjeelingense* (C.B. Clarke) H. Schaeff. & S.S. Renner, comb. nov., Taxon 60(1): 134. 2011; EAC. Endemic. Abundant.

**41.10 Gomphogyne Griff.**

**41.10.1** *G. cissiformis* Griff., Pl. Cantor. 26, in adnot., t. 4. 1837; Clarke in Hook. f. Fl. Brit. India 2: 632. 1879. Climber. Common.

**41.11 Gymnopetalum Arn.**

**41.11.1** *G. cochinchinense* (Lour.) Kurz, Flora 54: 29 (1871). *G. cochinchinensis* (Lour.) Kurz in J. Asiat. Soc. Bengal 40: 57. 1871; Clarke in Hook./, Fl. Brit. India 2: 611. 1879; *Bryonia cochinchinensis* Lour., Fl Cochinch. 156. 1790. Climber. Common.

**41.12 Gynostemma Blume**

**41.12.1** *G. pentaphyllum* (Thunb.) Makino, B. Mag. Tokyo 16: 179. 1902. *Vitis pentaphylla* Thunberg in Murray, Syst. Veg., ed. 14, 244. 1784; *G. pedatum* Blume, Bijdr. 23. 1825; Clarke in Hook. f., Fl. Brit. India 2: 633. 1879. **Sweet Tea Vine; Churcharay lahara.** PH. Very common.

**41.13 Herpetospermum Wall.**

**41.13.1** *H. pedunculatum* (Ser.) Baill., Hist. Pl. 8: 445. 1886. *Bryonia pedunculata* Seringe in Candolle, Prodr. 3: 306. 1828; *H. caudigerum* Wall. ex C. B. Clarke, Fl. Br. Ind. 2: 613. 1876. **Beej Karela.** AC. Rare.

**41.13.2** *H. tonglense* (C.B. Clarke) H. Schaeff. & S.S. Renner, Taxon 60(2): 615. 2011. Kew plant list accepted both *H. tonglense* and *B. tonglensis* listed above.

**41.14 Hodgsonia Hook.f. & Thomson**

**41.14.1 *H. macrocarpa*** (Bl.) Cogn. *Trichosanthes macrocarpa* Bl; *Hodgsonia heteroclita* Hook. f. and Thomson. in Proc. Linn. Soc. London 2:257. 1853; Clarke in Hook. Fl. Brit. India 2: 606.1879. **Ghyu phal, Ban pharsi, Gulur.** Climber. Less common.

**41.15 Luffa Mill.**

**41.15.1 *L. acutangula*** (L.) Roxb., Hort. Beng. 70. 1814. *Cucumis acutangulus* L., Sp. Pl. 2: 1011. 1753; *L. acutangula* var. *subangulata* (Miquel) Cogniaux. AC. Cultivated. Abundant in foothills.

**41.15.2 *L. aegyptiaca*** Miller, Gard. Dict "ed 8" 4: 500. 1785. *Momordica luffa* L., Sp. Pl. 2: 1009. 1753. Abundant in foothills.

**41.15.3 *L. cylindrica*** (L.) Roem.; Fam. Syn. 2: 63 (1846). *L. pentandra* Roxb.; Fl. Ind. ed. 2, 3: 712. 1832; *L. racemosa* Roxb., Fl. Ind. 3: 715.1832. **Ghiraunlo.** Climber.

**41.15.4 *L. echinata*** Roxb., Hort. Bengal. 104. 1814; Shrestha et al. 2004. Climbing herb.

**41.15.5 *L. graveolens*** Roxb., Fl. Indica (ed Carey). 3: 716. 1832; Clarke in Hook, f., Fl. Brit. India 2: 614. 1879; Shrestha & Kase 1997, Shrestha et al. 2004. Herb. Common.

**41.16. Melothria L.**

**41.16.1 *M. angulata*** Chakravarty in J. Bomb. Nat. Hist. Soc. 50: 899. 1952 (Unresolved). **Bonkundari, Kudari, Makal, Mahakal.** PH. Rare.

**41.17 Momordica L.**

**41.17.1 *M. cochinchinensis*** (Loureiro) Sprengel, Syst. Veg. 3: 14. 1826. *Muricia cochinchinensis* Loureiro, Fl. Cochinch. 2: 596. 1790. Climber. Common.

**41.17.2 *M. dioica*** Roxb. ex Willd.; Sp. Pl. 4: 605 (1805). **Ban-Karala, Sano tite karela.** Climber. Less common.

**41.18 Mukia Arn.**

**41.18.1 *M. maderaspatana*** (L.) Roem., Fam. Syn. Mon. 2: 47. 1846. *Bryonia scabrella* L., ; in L. f., Suppl. Pl. 424 (1781). *Melothria maderaspatana* (L.) Cogn.; in DC., Monogr. Phan. 3: 623 (1881); in Engl., Pflreich. IV-275, 1 (Ht. 66): 126, f. 29 (1916). *Mukia scabrella* (L. f.) Arn., ; in Hook., J. B. 3: 276 (1841). **Matyandre kankri, Nagilangiai.** AH. Abundant.

**41.19 Neoalsomitra Hutch.**

**41.19.1 *N. clavigera*** (Wall.) Hutch., Ann. B. n.s. 6: 100. 1942. *N. integrifoliola* (Cogniaux) Hutchinson; *N. tonkinensis* (Gagnepain) Hutchinson; *Zanonia clavigera* Wallich, Pl. Asiat. Rar. 2: 28. 1831; *Alsomitra clavigera* (Wallich) M. Roemer; *A. integrifoliola* (Cogniaux) Hayata; *A. pubigera* Prain; *A. tonkinensis* Gagnepain; *Gynostemma elongatum* Merrill; *G. integrifoliolum* Cogniaux; *Hemsleya elongata* (Merrill) Cogniaux; *H. henryi* Cogniaux. Climber.

**41.20 Schizopepon Maxim.**

**41.20.1 *S. longipes*** Gagnep., Bull. Mus. Natl. Hist. Nat. 24(5): 378. 1918. Climber.

**41.21 Sechium P. Browne**

**41.21.1 *S. edule*** (Jacq.) Sw., Fl. Ind. Occ. 2: 1150. 1800; Sunar et al. 2013. *Sicyos edulis* Jacquin, Enum. Syst. Pl. 32. 1760. **Iskus.** GC. Abundant.

**41.22 Siraitia Merr.**

**41.22.1 *S. sikkimensis*** (Chakrav.) C. Jeffrey ex A.M. Lu & J.Q.Li Acta Phytotax. Sin. 31(1): 54 1993. (Unresolved). AC. Endemic.

**41.23 Solena Lour.**

**41.23.1 *S. amplexicaulis*** (Lam.) Gandhi. Fl. Hassan District 179 179. 1976. *Melothria amplexicaulis* (Lam.) Cogn. Monogr. Phan. 3: 621. 1881; *M. heterophylla* (Loureiro) Cogniaux in DC., Monogr. Phan. 3: 618. 1881; *Solena heterophylla* Lour. Fl. Cochinch. 2: 514-515. 1790. Herb. Abundant.

**41.24 Thladiantha Bunge 1833**

**41.24.1 *T. cordifolia*** (Blume) Cogn., in DC., Monogr. Phan. 3: 424. 1881. *Luffa cordifolia* Blume, Bijdr. 929. 1826; *Gymnopetalum piperifolium* Miquel; *Thladiantha calcarata* C. B. Clarke; *T. calcarata* var. *subglabra* Cogniaux; *T. calcarata* var. *tonkinensis* Cogniaux; *T. cordifolia* var. *tomentosa* A. M. Lu & Zhi Y. Zhang; *T. cordifolia* var. *tonkinensis* (Cogniaux) A. M. Lu & Zhi Y. Zhang; *T. globicarpa* A. M. Lu & Zhi Y. Zhang; *T. omeiensis* T. Y. Zhu; *T. tonkinensis* Gagnepain; *Trichosanthes javanica* Miquel. Herb. Common.

**41.24.2 *T. dubia*** Bunge, Enum. Pl. Chin. Bor. 29. 1833; Mém. Sav. Étr. Acad. St. Pétersbourg 2: 108. 1835. *Gymnopetalum horsfieldii* Miq., *G. piperifolium* Miq. **Golden creeper, red hailstone.** Climber.

**41.25 Trichosanthes L.**

**41.25.1 *T. cordata*** Roxb., Fl. Ind. ed. 2, 3: 703. 1832. *T. microsiphon* Kurz. *Involucraria cordata* (Roxburgh) Roemer; Climber. Common.

**41.25.2 *T. dioica*** Roxb., Fl. Ind. 3: 701. 1832 (Unresolved). *Anguina dioica* (Roxb.) Kuntze. Revis. Gen. Pl. 1: 254: 1891. **Pointed gourd.** PC.

**41.25.3 *T. lepiniana*** (Naud.) Cogn. in A. Candolle & C. Candolle, Monogr. Phan. 3: 377. 1881. *Involucraria lepiniana* Naudin in Huber, Cat. 11. 1868. **Indraynee.** Climber. Common.

**41.25.4 *T. pilosa*** Lour. Fl. Cochinch. 588 1790. *T. ovigera* Blume Bijdr. 934 1826. Herbaceous climber.

**41.25.5 *T. tricuspida*** Lour., Fl. Cochinch. 589. 1790. *T. bracteata* (Lam.) Voigt, Cat. H. Calc. 58. 1845; *T. lepiniana* (Naudin) Cogn., in DC., Monogr. Phan. 3: 377. 1881; *T. palmata* Roxb., Fl. Ind. ed. 2, 3: 704. 1832; *T. pubera* Blume, Bijdr. 936. 1826; *T. quinquangulata* A. Gray, U.S. Exped. B. 1: 645. 1854; *Involucraria lepiniana* Naudin, Huber, Cat. 11 (1868); *Modecca bracteata* Lam., Encycl. 4: 210. 1796. **Indreni; Makal phal.** Climber. Less common.

**41.25.6 *T. truncata*** C. B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 608. 1879. *T. crispispala* C.Y. Wu ex S. K. Chen; *T. ovata* Cogn. in A. & C. DC., Monogr. Phan. 3: 365. 1881. Herbaceous climber.

**41.25.7 *T. wallichiana*** (Ser.) Wight, Madras J. Lit. Sci. 12: 52. 1840; Ann. & Mag. Nat. Hist. 8: 270. 1842. *T. bracteata* (Lamarck) Voigt var. *scotanthus* (C. B. Clarke) Handel-Mazzetti; *T. grandibracteata* Kurz; *T. palmata* Roxburgh var. *scotanthus* C. B. Clarke; *Involucraria wallichiana* Seringe, Mém. Soc. Phys. Genève 3(1): 25. 1825. **Indreni.** Climber. Less common.

**41.26 Zanonia L.**



- 41.26.1** *Z. indica* L., Sp. Pl. ed. 2: 2: 1457. 1763. PC. Common.
- 41.27** *Zehneria* Endl.
- 41.27.1** *Z. bodinieri* (H. Lév.) W.J. de Wilde & Duyfjes, Thai Forest Bull., Bot. 32: 17. 2004. Climber.
- 41.27.2** *Z. japonica* (Thunb.) H.Y. Liu, Bull. Natl. Mus. Nat. Sci. (Taichung) 1: 40. 1989. *Z. indica* (Lour.) Keraudren; Fl. Camb. Laos & Viet. 15: 52, t. 9, f. 58 (1975); *Melothria odorata* J. D. Hooker & Taylor ex C. B. Clarke, Fl. Brit. India 2(6): 626–627. 1879; *M. indica* Lour., Fl. Cochinch. 35. 1790; Cogn. In DC., Mon. Phan. 3: 598. 1881, et in Engl., Pflanzenr. 66 (IV. 275. 1): 98. 1916; CB Clarke in Hook. f., Fl. Brit. Ind. 2: 626. 1879. **Mouse cucumber.** Annual vine.
- 41.27.3** *Z. maysorensis* (Wight & Arn.) Arn., in Hook., J. B. 3: 275 (1841). *Bryonia maysorensis* Wight & Arn., Prodr. 345. 1834. Herbaceous climber. Common.
- 41.27.4** *Z. mucronata* (Blume) Miq., Fl. Ned. Ind. 1(1): 656. 1855. *Bryonia mucronata* Blume, Bijdr. Fl. Ned. Ind. 15: 923. 1826. *Pilogyne mucronata* (Blume) W.J.de Wilde & Duyfjes, Reinwardtia 12(5): 410. 2009, nom. inval. *Melothria mucronata* (Blume) Cogniux in DC., Monog. Phan. 3: 608. 1881. Herbaceous vine. Rare.
- 42. DAPHNIPHYLLACEAE** Müll.-Arg. in A.P. de Candolle & A.L.P.P. de Candolle, Prodr. 16(1): 1. med. Nov 1869, nom. cons. (the daphniphyllum family). Genus: 1; Species:1
- 42.1** *Daphniphyllum* Blume
- 42.1.1** *D. himalayense* (Benth.) Müll.Arg., in DC., Prodr. 16(1): 4. 1869 ssp. *himalayense*; Hook. f. in Fl. Br. Ind. 5: 354. 1887. *Goughia himalensis* Bentham, Hooker's J. Bot. Kew Gard. Misc. 6: 9.1854. **Rakta chandan.** Tree. Less common.
- 43. DILLENACEAE** Salisb., Parad. Lond. 2: ad t. 73. 1 Jun 1807, nom. cons. (the Dillenia family). Genus: 1; Species:4
- 43.1** *Delima*
- 43.1.1** *D. sarmentosa* Herb. Amb. 18 1754 (Unresolved). **Monkyourik.** Climber. Not common.
- 43.2** *Dillenia* L.
- 43.2.1** *D. indica* L., Sp. Pl. 1: 535. 1753; Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 36. 1872; Brandis For. Fl. 1; Majumdar in Sharma, Fl. Ind. 1: 155. 1993. *D. speciosa* Thunberg., Trans. Linn. Soc. London 1: 200. 1791. **Chalta, Panch-phal, Panchkule, Phamsikol, Ramphal, Mechiaphal, Sun-góm.** Tree. Less common.
- 43.2.2** *D. pentagyna* Roxb., Pl. Corom. 1: 21, t. 20. 1795; Fl. Ind. ed. 2, 2: 652. 1832; ; Hook. f., Fl. Brit. India 1: 38. 1872; Majumdar in Sharma et al., Fl. Ind. 1: 156. 1993. **Akshi, Bon chalta, Tatari, Tantari, Ram phal, Karkotta, Shuknikúng.** Tree. Common.
- 43.3** *Tetracera* L.
- 43.3.1** *T. sarmentosa* (L.) Vahl, Symb. Bot. 3: 70. 1794. *Delima sarmentosa* L., Gen. Pl., ed. 5, App. 1754 ["*sarmentosa*"] (Gamble's list). Ssp. *andamanica* (Hoogl.) not in KEW list. **Monkyourk.** Shrub and Lianas.
- 44. DIPTEROCARPACEAE** Blume, Bijdr. 4: 222. 20 Sep–7 Dec 1825, nom. cons. (the Meranti Family).
- 44.1** *Shorea* Roxb. ex C.F.Gaertn. Genus: 2; Species:2
- 44.1.1** *S. robusta* C. F. Gaertner, Suppl. Carp. 48. 1805; Sivaramakrishnan 1996; Kushwaha & Nandy 2012. **Sal, Saal, Sakhuwa, Taksal-kúng, Sasingba, Phoksing, Solam, Koraila.** Tree. Abundant.
- 44.2** *Vatica* L.
- 44.2.1** *V. lanceifolia* (Roxb.) Blume, Mus. Bot. 2: 31. 1856. *Vateria lanceifolia* Roxb., Fl. Ind. 2: 601. 1824. Tree. Critically Endangered.
- 45. DROSERACEAE** Salisb., Parad. Lond. 2: ad t. 95. 1 Feb 1808, nom. cons. (the Sundew Family). Genus: 1; Species:1
- 45.1** *Drosera* L.
- 45.1.1** *D. burmannii* Vahl., Symb. Bot. 3: 50. 1794. **Burmans sundew.** AH. Common.
- 46. EBENACEAE** Gürke in Engler & Prantl., Nat. Pflanzenfam. 4/1: 153. 1891, nom. cons. (Persimmon or ebony family). Genus: 1; Species:1
- 46.1** *Diospyros* L.
- 46.1.1** *D. montana* Roxb., Pl. Coromandel 1: 37. 1795. **Mottled Ebony; Tamal.** Small tree. Rare.
- 47. ELAEAGNACEAE** Juss., Gen. Pl.: 74. 4 Aug 1789; nom. cons. Hippophaeaceae G.Mey., Chloris Han.: 456, 460. Jul–Aug 1836 (the oleaster family). Genus: 1; Species:3
- 47.1** *Elaeagnus* L.
- 47.1.1** *E. conferta* Roxburgh, Fl. Ind. ed. Carey 1: 460. 1820. SC. Less common.
- 47.1.2** *E. latifolia* L., Sp. Pl. 121. 1753. *Elaeagnus conferta* Roxb. **Bastard Oleaster; Wild Olive; Bastard Olive.** Small tree.
- 47.1.3** *E. pyriformis* Hooker f. in Fl. Brit. India 5: 202. 1886. Shrub. Rare.
- 48. ELAEOCARPACEAE** Juss. in A.P. de Candolle, Essai Propr. Méd. Pl., ed. 2: 87. 11 Mai 1816, nom. cons. (the Elaeocarpus Family). Genus: 2; Species:9
- 48.1** *Echinocarpus*
- 48.1.1** *E. dasycarpus* Benth. J. Proc. Linn. Soc., Bot. 5 (suppl. 2): 73. 1861 ["*dasycarpa*"]; Gamble 1878 (Unresolved). *Sloanea dasycarpa* (Bentham) Hemsley, Hooker's Icon. Pl. 27(2): , pl. 2628, in nota 1900. **Be-it- kúng, Taksal, Gobria.** Tree. Common.
- 48.1.2** *E. sterculiaceus* Bentham. J. Proc. Linn. Soc., Bot. 5(Suppl. 2): 72 1861 (Unresolved). *Sloanea sterculiacea* (Benth.) Rehder & E.H. Wilson. **Banj, Gobre.** Tree.
- 48.1.3** *E. tomentosus* Benth., J. Proc. Linn. Soc., Bot. 5(Suppl. 2): 73. 1861; Gamble 1878 (unresolved). *Sloanea tomentosa* (Benth.) Rehder & E. H. Wilson in Sarg., Pl. Wilson. 2: 362. 1915. **Kaktay, Taksor-kúng.** Tree. Rare.
- 48.2** *Elaeocarpus* L.

- 48.2.1** *E. lanceifolius* Roxburgh, Fl. Ind., ed. 1832. 2: 598. 1832 [*“lanceaeifolius”*]; Gamble 1878. **Bhadras, Batrachi, Shepkew-kung**. Tree. Less common.
- 48.2.2** *E. prunifolius* Wall. ex Müll. Berol. Annot. Elaeocarp. 15 1849. Tree. Vulnerable.
- 48.2.3** *E. rugosus* Roxburgh, Fl. Ind., ed. 1832. 2: 596. 1832 (Unresolved). Tree. Vulnerable.
- 48.2.4** *E. sikkimensis* Masters in J. D. Hooker, Fl. Brit. India. 1: 402. 1874. **Bhadrase**. Tree. Common.
- 48.2.5** *E. tectorius* (Lour.) Poir. in Lam., Encycl. Suppl. 2: 704. 1812. *E. robustus* Roxb., Fl. Ind. ed. 2, 2: 597. 1832 (Gamble's list). **Bepari**. Tree.
- 48.2.6** *E. varunua* Buchanan-Hamilton ex Masters in J. D. Hooker, Fl. Brit. India. 1: 407. 1874. **Bhadrase**. Tree. Less common.
- 49. ERICACEAE** Juss., Gen. Pl.: 159. 4 Aug 1789, nom. cons. (the Blueberry or Heath Family). Genus: 11; Species: 67
- 49.1 Agapetes G. Don**
- 49.1.1** *A. hookeri* (C.B. Clarke) Sleumer Bot. Jahrb. Syst. 70: 106 1939. *Pentapterygium hookeri* C.B. Clarke. Epiphyte. Endemic. Less common.
- 49.1.2** *A. incurvata* (Griff.) Sleumer, B. Jahrb. 70: 105. 1939. *A. incurvata* var. *hookeri* (Griff.) Sleumer, Kew Bull. 13: 486. 1959; *Gaylussacia incurvata* Griffith, Ic. Pl. Asiat. 4: t. 506. 1854; *Pentapterygium rugosum* (J. D. Hooker & Thomson ex Hooker) J. D. Hooker; *Vaccinium rugosum* J. D. Hooker & Thomson ex Hooker. Shrub. Less common.
- 49.1.3** *A. saligna* (Hook. f.) Hook. f. ex Benth. & Hook. f., Gen. Pl. 2: 571. 1876. *Vaccinium salignum* Hook. f. 3. Himal. Pl. t. 15A. 1855. Shrub.
- 49.1.4** *A. serpens* (Wight) Sleumer, B. Jahrb. 70: 105. 1939; Sinha 2013. *Vaccinium serpens* Wight, Calcutta J. Nat. Hist. 8: 171. 1847; *Pentapterygium serpens* (Wight) Klotzsch, Linnaea 24: 47. 1851. **Himalayan lantern; Bandare khorsane, Khursani, Kaliharchu, keemboden**. Epiphyte. Endemic. Less common.
- 49.1.5** *A. smithiana* Sleumer in Bot. Jahrb. Syst. 70: 106. 1939 [a new name for *Pentapterygium sikkimense* W.W. Sm. in Rec. Bot. Surv. India 4: 268. 1911 (based on specimens collected by Charles Gilbert Rogers from lower Tonglu in 1899)]. Epiphyte. Endemic.
- 49.2 Cassiope D. Don**
- 49.2.1** *C. fastigiata* (Wall.) D. Don, Edinburgh New Philos. J. 17: 158. 1834; C.B. Clarke, l.c. 459; Brandis, Ind. Trees. 408. 1911. *Andromeda fastigiata* Wall. in Asiat. Research. 13: 394. 1820. Shrub.
- 49.3 Diplycosia**
- 49.3.1** *D. indica* Debta & Chowdhery, J. Bot. Res. Inst. Texas 3(1): 147. 2009. New record. [Heterotypic synonym *Gaultheria akaensis* Panda & Sanjappa, Edinburgh J. Bot. 63: 15-20. 2006 (Panda et al. 2012)]. Shrub. Endemic.
- 49.4 Enkianthus Lour.**
- 49.4.1** *E. deflexus* (Griff.) C.K. Schneid., Ill. Handb. Laubh. 2: 521. 1911. *E. deflexus* var. *deflexus*; *E. deflexus* var. *variegatus* (Forrest) Forrest; *E. himalaicus* Hook. f. & Thomson, in Hook., J. B. Kew Misc. 7: 125, t. 3 (1855); *Rhodora deflexa* Griffith, Itin. Pl. Khasyah Mts. [Posthum. Papers 2]: 148. 1848; *Meisteria deflexa* (Griff.) Nakai, ; B. Mag. Tokyo 38: 39 (1924). **Rato angeri**. Tree.
- 49.5 Gaultheria Kalm ex L.**
- 49.5.1** *G. akaensis* S. Panda & Sanjappa, Edinburgh J. Bot. 63: 15. 2006. *Diplycosia indica* M. R. Debta & H. J. Chowdhery, J. Bot. Res. Inst. Texas 3: 147. 2009 (both accepted by KEW). Shrub. Endemic. Critically endangered.
- 49.5.2** *G. fragrantissima* Wall., As. Research. 13: 397, t. 1820; Cat. 23, n. 765. 1829; Bantawa & Mondal 2008; Bantawa 2009; Bantawa et al. 2011. *Gaultheria fragrans* D. Don, Prodr. Fl. Nep. 151 (1825), nom. illegit. *Arbutus laurifolia* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 151 (1825), pro syn. **Indian Wintergreen, Fragrant Wintergreen; Kaloma, Jathyroid, Machino, Dhasingare, Goenhli, Chanchhewaa, Wel-kaparu**. PH. Endemic. Less common.
- 49.5.3** *G. griffithiana* Wight, Calc. J. Nat. Hist. 8: 176. 1847; Ic. Pl. As. Or. 4: t. 1197. 1848. *G. griffithiana* var. *griffithiana*. Shrub, rarely small tree.
- 49.5.4** *G. hookerii* C. B. Clarke, Fl. Br. Ind. 3: 458. 1882. *G. fragrantissima* Wall. var. *racemosa* Hook. f. ex C.B. Clarke (1882: 458). *G. hookeri* var. *hookeri*; Panda 2012. **Kalum, Kalumba, Pochu**. Shrub. Rare.
- 49.5.5** *G. nummularioides* D. Don, Prodr. Fl. Nepal. 150. 1825. *G. nummulariae* DC.; *Brossaea nummularioides* Kuntze; Shrub. Abundant.
- 49.5.6** *G. pyroloides* Hook. f. & Thomson ex Miq., Ann. Mus. B. Lugd.-Bat. 1: 30. 1863, quoad pl. sikkim., emend. Takeda in B. Mag. Tokyo 32: 195. 1918. *G. pyrolaefolia* Hook. f. ex C. B. Clarke, Fl. Br. Ind. 3: 457. 1882. **Miquel's spicy or Japanese wintergreen**. Shrub. Less common.
- 49.5.7** *G. semi-infera* (C. B. Clarke) Airy Shaw, Bull. Misc. Inform. Kew. 1940: 306. 1941. *Diplycosia semi-infera* C. B. Clarke in J. D. Hooker. Fl. Brit. India 3: 459. 1882. Shrub.
- 49.5.8** *G. trichophylla* Royle, Ill. Bot. Himal. Mts. 260. 1835. *Brossaea trichophylla* (Royle) O. Kuntze. Shrub..
- 49.5.9** *G. vaccinoides* Griseb. ex Wedd., Chlor. Andina. 2: 176. 1860. *G. vaccinoides* var. *humilis* Wedd., Chlor. Andina. 2: 176. 1860. Shrub.
- 49.6 Lyonia Nutt.**
- 49.6.1** *L. ovalifolia* (Wall.) Drude, in Engl., Pflfam. 4(1): 44. 1889. *L. ovalifolia* var. *lanceolata* (Wallich) Handel-Mazzetti, Symb. Sin. 7: 788. 1936; *Pieris ovalifolia* var. *lanceolata* (Wall.) C. B. Clarke, Fl. Br. Ind. 3: 461. 1882; *Xolisma ovalifolia* (Wall.). Rehder, J. Arn. Arb. 5: 52. 1924. **Angeri, Balijhar, Jagguchal, Kangshior, Piasay**. Tree. Frequent.
- 49.6.2** *L. villosa* (Wall. ex C.B. Clarke) Hand.-Mazz., Symb. Sin. 7(4): 789. 1936. *Xolisma villosa* (Hook. f.) Rehder; J. Arn. Arb. 5: 53 (1924). **Hairy staggerbush; Lek angeri**. Shrub or small tree.
- 49.7 Monotropa L.**
- 49.7.1** *M. uniflora* L., Sp. Pl. 1: 387. 1753. Herb. Rare.
- 49.8 Monotropastrum Andres**

- 49.8.1 *M. humile*** (D. Don) H. Hara, J. Jap. Bot. 36: 78. 1961. *Monotropia humilis* D. Don, Prodr. Fl. Nepal. 151. 1825; *Cheilothecha humilis* (D. Don) H. Keng. Myco-heterotrophic.
- 49.9 *Pieris* D. Don**
- 49.9.1 *P. formosa*** (Wall.) D. Don, Edinb. New Philos. J. 17: 159. 1834; CB Clarke in Hook. F. Fl. Brit. Ind. 3: 461. 1882. *Pieris formosa* var. *forrestii* (Harrow) Airy Shaw; *Andromeda formosa* Wallich, Asiat. Res. 13: 395. 1820; *Lyonia formosa* (Wallich) Handel-Mazzetti. **Chinese pieris, Himalayan pieris, Lily of the valley bush; Lekh angeri, Peyru.** Shrub or small tree. Endemic. Rare.
- 49.10 *Rhododendron* L.**
- 49.10.1 *R. anthopogon*** D. Don, Mem. Wern. Nat. Hist. Soc. 3: 409. 1821; Sekar & Srivastava 2010; Bhattacharyya 2011. *R. anthopogon* var. *album* Davidian; ssp. *hypenanthum* (Balf. f.) J. Cullen. **Dwarf Rhododendron; Sunpaati.** Epiphyte. Dwarf shrub. Vulnerable.
- 49.10.2 *R. aprade*** U. Rai et D. Lama, sp. nov (2016). New record (not in Kew list). Small tree. Endemic.
- 49.10.3 *R. arboreum*** Smith, Exot. Bot. 1: 9, t. 6. 1805; C.B. Clarke in Hook.f., Fl. Brit. India 3: 465. 1882. *R. arboreum* var. *arboretum* (C. B. Clarke) Ridley; *R. arboreum* var. *cinnamomeum* (Wallich ex G. Don) Lindley, Edwards's Bot. Reg. 23: t. 1982. 1837; *R. arboreum* var. *roseum* Lindley, Edwards's Bot. Reg. 15: t. 1240. 1829; *R. arboreum* var. *album* Wall., Pl. As. Rar. 2: 23, t. 123. 1832; *R. arboreum* ssp. *campbelliae* (Hook. f.) Tagg.; J. B. Stevenson (ed.), Sp. Rhod. 15. 1930; *R. arboreum* var. *campbelliae* (Hook. f.) Hook. f. ex Lacaíta, ; J. Linn. S. B. 43: 472/ 1916, nom. nud. Spring Fl. Sik. Him. f. 57, 62 & 63. 1963; *R. arboreum* ssp. *cinnamomeum* (Wall. ex G. Don) Tagg, J. B. Stevenson (ed.), Sp. Rhod. 15. 1930; *R. arboreum* ssp. *nilagiricum* Zenk. Ghosh & Saha 2013. **Etometo, Lali Gurans, Lal-guras, Laligurans, Bhorans, Dotial, Rato gurans; Taggu; Baras; Al-etok-koong; Etok.** Tree. Frequent.
- 49.10.4 *R. arboreum*** Smith ssp. *arboreum* Pradhan & Lachungpa, Sikkim Himal. Rhod. 77. 1990. Common.
- 49.10.5 *R. arboreum*** Smith ssp. *cinnamomeum* (Wallich ex G. Don) Tagg, Sp. Rhodod. 15: 15. 1930 = *R. arboreum* var. *cinnamomeum* (Wall. ex G. Don) Lindl.; *R. cinnamomeum* Wallich ex G. Don, Gen. Hist. 3: 844. 1834; *R. arboreum* ssp. *campbelliae* (J.D. Hooker) Tagg, Sp. Rhodod. 15. 1930. Common, but the white form very rare.
- 49.10.6 *R. arboreum*** ssp. *cinnamomeum* var. *roseum* (Pradhan et al. 2015).
- 49.10.7 *R. arboreum*** ssp. *delavayi* (Franch.) D.F. Chamberlain, in J.L. Luteyn, Contrib. Classif. Rhod. 45. 1980 = *R. delavayi* var. *delavayi*. Vulnerable.
- 49.10.8 *R. barbatum*** Wall. ex G. Don, Gen. Syst. 3: 844. 1834; C.B. Clarke in J.D. Hooker, Fl. Brit. India. 3: 468. 1882. Bhattacharyya 2011. *R. lancifolium* Hook. f., Rhod. Sik. Him. n. 3, t. 4. 1849, not Moench (1794). **Chimaal, Lal Chimal, Nyapu, Taaktibung, Kaalmaa, Kamu, Taangmaar, Lali Gurans.** Large shrub or small tree. Common above 3,000m. Vulnerable.
- 49.10.9 *R. camelliiflorum*** Hooker f. Rhododendron Sikkim Himalaya 3: , pl. 28 & 4932 1851. New record (Thapa 2016).
- 49.10.10 *R. campanulatum*** D. Don, Mem. Wern. Nat. Hist. S. 3: 410. 1821; Prodr. Fl. Nep. 153. 1825; 1821; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 466. 1882; Bhattacharyya 2011. *R. campanulatum* ssp. *campanulatum* (Batalin) H. Hara; *R. campanulatum* var. *campanulatum*; *R. campanulatum* var. *aeruginosum* (J. D. Hooker) Cowan & Davidian; *R. campanulatum* var. *wallichii* D. Don, B. Mag. 82: t. 4928. 1856. **Chimal, Nilo chimal, teotosa.** Shrub. Common at higher elevations. Vulnerable.
- 49.10.11 *R. campanulatum*** ssp. *aeruginosum* (J. D. Hooker) D.F. Chamberlain, Notes Roy. Bot. Gard. Edinburgh. 37: 329. 1979.
- 49.10.12 *R. campylocarpum*** Hook.f., Rhododendr. Sikkim-Himalaya. 3: t. 30. 1851. Shrub.
- 49.10.13 *R. ciliatum*** Hook. f., Rhod. Sik. Him. n. 26, t. 24. 1851. **Junge chimal.** Shrub.
- 49.10.14 *R. cinnabarinum*** Hook. f., Rhod. Sik. Him. n. 8, t. 8. 1849; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 474. 1882; Bhattacharyya 2011. *R. cinnabarinum* ssp. *cinnabarinum* (Batalin) H. Hara; ssp. *xanthocodon* (Hutch.) Cullen. **Balu, Sanu chimal, Kechung, Kema.** Shrub. Sparse. Near threatened.
- 49.10.15 *R. cinnabarinum*** var. *roylei* (Hook. f.) Hutch. Sp. Rhodod. 222. 1930. *R. roylei* Hook, f. Rhododendron Sikkim Himalaya 1: , pl. 7. 1849. Shrub.
- 49.10.16 *R. dalhousii*** Hook. f., Rhod. Sik. Him. n. 1, t. 1 & 2. 1849 [*“dalhousiae”*]; C.B. Clarke in J.D. Hooker, Fl. Brit India 3: 469. 1882. *R. dalhousieae* var. *dalhousieae*; *R. dalhousieae* var. *rhabdotum* (I. B. Balfour & R. E. Cooper) Cullen, Notes Roy. Bot. Gard. Edinburgh. 36: 107. 1978. **Laharey chimal.** Shrub. Endemic. Rare.
- 49.10.17 *R. decipiens*** Lacaíta, J. Linn. Soc., Bot. 43: 473. 1916 (Unresolved); De et al. 2010. **Jhukaune Korlinga.** Shrub or small tree. Very sparse. Endangered.
- 49.10.18 *R. edgeworthii*** Hook.f., Rhododendrons of Sikkim-Himalaya. 3: t. 21. 1849; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 469. 1882; Sinha 2013. **Edgeworth ko Chimal, Guras.** Shrub, often epiphytic. Endangered.
- 49.10.19 *R. falconeri*** Hook.f., Rhod. Sik. Him. n. 11, t. 10. 1849 (Unresolved); C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 465. 1882; De et al. 2010; Bhattacharyya 2011. **Pahelo Kurlinga, Kegu, Kalma.** Tree. Abundant.
- 49.10.20 *R. fulgens*** Hook.f., Rhod. Sik. Him. n. 27, t. 25. 1851; C.B. Clarke in J.D. Hooker, Fl. Brit. India, 3: 466. 1882; De et al. 2010; Bhattacharyya 2011. **Brilliant Rhododendron, Chireal, Chimal, Pahelo Korlingo.** Shrub. Critically Endangered.
- 49.10.21 *R. glaucophyllum*** Rehder, J. Arn. Arb. 26: 73. 1945 (Unresolved). *R. glaucum* Hook. f.; Rhod. Sik. Him. n. 18, t. 17. 1851. **Takma chimal.** Shrub.
- 49.10.22 *R. grande*** Wight, Calc. J. Nat. Hist. 8: 176. 1847; Ic. Pl. Ind. Or. 4: t. 1202. 1850; C. B. Clarke in

- Hook.f., Fl. Brit. India 3:464. 1882; De et al. 2010; Bhattacharyya 2011. **Kali Guras, Patle Korlinga, Putlinga, Etokamal.** Tree. Common.
- 49.10.23 *R. grande*** var *singalense* Rai et al 2014 var. nov (New record not in KEW list). Tree. Rare.
- 49.10.24 *R. griffithianum*** Wight, Ic. Pl. Ind. Or. 4: t. 1203. 1850; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 468. 1882. **Seto Chimal.** Shrub or small tree. Sparse. Near Threatened.
- 49.10.25 *R. hodgsonii*** Hook. f., Rhod. Sik. Him. 2: t. 15. 1851. ['hodgsoni']; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 464. 1882; Bhattacharyya 2011. **Gulabi Korlinga.** Shrub or small tree. Sparse. Near Threatened.
- 49.10.26 *R. lepidotum*** Wall. ex G. Don, Gen. Syst. 3: 845. 1834; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 471. 1882; Bhattacharyya 2011. *R. lepidotum* var. *elaegnoides* Wall. ex G. Don, G. Comp. 30, f. 1852; *R. lepidotum* var. *obovatum* Wall. ex G. Don, B. Mag. 105: t. 6450. 1879. **Slender-fruited Rhododendron, Jhinophale Gurans, Bhale Sunpati, Bolu mendo, Aakrulu Saluma; Bhale sunpatey; Tasluma, Tsuma, Tsaluma.** Small shrub. Common.
- 49.10.27 *R. leptocarpum*** Nuttall, Hooker's J. Bot. Kew Gard. Misc. 6: 256. 1854. **Slender-fruited Rhododendron; Jhinophale Gurans.** Epiphytic shrub. Rare. Critically endangered.
- 49.10.28 *R. lindleyi*** T. Moore, G. Chron. 1864: 364. 1864. *R. bhotanicum* C. B. Clarke, Fl. Br. Ind. 3: 475. 1882. **Sano lahare chimal.** Shrub, often epiphytic. Vulnerable.
- 49.10.29 *R. lowndesii*** Davidian, Not. B. G. Edinb. 21: 99. 1952 (Unresolved). Shrub.
- 49.10.30 *R. maddenii*** Hook. f. Rhododendr. Sikkim-Himalaya. 2: t. 18. 1851. *R. maddenii* ssp. *maddenii* (Batalin) H. Hara; *R. maddenii* var. *longiflorum* W. Watson; De et al. 2010. **Major Madden's Rhododendron, Major Madden ko Chimal.** Shrub. Critically endangered.
- 49.10.31 *R. nilagiricum*** Zenker, Ann. Sci. Nat., Bot. 2, 6: 150. 1836 (Unresolved). *R. arboreum* ssp. *nilagiricum* (Zenker) Tagg, J. B. Stevenson, Sp. Rhodod. 15. 1930. Tree.
- 49.10.32 *R. niveum*** Hook.f. Rhododendr. Sikkim-Himalaya t. 4.1849. De et al. 2010; Bhattacharyya 2011. **Snow-leaved Rhododendron, Hiun-pate Gurans.** Shrub or tree. Extremely rare. Critically endangered.
- 49.10.33 *R. pendulum*** Hook. f., Rhod. Sik. Him. n. 14, t. 13. 1851. De et al. 2010. **Pendulous Rhododendron, Jhundinai Chimal.** Epiphytic shrub. Vulnerable.
- 49.10.34 *R. pumilum*** Hook.f. Rhododendron Sikkim Himalaya 2, pl. 14 1851 (Pradhan et al. 2015). Dwarf shrub.
- 49.10.35 *R. setosum*** D. Don, Mem. Wern. Nat. Hist. Soc. 3: 408. 1821; De et al. 2010. **Bristly Rhododendron.** Shrub.
- 49.10.36 *R. sikkimense*** Pradhan & Lachungpa Sikkim-Himalayan Rhododendrons 74. 1990 (Unresolved); De et al. 2010. Shrub. Endangered.
- 49.10.37 *R. thomsonii*** Hook. f., Rhod. Sik. Him. n. 13, t. 12. 1851; Bhattacharyya 2011. **Dr. Thomsonko Gurans; Gurans.** Shrub. Common.
- 49.10.38 *R. triflorum*** Hook. f., Rhod. Sik. Him. n. 20, t. 19. 1851; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 474. 1882; De et al. 2010. *R. triflorum* ssp. *triflorum*. **Pahenle Chimal.** Shrub or rarely small tree. Vulnerable.
- 49.10.39 *R. vaccinioides*** Hook. f., Rhodendr. Sikkim Himalaya 3: 1851; C.B. Clarke in Hook.f., Fl. Brit. India. 3: 464. 1882. **Khiaune-pate Gurans.** Dwarf shrubs, sometimes epiphytic or lithophytic often pendulous. Sparse. Near threatened.
- 49.10.40 *R. virgatum*** Hook. f., Rhododendr. Sikkim-Himalaya. 3: t. 26(A). 1851. Small shrub.
- 49.10.41 *R. wallichii*** Hook.f., Rhododendr. Sikkim-Himalaya. 1: t. 5. 1849; C.B. Clarke in J.D. Hooker, Fl. Brit. India 3: 466. 1882. *R. campanulatum* D. Don var. *wallichii* (J. D. Hooker) Hooker. **Dr. Wight's Rhododendron, Wight ko Gurans; Dr. Wallich ko chimal.** Shrub. Critically Endangered.
- 49.10.42 *R. wightii*** Hook. f., Rhod. Sik. Him. n. 30, t. 27. 1851. **Wight's Rhododendron.** Shrub or small tree. Not common. Vulnerable.
- 49.11 *Vaccinium* L.**
- 49.11.1 *V. nummularia*** Hook. f. & Thomson ex C. B. Clarke in J. D. Hooker, Fl. Brit. India. 3: 451. 1882. Shrub.
- 49.11.2 *V. pedata*** (Not recorded in the Kew list). Shrub. Rare (Das et al. 2008).
- 49.11.3 *V. retusum*** (Griff.) Hook. f. ex C.B. Clarke in J. D. Hooker, Fl. Brit. India. 3: 451. 1882. *Thibaudia retusa* Griffith, Not. Pl. Asiat. 4: 300. 1854. Shrub. Endemic. Common.
- 49.11.4 *V. vacciniaceum*** (Roxb.) Sleumer, B. Jahrb. 71: 479 (1941). *V. vacciniaceum* forma *hispidum* H. Hara, Fl. E. Him. 242 (1966); 2: 999. 1971; *V. vacciniaceum* forma *vacciniaceum* (Roxb.) Sleumer, B. Jahrb. 71: 479. 1941; *V. vacciniaceum* ssp. *glabritubum* P. F. Stevens, J. Arnold Arbor. 66 (4): 487. 1985. **Charu.** Shrub. Common.
- 50. EUPHORBIACEAE** Juss., Gen. Pl.: 384. 4 Aug 1789, nom. cons. (the Spurge Family). Genus: 22; Species:45
- 50.1 *Alchornea* Sw.**
- 50.1.1 *A. tiliifolia*** (Benth) Müll.Arg. Linnaea 34: 168. 1865; Gamble 1878 (*tiliaefolia*). *Stipellaria tiliifolia* Benth. Hooker's J. Bot. Kew Gard. Misc. 6: 4. 1854. **Chhota Kagshi.** Shrub or small tree.
- 50.2 *Balakata* Esser**
- 50.2.1 *B. baccata*** (Roxburgh) Esser, Blumea. 44: 155. 1999. *Sapium baccatum* Roxburgh, Fl. Ind., ed. 1832, 3: 694. 1832; *Carumbium baccatum* (Roxburgh) Kurz; *Excoecaria baccata* (Roxburgh) Müller Argoviensis (Gamble's list). **Pudlikat, Lal Kainjal.** Tree. Common.
- 50.3 *Baliospermum* Blume**
- 50.3.1 *B. calycianum*** Müll.Arg., Flora. 47: 470. 1864. *B. calycinum* var. *corymbiferum* (J. D. Hooker) Chakrabarty & N. P. Balakrishnan; *B. calycinum* var. *densiflorum* (D. G. Long) Chakrabarty & N. P.

Balakrishnan; *B. calycinum* var. *effusum* (Pax & K. Hoffmann) Chakrabarty & N. P. Balakrishnan; *B. calycinum* var. *micranthum* (Müller Argoviensis) Chakrabarty & N. P. Balakrishnan. Shrub.

**50.3.2 *B. calycinum* Mull. Arg. var. *racemiferum*** Bhujel & Yonzon, J. Econ. Taxon. Bot. 18(3): 613.1995 (Not in KEW list). Shrub. Endemic (Mittra & Mukherjee 2014).

**50.3.3 *B. solanifolium* (Burm.) Suresh**, Interpret. Rheede's Hort. Malab. 106. 1988. *Croton polyandrum* Roxb. Fl. Ind. ed. 3: 682. 1832 (Gamble's list).

**Poguntig**. Shrub.

#### **50.4 *Cleidion* Blume**

**50.4.1 *C. javanicum* Blume**. Bijdr. 613. 1826; Gamble 1878; Hook.f., Fl. Brit. Ind. 5 (1885) 444; Brandis, Indian trees (1906) 592. **Palap-küing**. Shrub to tree.

#### **50.5 *Croton* L.**

**50.5.1 *C. caudatus* Geiseler**, *Croton*. Monogr. 73. 1807; Gamble 1878. **Akchabrig, Suipari lahara**. SC. Common.

**50.5.2 *C. persimilis* Müll.Arg.** Linnaea 34: 116. 1865 & DC., Prodr. 15: 618. 1866. *C. oblongifolius* Roxb. Fl. Ind. ed. 3: 685. 1832; Hook. f., Fl. Brit. India 5: 386. 1887 (Gamble's list). **Akh**. Small tree.

**50.5.3 *C. tigium* L.** Sp. Pl. 1004. 1753. Treelet. Common.

#### **50.6 *Drypetes* Vahl**

**50.6.1 *D. assamica* (Hook.f.) Pax & K. Hoffm.** Pflanzenr. 4, 147, 15: 241. 1922. *Cyclostemon assamicus* Hook.f. Fl. Brit. India 5: 342. 1887. **Bway Champ, Asura**. Tree. Endemic. Rare.

**50.6.2 *D. indica* (Müll.Arg.) Pax & K.Hoffm.** *Cyclostemon lancifolius* Hook.f. Fl. Brit. India 5: 340. 1887. Tree.

**50.6.3 *D. subsessilis* (Kurz) Pax & K.Hoffm.** Pflanzenr. 4, 147, 15: 248. 1922. *Cyclostemon subsessilis* Kurz. J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42(2): 240. 1873; Hook.f., Fl. Brit. Ind. 5: 342. 1887 (Gamble's list). Tree.

**50.7 *Endospermum* Benth. 1861, conserved name, not Endl. 1841 (Fabaceae)**

**50.7.1 *E. chinense* Benth.** Fl. Hongk. 304. 1861. **Seti Kath**. Tree. Less common.

#### **50.8 *Euphorbia* L.**

**50.8.1 *E. antiquorum* L.** Sp. Pl. 450. 1753. Tree.

**50.8.2 *E. helioscopia* L.** Sp. Pl. 1: 459. 1753; Boiss. in DC., Prodr. 15(2): 136. 1862; Hook. f., Fl. Brit. Ind., 5: 262. 1887. *Euphorbion helioscopium* (L.) St.-Lag.; *Galarhoeus helioscopius* (L.) Haw.; *Tithymalus helioscopius* (L.) Hill. AH.

**50.8.3 *E. hirta* L.**, Sp. Pl. 2: 454. 1753. *Chamaesyce hirta* (L.) Millspaugh; *E. pilulifera* Ssensu Boiss. in DC., Prodr. 15(2): 21. 1862; Hooker, f., FBI. 250. 1887 (non L. 1753). **Asthma plant, Cats hair, Hairy spurge; Ratulo, Kerui; Aankle jhar, Dudhe jhar, Tikapara, Dudhiya, Rani dubi, Sangadare**. AH. Abundant.

**50.8.4 *E. nerifolia* L.**, Sp. Pl. 1: 451. 1753; Boiss. in DC., Prodr. 15(2): 79. 1862; Gamble 1878; Hook. f., Fl. Brit. Ind. 5: 255. 1887. *E. ligularia* Roxb., Fl. Ind.

ed. 2, 2: 465. 1832. **Indian Spurge Tree, Oleander Spurge, Hedge Euphorbia, Dog's Tongue**. Shrub.

**50.8.5 *E. orbiculata* Kunth**, Nov. Gen. Sp. 2: 52. 1817. *E. microphylla* Heyne in Roth. Nov. Pl. Sp. 227. 1821. non Lamk. 1786; Hooker f., FBI. 5: 252. 1887. P.P.; *Anisophyllum orbiculatum* (Kunth) Klotzsch & Garcke; *Chamaesyce orbiculata* (Kunth) Soják. AH. Abundant.

**50.8.6 *E. pulcherrima* Willd.** ex Klotzsch in Otto & Dietr. Allgem., Gartenz. 2: 27. 1834. Boiss. in DC., Prodr. 15(2): 71. 1862; Gamble 1878. *Poinsettia pulcherrima* (Willd. ex Klotzsch) Graham, Edinb. New Philos. Journ. 20: 412. 1836. Dressler in Ann. Mo. Bot. Gard. 48(4): 335. 1962. **Poinsettia**. Shrub.

**50.8.7 *E. royleana* Boiss.** Prodr. 15(2): 83. 1862. **Danda Thor, Churee, Royle's Spurge**. Shrub.

**50.8.8 *E. sikkimensis* Boiss.** Prodr. 15(2): 113. 1862. *Tithymalus sikkimensis* (Boiss.) Hurus. & Yu.Tanaka. **Sikkim spurge; Dudhe**. PH.

**50.8.9 *E. stracheyi* Boiss.** Prodr. 15(2): 114. 1862. *Tithymalus stracheyi* (Boiss.) Hurus. & Yu.Tanaka. **Himalayan Prostrate Spurge; Sangmen**. PH.

**50.9 *Flueggea* Willd. 1806 not Rich. 1807 (Asparagaceae)**

**50.9.1 *F. leucopyrus* Willd.** Sp. Pl. 4: 757. 1806; Hook. f., Fl. Brit. Ind. 5: 328. 1887. *Acidoton leucopyrus* (Willd.) Kuntze; *Cicca leucopyrus* (Willd.) Kurz; *Phyllanthus leucopyrus* (Willd.) D.Koenig ex Roxb.; *Securinega leucopyrus* (Willd.) Müll.Arg. Prodr. 15(2): 451. 1866 (Gamble's list).

**Bushweed, Cool pot, Indian snow berry, Thermacole plant, White honey shrub, Achal**. Shrub.

**50.9.2 *F. virosa* (Roxb. ex Willd) Royle**, Ill. Bot. Himal. Mts. 328. 1836. *F. microcarpa* Blume; *Securinega obovata* (Willd.) Müll.Arg. Prodr. 15(2): 449. 1866; *Phyllanthus virosus* Roxburgh ex Willdenow, Sp. Pl. 4: 578. 1805; *Acidoton virosus* (Roxburgh ex Willdenow) Kuntze (Gamble's list). **Iktibi**. Shrub or small tree.

#### **50.10 *Homonoia* Lour.**

**50.10.1 *H. riparia* Loureiro**, Fl. Cochinch. 2: 637. 1790; Gamble 1878. **Khola Ruis, Mongthel-küing**. Small herb. Common.

#### **50.11 *Jatropha* L.**

**50.11.1 *J. curcas* L.**, Sp. Pl. 1006. 1753. Muell. Arg. in DC. Prodr. 15(2): 1080. 1866; Hook. f., Fl. Brit. Ind. 5: 383; 1887. *Manihot curcas* (L.) Crantz. **Physic nut; Bagverendi, Kadam, Sajiwan**. Shrub or small tree.

#### **50.12 *Lasiococca* Hook.f.**

**50.12.1 *L. symphyllifolia* (Kurz.) Hook.f.** Hooker's Icon. Pl. 16: 1587. 1887. *Homonoia symphyllifolia* Kurz. Flora 58: 32. 1875 (Gamble's list). **Jagrikat, Bajradanti, Ching-küing**. Annual shrub. Endemic. Rare.

#### **50.13 *Macaranga* Thouars 1806**

**50.13.1 *M. denticulata* (Blume) Müll.Arg.** Prodr. 15(2): 1000. 1866; Gamble 1878. *M. denticulata* (Blume) Müller; *Argoviensis* var. *pustulata* (King ex J. D. Hooker) Chakrabarty & M. Gangopadhyay; *M. gmelinifolia* King ex J. D. Hooker, Fl. Brit. India 5:

445. 1887; *M. gummiflora* (Miq.) Müll. Arg. Prodr. 15(2): 1000. 1866 (Gamble's list); *M. pustulata* King ex Hook. f., Fl. Br. Ind. 5: 445. 1887; *Mappa denticulata* Blume. **Blistry Macaranga; Jogi Mallata, Mallata, Numro-küing.** Tree. Less common.

**50.13.2 *M. gamblei*** Hook.f. Fl. Brit. India 5: 445 1887. Small tree. Endemic.

**50.13.3 *M. indica*** Wight, Icon. Pl. Ind. Orient. 5 : 23. 1883. Mull. Arg. in DC. Prodr. 15 (2) : 1009. 1866. Gamble 1878; Hook f. Fl. Brit. India 5: 446. 1887.

**Dagdaktiy; Lal Mallata.** Tree. Common.

#### **50.14 *Mallotus* Lour**

**50.14.1 *M. nepalensis*** Mull. Arg., Linnaea 34: 188. 1865. **Ghoge tank.** Shrub or small tree. Abundant.

**50.14.2 *M. nudiflorus*** (L.) Kulju & Welzen, Blumea 52: 124. 2007. *Trewia nudiflora* L., Sp. Pl. 1193. 1753. Müell. Arg. In DC., Prodr. 15(2): 953. 1866; Hook. f., Fl. Brit. Ind. 5: 423. 1887. **Garum, Gamari, Gurel, Pitali, Ramritta, Tung-flam-küing.** Tree. Common.

**50.14.3 *M. oreophilus*** Müll.Arg. Linnaea 34: 188. 1865; Gamble 1878. **Numboongkor.** Shrub or small tree.

**50.14.4 *M. paniculatus*** (Lam.) Müll.Arg., Linnaea 34. 1865. *Croton paniculatus* Lamarck, Encycl. 2: 207. 1786; *Mallotus albus* (Roxb. ex Jack) Müll.Arg. Linnaea 34: 188. 1865 (Gamble's list). **Jogi Mallata; Numbong-küing.** Shrub or small tree.

**50.14.5 *M. peltatus*** (Geiseler) Müll.Arg. Linnaea 34: 187. 1865. *M. helferi* (Geiseler) Müll.Arg. Linnaea 34: 190. 1865 (Gamble's list); *Aleurites peltata* Geiseler. Croton. Monogr. 81. 1807. **Malata.** Tree. Common.

**50.14.6 *M. philippensis*** (Lamarck) Müller Argoviensis, Linnaea. 34: 196. 1865; Gamble 1878. *M. philippensis* var. *philippensis*; *Croton philippensis* Lamarck, Encycl. 2: 206. 1786. **Kamala tree; Rohini, Sindure, Sindooria; Puroa-küing, Sano Panheli.** Tree. Common.

**50.14.7 *M. roxburghianus*** Müll.Arg. Linnaea 34: 186. 1865; Gamble 1878. **Kamli Mallata; Phusri Mallata.** Shrub. Common.

#### **50.15 *Micrococca* Benth.**

**50.15.1 *M. mercurialis*** (L.) Benth. Niger Fl. 503. 1849. *Claoxylon mercurialis* Thw., Enum. Pl. Zeyl. 271. 1861; Hook. f., Fl. Brit. India 5: 412. 1887; *Tragia mercurialis* L., Sp. Pl. 980. 1753. AH.

#### **50.16 *Ostodes* Blume**

**50.16.1 *O. paniculata*** Blume, Bijdr. 620. 1826; Gamble 1878. *O. kerrii* Craib; *O. thyrsoantha* Pax. **Bepari, Mya, Palok-küing.** Tree. Common.

#### **50.17 *Putranjiva* Wall.**

**50.17.1 *P. roxburghii*** Wall., Royle, III. Bot. Himal Mts. 347, t. 83 (4836), Hook. f. Fl. Brit. India 5 : 336 (1887), Brandis, Ind. Trees. 568 (1906). *Drypetes roxburghii* (Wall.) Hurusawa, J. Fac. Sci. Univ. Tokyo, Sect. 3. Bot. 6: 337. 1954. **Official Drypetes; Putranjiva, Pitamaari.** Tree.

#### **50.18 *Ricinus* L.**

**50.18.1 *R. communis*** L., Sp. Pl. 2: 1007. 1753; Gamble 1878. **Castor Bean, Castor oil plant,**

**Wonder tree; Orer, Rajlok-küing, Redi or Rerri; Ander, Andi, Yanyan, Iradam, Dhandarobi.** Shrub or small tree. Common.

#### **50.19 *Sapium* Jacq.**

**50.19.1 *S. sebiferum*** (L.) Roxb. Hort. Bengal. 69 1814. **Chinese Tallow tree.**

#### **50.20 *Tragia* Plum. ex L.**

**50.20.1 *T. involucrata*** L., Sp. Pl. 980. 1753; Hook. f., Fl. Brit. India 5: 465. 1888, p.p. **Climbing Nettle, Indian stinging nettle, Ut Kateri.** PH. Rare.

#### **50.21 *Triadica* Lour.**

**50.21.1 *T. cochinchinensis*** Lour. Fl. Cochinch. 2: 610. 1790. *Sapium cochinchinense* (Loureiro) Pax & K. Hoffmann (1912), not (Loureiro) Kuntze (1898); *S. eugenifolium* Buch.-Ham. ex Hook.f. Fl. Brit. India 5: 470. 1888; *Shirakia cochinchinensis* (Loureiro) Hurusawa. **Phirphire, Pipalpat.** Tree. Less common.

#### **50.22 *Vernicia* Lour.**

**50.22.1 *V. fordii*** (Hemsl.) Airy Shaw Kew Bull. 20: 394. 1966. *Aleurites fordii* Hemsl. Hooker's Icon. Pl. 29: t. 2801. 1906. **Tung.** Tree.

**51. FABACEAE** Lindl., Edwards's Bot. Reg. 22: ad t. 1845. 1 Apr 1836, nom. cons., nom. alt.; Paul 2012a = LEGUMINOSAE (the Pea, Bean or Legume Family) in KEW list. Genus: 61; Species:144

#### **51.1 *Abrus* Adans.**

**51.1.1 *A. fruticosus*** Wall. ex Wight & Arn., Prodr. fl. Ind. orient. 236. 1834. AC. Rare.

**51.1.2 *A. precatorius*** L., Syst. Nat., ed. 12. 2: 472. 1767; Gamble 1878. *Glycine abrus* L., Sp. Pl. 2: 753. 1753. **Indian liquorice, Crab's eye, Coral bead vine, Rosary pea; Maspati-lara, Rati gedi, Lal gedi.** PC. Least concern.

**51.1.3 *A. pulchellus*** Wall. ex Thwaites, Enum. Pl. Zeylan. 91 1859. **Pretty abrus liana, Showy rosary pea; Lalgeri, Gunjja, Gunjja bheda.** SC. Less common.

#### **51.2 *Acacia* Martius (1829)**

**51.2.1 *A. auriculiformis*** A. Cunn. ex Bentham, London J. Bot. 1: 377. 1842. *Racosperma auriculiforme* (A. Cunningham ex Bentham) Pedley. **Australian wattle or babul; Akashmoni, Sonajhuri.** Tree.

**51.2.2 *A. catechu*** (L.f.) Willd., Sp. Pl. 4: 1079. 1806. *Mimosa catechu* L. f., Suppl. Pl. 439. 1782; *A. catechu* var. *wallichiana* (Candolle) P. C. Huang. **Black catechu, Catechu Tree, Cutch tree; Khayer, Khair, Khaira, Khayar, Khadira, Toeja.** Tree. Sparse.

**51.2.3 *A. gageana*** Craib in Kew Bull. 1915: 409. 1915. Tree. Less common.

**51.2.4 *A. intsia*** (L.) Willd., Sp. Pl. 4: 1091. 1806; Fl. Brit. India 2: 297. 1878. *A. intsia* var. *caesia* (L.) Baker, Fl. Br. Ind. 2: 297. 1878; *Mimosa caesia* L., Sp. Pl. 522. 1753, p.p. Roxb., Fl. Ind. ed. 2, 2: 565. 1832. **Black catechu; Arkhu; Kondru.** SC. Common.

**51.2.5 *A. pennata*** (L.) Willd., Sp. Pl. 4: 1090. 1806. *Mimosa pennata* L., Sp. Pl. 1: 522. 1753. **Climbing Acacia, Climbing wattle, Feather acacia, Narrow-**

**leaved soap pod; Arare, Arari lahara, Ararikanda, Arkhu.** Tree. Abundant.

**51.2.6 A. sinuta** (Lour.) Merr., Trans. Amer. Philos. Soc. n.s. 24: 186. 1935. *A. concinna* (Willd.) DC., Prodr. 2: 464. 1825; Hook. f., Fl. Brit. India 2: 296. 1878; *A. concinna* (Willd.) DC. var. *rugata* (Benth.) Baker in Hook. f., Fl. Brit. India 2: 297. 1878; *Mimosa sinuata* Lour., Fl. Cochinch. 653. 1790. **Soap Pod, Sikakae; Araare, Rangaso, Aila.** Herb. Common.

**51.2.7 A. torta** (Roxb.) Craib in Kew Bull. 1915: 410. 1915. *Mimosa torta* Roxb., Fl. Ind. 2: 566. 1832. **Twisted acacia.** SC. Common.

**51.3 Acrocarpus Wight ex Arn.**

**51.3.1 A. fraxinifolius** Arnott, Mag. Zool. Bot. 2: 547. 1838. **Mandane.** Tree. Less common.

**51.4 Adenantha L.**

**51.4.1 A. pavonina** L., Sp. Pl. 1: 384. 1753; Baker in Hook.f., Fl. Brit. Ind. 2:287.1878. **Coral Wood, False Red Sandalwood, Red bead tree; Rakta kachan.** Tree.

**51.5 Aganope Miq.**

**51.5.1 A. polystachya** (Benth.) Thoth. & D.N. Das, Rheede 2: 62-63. 1992. *Deguelia polystachya* (Benth.) Taub.; *Derris polystachya* Benth.; *Pterocarpus polystachyus* (Benth.) Kuntze. **Munkeop-rik.** Large climber.

**51.6 Albizia Durazz. 1772**

**51.6.1 A. chinensis** (Osbeck) Merr., Am. J. B. 3: 575. 1916. *Mimosa chinensis* Osbeck, Dagb. Ostind. Resa, 233. 1757. **Chinese albizia, Chinese silk tree; Rato siris, Kalo siris, Siran.** Tree. Common.

**51.6.2 A. lebbeck** (L.) Benth., in Hook., Lond. J. B. 3: 87. 1844. *Mimosa lebbeck* L., Sp. Pl. 1: 516. 1753; *Acacia lebbeck* (L.) Willd. **East Indian walnut, Flea tree; Kalo Siris.** Tree. Common.

**51.6.3 A. lucidior** (Steudel) I. C. Nielsen ex H. Hara, Enum. Fl. Pl. Nepal. 2: 104. 1979. *Inga lucidior* Steudel, Nomencl. Bot., ed. 2, 1: 810. 1840; *A. lucida* (Roxb.) Benth. in Hook. Lond. J. Bot. 3:86. 1844; Baker in Hook. f., Fl. Brit. Ind. 2: 299. 1878; *Mimosa lucida*, Fl. Ind. 2: 544. 1832, not Vahl (1807), *A. gamblei* Prain. **Potka siris; Rato siris.** Tree. Less common.

**51.6.4 A. odoratissima** (L.f.) Bentham, London J. Bot. 3: 88. 1844. *Acacia odoratissima*; *Mimosa odoratissima* L. f., Suppl. Pl. 437. 1782. **Black siris, fragrant arbizia; Kalo siris, Karkur siris.** Tree.

**51.6.5 A. procera** (Roxb.) Benth, Hooker's London Journal of Botany 3. 1844. *Acacia procera* (Roxb.) Willd.; *Feuillea procera* (Roxb.) Kuntze; *Mimosa procera* Roxb. **False lebbeck, Forest siris, Rain siris, Silver bark rain tree, Tall albizia, White siris; Seto Siris.** Tree. Less common.

**51.7 Amphicarpea Elliott ex Nutt.**

**51.7.1 A. ferruginea** Benth., in Miq., Pl. Jungh. 231. 1852. *A. edgeworthii* Bentham var. *rufescens* Franchet; *A. ferruginea* f. *pauciflora* Pampanini. PH.

**51.8 Archidendron F.Muell.**

**51.8.1 A. clypearia** (Jack) I.C. Nielsen., Adansonia, n.s. 19: 15. 1979. *Inga clypearia* Jack, Malay. Misc. 2(7): 78. 1822; *Abarema clypearia* (Jack)

Kostermans; *Pithecellobium angulatum* Benth., in Hook., J. B. 3: 208. 1844; *P. clypearia* (Jack) Bentham; *P. clypearia* var. *acuminatum* Gagnepain. **Greater Grasshopper Tree.** Tree.

**51.9 Astragalus L.**

**51.9.1 A. rhizanthus** Royle ex Benth. in Royle, Illustr. Bot.Himal. Mount. 200. 1835. Baker in Hook.f, Fl.Brit.Ind.2:132.1876. PH.

**51.10 Bauhinia L.**

**51.10.1 B. acuminata** L., Sp. Pl. 1: 376. 1753. **Dwarf white Bauhinia/orchid tree, White mountain ebony, Snowy orchid tree.** Large shrub or small tree.

**51.10.2 B. purpurea** L., Sp. Pl. 1: 375. 1753. *Phanera purpurea* (L.) Benth. 1852. **Pink butterfly tree, Purple Bauhinia, orchid tree, camel's foot tree, geranium tree; Rakta Kanchan; Koiralo; Koilara, Tanki, Chee-kung, Pegpeyposhing, Zibzibshing.** Tree. Sparse.

**51.10.3 B. scandens** L., Sp. Pl. 1: 374. 1753. *B. anguina* Roxb., Pl. Coromandel 3: 82, t. 285. 1820; *B. scandens* var. *horsfieldii* (Watt ex Prain) K. Larsen & S. S. Larsen; *Lasiobema scandens* (L.) de Wit; *L. scandens* var. *horsfieldii* (Watt ex Prain) de Wit. **Snake climber, Monkey ladders.** Liana. Rare.

**51.10.4 B. vahlii** Wight & Arnott, Prodr. Fl. Pen. Ind. Or. 297. 1834. Baker in Hook. f., Fl. Brit. Ind. 2: 279. 1876. **Maloo Creeper, Chamul, Camel's Foot Climber, Mehroin, Bauhinia Climber; Bharla, Pegrong-rik, Makar-rik, Malu, Verla.** SC. Rare.

**51.10.5 B. variegata** L., Sp. Pl. 1: 375. 1753; Baker in Hook. f., Fl. Brit. Ind. 2: 284. 1878. *B. variegata* var. *candida* (Aiton) Voigt, Hort. Suburb. Calcutt. 253. 1845; *B. variegata* var. *alboflava* de Wit. **White orchid tree, Varigated bauhinia, poor-man's orchid, white mountain-ebony, Buddhist bauhinia; Kachnar, Koiralo, Kunabhun, Kancanara, Kovindara, Rhar-kung, Ruchashing, Takki.** Tree. Sparse.

**51.10.6 B. wallichii** J. F. Macbride, Contr. Gray Herb., n.s. 3(59): 23. 1919. Climber. Rare. Endangered.

**51.10.7 Butea monosperma** (Lam.) Taub. in Engl. & Prantl, Naturl. Pflanzenfam. 3(3): 366. 1894. Kuntze, Rev. Gen. Pl. 1: 202. 1891. *Erythrina monosperma* Lamarck, Encycl. 2: 391. 1786; *Butea frondosa* Koen. ex Roxb., As. Research. 3: 469. 1792 (Gamble's list). **Flame of forests; Bastard Teak; Laho-kung, Palans, Plydhup; Palasi, Palass; Terti; Marup; Dhak.** Tree.

**51.11 Caesalpinia (L. 1753) E. Gagnon & G. P. Lewis 2016**

**51.11.1 C. bonduc** (L.) Roxburgh, Fl. Ind. ed 2, 2: 362: 1832. *C. bonducella* (L.) Fleming; *Guilandina bonduc* L., Sp. Pl. 1: 381. 1753; *G. bonducella* L.. **Bhaise kanda.** Climber. Common.

**51.11.2 C. cucullata** Roxb., Hort. Beng. 32. 1814. *Mezoneurum cucullatum* (Roxburgh) Wight & Arnott. **Sungray, Boksi Kara.** Climber. Less common.

**51.11.3 C. pulcherrima** (L.) Sw., Obs. B. Ind. Occ. 166. 1791; Willd., Sp. Pl. 2: 531. 1799; Prain, Beng. Pl. 1: 449. 1903; Brandis, Ind. Trees: 247. 1906. *Poinciana pulcherrima* L., Sp. Pl. 1: 380. 1753.

**Poinciana, Peacock Flower, Red Bird of Paradise, Dwarf Poinciana, Pride of Barbados; Krisnachura, Palash, Radha-Chura.** Shrub to small tree.

#### 51.12 *Cajanus* DC. 1813

**51.12.1** *C. scarabaeoides* (L.) du Petit-Thouars ex R. Garh. in Dictionnaire des Sci. Nat. 6. 1817. *Dolichos scarabaeoides* L., Sp. Pl. 2: 720. 1753; *Atylosia scarabaeoides* (L.) Benth.; *A. scarabaeoides* var. *argyrophyllus* Y. T. Wei & S. K. Lee; *Cajanus scarabaeoides* var. *argyrophyllus* (Y. T. Wei & S. K. Lee) Y. T. Wei & S. K. Lee; *Cantharospermum scarabaeoides* (L.) Baillon; *Rhynchosia scarabaeoides* (L.) Candolle; *Stizolobium scarabaeoides* (L.) Sprengel. PC.

#### 51.13 *Callerya* Endl.

**51.13.1** *C. cinerea* (Benth.) Schot, Blumea 39(1–2): 17 (1994). *Millettia cinerea* Benth. in Miq., Pl. Jungh. 249. 1852; Baker in Hook. f. FBI 2: 106. 1876. **Maukap-rik.** Shrub.

#### 51.14 *Canavalia* Adans.

**51.14.1** *C. cathartica* Thoar., J. Bot. Agric. 1: 81. 1813. **Jack beans.** Herb.

#### 51.15 *Cassia* L.

**51.15.1** *C. fistula* L., Sp. Pl. 1: 377. 1753. **Amaltas, Dongkashing, Rajbrikkhya, Sonalu.** Small tree. Planted.

**51.15.2** *C. javanica* L., Sp. Pl. 1: 379. 1753. *C. javanica* ssp. *nodosa* (Buchanan-Hamilton ex Roxburgh) K. Larsen & S.S. Larsen, Nat. Hist. Bull. Siam Soc. 25(3-4): 205. 1975; *C. nodosa* Buchanan-Hamilton ex Roxburgh, Fl. Ind. 2: 336. 1824. **Java cassia, Apple blossom cassia, Nodding cassia, Pink cassia, Pink shower; Nguthein.** Tree.

#### 51.16 *Clitoria* L.

**51.16.1** *C. ternatea* L., Sp. Pl. 753. 1753. **Butterfly bean.** Woody climber. Common.

#### 51.17 *Codariocalyx* Hassk.

**51.17.1** *C. gyroides* (Roxb. ex Link) Hassk., Fl. 25, Beibl.: 49. 1842, p. min. p. Banerji in Rec B. Surv. Ind. 19(2): 36. 1966. *Desmodium gyroides* (Roxb. ex Link) DC., Prodr. 2: 326. 1825; *Hedysarum gyroides* Roxb. Hort. Beng. 57. 1814. nom. nud. ex Link. Enum. alt. 2:247. 1822; *Meibomia gyroides* (Roxb. ex Link) Kuntze. **False tick trefoil.** Shrub.

**51.17.2** *C. motorius* (Houtt.) H. Ohashi, J. Jap. B. 40: 367. 1965; in Fl. E. Him. 145. 1966; 2: 63. 1971; in Ginkgoana 1: 46, t. 1b. 1973. *C. motorius* var. *roylei* (Wight & Arn.) H. Ohashi, J. Jap. B. 40: 368. 1965; Fl. E. Him. 145. 1966; 2: 63. 1971; *Desmodium gyrans* (L. f.) DC. (Gamble's list); Prodr. 2: 326. 1825; *D. gyrans* var. *roylei* (Wight & Arn.) Baker, Fl. Br. Ind. 2: 175. 1876; *D. motorium* (Houtt.) Merr., J. Arn. Arb. 19: 345. 1938; *Hedysarum gyrans* L. f., Suppl. Pl. 332. 1781. **Telegraph-plant; Gorachand, Bolu.** Shrub.

#### 51.18 *Crotalaria* L.

**51.18.1** *C. acicularis* Buch.-Ham. ex Benth., in Hook., Lond. J. B. 2: 476. 1843. AH.

**51.18.2** *C. alata* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 241. 1825. DC., Prodr. 2: 124 (Nov. 1825); Baker in Fl. Br. Ind. 2: 69. 1876; Burkill in Rec. B.

Surv. Ind. 4: 104. 1910; Kaur in Bull. B. G. Lucknow 122: t. 17-18 (19). **Singesinge.** Herb or shrublet.

**51.18.3** *C. albida* Heyne ex Roth, Nov. Pl. Ind. Or. 333. 1821. *C. albida* var. *albida*. **Bhedi phool, Dim.** PH. Common.

**51.18.4** *C. cytisoides* Roxb. ex DC., Prodr. 2: 131. 1825. *Priotropis cytisoides* (Roxb. ex DC.) Wight & Arn., Prodr. Fl. Ind. Or. 180. 1834; Baker in Hook. F. 1876. **Bakhre ghans, Takpyitmuk.** Shrub.

**51.18.5** *C. ferruginea* Graham ex Benth., in Hook., Lond. J. B. 2: 476. 1843. *C. ferruginea* var. *pilosissima* Benth. ex Baker. **Jungraban.** AH. Common.

**51.18.6** *C. micans* Link, Enum. Hort. Berol. Alt. 2: 228. 1822. **Caracas rattlebox.** Shrub.

**51.18.7** *C. pallida* Aiton, Hort. Kew. 3: 20. 1789. *C. pallida* var. *obovata* (G. Don) Polhill. **Chhinchhine baja, Jhunjhuni.** US. Common.

**51.18.8** *C. sessiliflora* L., Sp. Pl. ed. 2, 1004. 1763. **Chhinchhine baja.** AH.

#### 51.19 *Dalbergia* L.f.

**51.19.1** *D. latifolia* Roxb., Corom. Pl. 2: 7, t. 113. 1799; Hook. f., Fl. Brit. India 2: 231. 1876. *Amerimnon latifolium* (Roxb.) Kuntze. **Rosewood, Blackwood; Satisal.** Tree.

**51.19.2** *D. pinnata* (Lour.) Prain in Ann. Bot. Gard. Calc. 10(1): 48. 1904. *Derris pinnata* Loureiro, Fl. Cochinch. 2: 432. 1790. Tree. Less common.

**51.19.3** *D. rimosa* Roxb. in Fl. Ind. ed. 2(3): 233. 1832. Liana. Less common.

**51.19.4** *D. sericea* G. Don, Syst. 2: 375. 1832; Brandis, Indian Trees 237. 1907; Baker in Hooker, Fl. Brit. India 2: 236, 238. 1876; *D. stenocarpa* Kurz in J. Asiat. Soc. Bengal 44: 205. 1875; Baker in Hooker, Fl. Brit. India 2: 238. 1876; Gamble, Darjeeling List 29. 1878. **Pchang, Bandre siris.** Tree.

**51.19.5** *D. sissoo* Roxb. ex DC., Prodr. 2: 416. 1825. **Sissoo; Sisau, Jesengshing.** Tree. Abundant.

**51.19.6** *D. stipulacea* Roxb., Fl. Ind., ed. 1832. 3: 233. 1832. **Siris lahara.** SC. Less common.

**51.19.7** *D. volubilis* Roxb., Pl. Corom. 2: 43, t. 191. 1798. Woody climber. Less common.

#### 51.20 *Debregeasia* Gaudich.

**51.20.1** *D. longifolia* (Burm.f.) Wedd. in Candolle, Prodr. 16(1): 235. 1869. *D. velutina* Gaudich (Gamble's list); *Urtica longifolia* N. L. Burman, Fl. Indica, 197 ["297"]. 1768. Tree. Common.

**51.20.2** *D. wallichina* (Wedd.) Wedd. Arch. Mus. Hist. Nat. 9: 464. 1857. **Poorooni, Senén-Kúng.** Big climber.

#### 51.21 *Delonix* Raf.

**51.21.1** *D. regia* (Bojer ex Hook.) Raf., Fl. Tellur. 2: 92. 1837. *Poinciana regia* Bojer, Bot. Mag. 56: t. 2884. 1829. **Flame tree, Royal Poinciana; Gulmohar; Krishnachura.** Tree.

#### 51.22 *Dendrolobium* (Wight & Arn.) Benth.

**51.22.1** *D. triangulare* (Retz.) Schindl., Repert. Spec. Nov. Regni Veg. 20: 279. 1924. *Desmodium cephalotes* Wall. Numer. List n. 5721. 1831 (Gamble's list); *D. triangulare* (Retzius) Merrill; *Hedysarum triangulare* Retzius, Observ. Bot. 3: 40. 1783. **Bodle-kurú; Maniphytol.** Shrub.



**51.23 *Derris* Lour.**

**51.23.1 *D. cuneifolia*** Benth. in Miq., Pl. Jungh. 253. 1852; Baker in Hook. f., Fl. Brit. India 2: 243. 1878 = *Paraderris cuneifolia* (Benth.) R. Geesink. **Bairari.** SC. Less common.

**51.23.2 *D. ferruginea*** (Roxb.) Benth. in Miquel, Pl. Jungh 1: 252. 1852. *Robinia ferruginea* Roxb., Fl. Ind., ed. 1832, 3: 329. 1832, not Kunth (1823). Liana. Less common.

**51.23.3 *D. microptera*** Benth J. Proc. Linn. Soc., Bot. 4(Suppl.): 113. 1860. Tree.

**51.23.4 *D. monticola*** (Kurz) Prain, J. Asiat. Soc. Beng. 66: 361. 1897. *Milletia monticola* Kurz. J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42(2): 67. 1873; Baker in Hook. f., Fl. Brit. Ind. 2: 106. 1876 (Gamble's list 1878). Liana.

**51.24 *Desmodium* Desv.**

**51.24.1 *D. confertum*** DC., Ann. Sci. Nat. 4: 101 (Jan. 1825); Baker in Fl. Br. Ind. 2: 167. 1876; Gamble 1878. *Meibomia conferta* (DC.) Kuntze. Revis. gen. pl. 1: 197. 1891. **Chiptikuru.** Shrub.

**51.24.2 *D. elegans*** DC., Ann. Sci. Nat. 4: 100 (Jan. 1825). H. Ohashi in Fl. E. Him. 2: 64 & 278, t. 35. 1971; in Ginkgoana 1: 110. 1973; in Fl. E. Him. 3: 62. 1975; *D. elegans* var. *elegans*; ssp. *elegans*; *D. elegans* f. *albiflorum* (P. C. Li) H. Ohashi; *D. elegans* var. *albiflorum* P. C. Li; *D. elegans* var. *argenteum* (Wall. ex Benth.) H. Ohashi, Fl. E. Him. 3: 62. 1975. **Raato Baakhre.** Tree.

**51.24.3 *D. gangeticum*** (L.) DC., Prodr. 2: 327. 1825. *Hedysarum gangeticum* L., Sp. Pl. 2: 746. 1753. **Bhattamase jhar.** Shrub.

**51.24.4 *D. heterocarpon*** (L.) DC., Prodr. 2: 337. 1825., '*heterocarpum*'. *D. polycarpum* (Poir.) DC., Prodr. 2: 334. 1825, p.p. (Gamble's list); *D. heterocarpon* var. *heterocarpon*; *D. heterocarpon* var. *buengeri* (Miquel); *Hedysarum heterocarpon* L., Sp. Pl. 2: 747. 1753. **Bolú, Daampaate, Tirhyukmyok.** Shrub. Common.

**51.24.5 *D. laxiflorum*** DC., ; Ann. Sci. Nat. 4: 100. 1825. Baker in Fl. Br. Ind. 2: 164. 1876; H. Ohashi in Fl. E. Him. 151. 1966; in Ginkgoana 1: 101, t. 12. 1973; C.R. Rao in Ind. For. 93: 46. 1967; H. Ohashi in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 118. 1979. **Kuro jahar.** Shrub.

**51.24.6 *D. multiflorum*** DC., Ann. Sci. Nat. 4: 101. 1825; Wall., Cat. 196, n. 5705A, B, C, p.p. 1831-1832. H. Ohashi in Fl. E. Him. 2: 65 & 272. 1971; in Ginkgoana 1: 110. 1973; H. Ohashi in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 118. 1979. *D. floribundum* (D. Don) Sweet ex G. Don (Gamble's list). **Bhatmase phool.** Shrub.

**51.24.7 *D. oojinense*** (Roxb.) H. Ohashi, Ginkgoana 1: 117, t. 14b. 1973. **Sandan pipli.** Tree.

**51.24.8 *D. sequax*** Wall., ; Pl. As. Rar. 2: 46, t. 157. 1831. *D. sequax* var. *sinuatum* (Miquel) Hosokawa. Shrub.

**51.24.9 *D. triflorum*** (Linn.) DC. Prodr. 2: 334. 1825. *D. triflorum* var. *adpressum* Ohwi. *Hedysarum triflorum* L., Sp. Pl. 2: 749. 1753; **Chariamiliki mausi, Sanocharmeli.** PH. Abundant.

**51.24.10 *D. velutinum*** (Willd.) DC., Prodr. 2: 328. 1825. *D. latifolium* (Roxb. ex Ker Gawl.) DC., Prodr. 2: 328. 1825; Gamble 1878; *D. laciocarpum*; *Hedysarum velutinum* Willd.; *Meibomia velutina* (Willd.) Kuntze. **Chepekúru. Myanmar, Siam.** PS.

**51.25 *Dumasia* DC.**

**51.25.1 *D. villosa*** DC., Ann. Sci. Nat. 4: 97 & Prodr. 2: 241 (1825); Mem. Legum. 257, t. 44 (1826). *D. bicolor* Hayata; *D. glaucescens* Miquel; *D. leiocarpa* Benth; *D. pubescens* Candolle; *D. villosa* var. *arunachalensis* Predeep & M. P. Nayar; *D. villosa* ssp. *bicolor* (Hayata) Hayata; *D. villosa* var. *leiocarpa* (Benth) Baker; *Apios martini* H. Léveillé; *Erythrina mairei* H. Léveillé. PH. Common.

**51.26 *Dunbaria* Wight & Arn.**

**51.26.1 *D. circinalis*** (Benth.) Baker in J. D. Hooker, Fl. Brit. India. 2: 219. 1876. *Atylosia circinalis* Benth in Miquel, Pl. Jungh. 244. 1852. Woody vine.

**51.26.2 *D. punctata*** (Wight & Arn.) Benth., F. A. W. Miquel, Pl. jungh. 242. 1852. *Atylosia punctata* (Wight & Arn.) Benth.; *Dolichos punctatus* Wight & Arn., Prodr. Fl. Pen. Ind. Or. 1: 247. 1834. PC.

**51.27 *Dysolobium* (Benth.) Prain**

**51.27.1 *D. grande*** (Benth.) Prain in J. Asiat. Soc. Beng. 66: 427. 1897. *Phaseolus grandis* Wallich ex Benth in Miquel, Pl. Jungh. 239. 1852; *Canavalia grandis* (Wallich ex Benth) Kurz. Woody vine. Less common.

**51.27.2 *D. pilosum*** (Willd.) Maréchal. Bull. Jard. Bot. Natl. Belg. 47(3-4): 483. 1977. *Vigna pilosa* (Willd.) Baker in Hook. f. Fl. Brit. India 2: 207. 1876; Sanjappa, Legumes Ind. 275. 1992; *Dolichos pilosus* Klein ex Willd 1777; *D. pilosus* Roxb., Fl. Ind. 3: 312. 1832. AH. Less common.

**51.28 *Entada* Adans.**

**51.28.1 *E. phaseoloides*** (L.) Merr., Philip. J. Sci. 9: 86. 1914. *E. scandens* (L.) Benth., in Hook., J. B. 4: 332. 1842; *Lens phaseoloides* L.; *Mimosa scandens* L., Sp. Pl. ed. 2, 1501. 1763. **Pangra.** SC. Rare.

**51.28.2 *E. rheedii*** Spreng., Syst. Veg. 2: 325. 1825. *Mimosa entada* L., Sp. Pl. 1: 518. 1753. Climber. Less common.

**51.29 *Erythrina* L.**

**51.29.1 *E. arborescens*** Roxb., Pl. Corom. 3: 14, t. 219. 1811.; Fl. Ind. ed. 2, 3: 256. 1832; Gamble 1878. *Corallodendron arborescens* (Roxburgh) Kuntze. **Himalayan coral tree; Theki kath, Rodinga, Fullidha, Gyesa-kúng, Dingsong, Phaledo, Chasse.** Tree. Common.

**51.29.2 *E. stricta*** Roxb., Fl. Ind. ed. 2, 3: 251. 1832; Gamble 1878. *E. stricta* var. *stricta*; *Micropteryx stricta* (Roxb.) Duchassaing & Walpers. **Coral tree; Fallidha; Katiang-kúng, Phalaydo.** Tree. Common.

**51.29.3 *E. variegata*** L. Diss. Herb. Amb. Amoen. Acad. 4: 122. 1754; Amoen. Acad. 4: 122. 1759. **Indian coral tree; Mandar.** Tree.

**51.30 *Flemingia* Roxb. ex W. T. Aiton, 1812**

**51.30.1 *F. macrophylla*** (Willd.) Merr. Philip. J. Sci. 5: 130. 1910. *Crotalaria macrophylla* Willdenow, Sp. Pl. 3: 982. 1802; *Maughania macrophylla* (Willd.)

- Kuntze, Rev. Gen. Pl. 1: 199. 1891. **Bhatwasee, Bhattamasi/Tinpate ghans.** Shrub.
- 51.30.2** *F. stricta* Roxb. ex W. T. Aiton, Hort. Kew., ed. 2. 4: 349. 1812; Gamble 1878. *Moghania stricta* (Roxb.) Kuntze. **Batwasi.** Shrub.
- 51.30.3** *F. strobilifera* (L.) R. Brown in W. T. Aiton, Hort. Kew., ed. 2. 4: 349. 1812; Gamble 1878. *Hedysarum strobiliferum* L., Sp. Pl. 2: 1053. 1753; *F. strobilifera* var. *bracteata* (Roxb.) Baker; *F. strobilifera* var. *fruticulosa* (Wallich ex Benth) Baker; *Maughania strobilifera* (L.) J. Saint-Hilaire ex Kuntze; *Zornia strobilifera* (L.) Persoon. **Barkaulijhar, Bhatmas jhar, Bolú**
- 51.31** *Geissaspis* Wight & Arn.
- 51.31.1** *G. cristata* Wight & Arnott., Prodr. Fl. Ind. Or. 218.1834; Baker in Hook.f., Fl. Brit. India 2: 141.1876. AH. Common.
- 51.32** *Indigofera* L.
- 51.32.1** *I. dosua* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 244. 1825 var. *tomentosa* Buch.-Ham. ex D. Don, Fl. Br. Ind. 2: 102. 1876. **Chiringi jhar, Phusre ghans, Dosi swan.** Shrub.
- 51.32.2** *I. stachyodes* Lindl., Bot. Reg. 1: t. 14. 1843. *I. dosua* Buchanan-Hamilton ex D. Don var. *stachyodes* (Lindley) H. Léveillé. Shrub.
- 51.33** *Lathyrus* L.
- 51.33.1** *L. aphaca* L., Sp. Pl. ed.1, 729. 1753. *Orobis aphaca* (L.) Döll. **Yellow-flowered Pea, Yellow vetchling.** AH. Rare.
- 51.33.2** *L. sativus* L., Sp. Pl. 2: 730. 1753. **Grass pea.** AH.
- 51.34** *Lysiloma* Benth.
- 51.34.1** *L. latisiliquum* (L.) Benth., Trans. Linn. Soc. London 30: 534. 1875. *Lysiloma latisiliqua* Sauvalle; *Acacia latisiliqua* (L.) Willd.; *Leucaena latisiliqua* (L.) Gillis & Stearn, Taxon 23: 190. 1974; *L. glauca* Benth. in Hook. f. Fl. Brit. India 2: 290. 1878; *Mimosa latisiliqua* L. Sp. Pl. 519. 1753. **Subabul, Khilkadam.** Shrub or small tree.
- 51.35** *Mastersia* Benth.
- 51.35.1** *M. assamica* Benth. i Trans. Linn. Soc. 25 (1865) 300, t. 34; Prain, J. As. Soc. Beng. 66, ii (1897) 417. Tree.
- 51.36** *Meizotropis* Voigt
- 51.36.1** *M. buteiformis* Voigt, Hort. Suburb. Calcutt. 239. 1845["*buteaeformis*"]. *Butea buteiformis* (Voigt) Grierson & D.G. Long, Notes Roy. Bot. Gard. Edinburgh. 37: 346. 1979; *B. minor* Buch.-Ham. ex Baker, Fl. Br. Ind. 2: 195. 1876; Gamble 1878; *Megalotropis buteiformis* (Voigt) Griff.; *Plaso minor* (Baker) Kuntze. Buch.-Ham. ex Baker, Fl. Br. Ind. 2: 195. 1876; Gamble 1878. **Bhujetro; Bolatru; Dibhar; Pipli rodo; Bhujerto lha; Namosinglet-kúng.** Shrub or PH. Endemic. Rare.
- 51.37** *Melilotus* L.
- 51.37.1** *M. indicus* (L.) All., Fl. Pedem. 1: 308. 1785. *Trifolium indicum* L., Sp. Pl. 2: 765. 1753 [T. "*M. indica*"]. **Methi ghans; Ban Methi.** AH. Less common.
- 51.38** *Millettia* Wight & Arn., 1834
- 51.38.1** *M. extensa* (Benth.) Baker in Hook.f., Fl. Brit. Ind. 2 :109.1876. *M. extensa* (Benth.) Baker, Fl. Br. Ind. 2: 109. 1876; *Otosema extensa* Benth. in Miq., Pl. Jungh. 249. 1852; *Pongamia extensa* Wall., Cat. 5900. 1828. nomen nudum. **Brú-rik, Benrik, Gaujo.** Woody climber. Less common.
- 51.38.2** *M. glaucescens* Kurz, J. As. S. Beng. 42(2): 67. 1873. Tree. Sporadic.
- 51.38.3** *M. pachycarpa* Benth. in Miquel, Pl. Jungh. 250. 1852; Gamble 1878. *Phaseolodes pachycarpum* (Benth.) Kuntze, Revis. Gen. Pl. 1: 201. 1891. **Brudung, Karkus lahara, Kojulara.** Large climber.
- 51.38.4** *M. pulchra* (Benth.) Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42(2): 69. 1873. *M. pulchra* Benth. SC. Rare.
- 51.39** *Mimosa* L.
- 51.39.1** *M. asperata* L., Syst. Nat., ed. 10. 2: 1312. 1759. **Buari jhar, Lajjabati, Naja.** US. Abundant.
- 51.39.2** *M. barberi* Gamble, Bull. Misc. Inform. Kew 5. 1920. PS.
- 51.39.3** *M. himalayana* Gamble in Kew Bull. 1920: 4. 1920. *M. rubricaulis* ssp. *himalayana* (Gamble) H.Ohashi; *M. rubricaulis* Lamk. (Gamble's list); *M. rubricaulis* ssp. *himalayana* Lam. in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 126. 1979. **Arare, Ararae kanra, Sibrio-zhu.** SC. Less common.
- 51.39.4** *M. pudica* L., Sp. Pl. 1: 518. 1753. **Humble plant, Sensitive plant, shame plant, sleeping grass, prayer plant, touch-me-not; Bohori Jhar, Lajunia, Lajjawati, Lajwanti, Sharnpate.** US.
- 51.39.5** *M. rubicaulis* Lam., ; Encycl. 1: 20 (1783). **Aradi, Boksi ghans, Sibriú.** US.
- 51.40** *Mucuna* Adans.
- 51.40.1** *M. macrocarpa* Wall., Pl. As. Rar. 1: 41, t. 47. 1830; Gamble 1878. **Baldengra, Taknyeérik.** Climber. Rare.
- 51.40.2** *M. monosperma* DC. ex Wight, Bot. Misc. 2: 346. Suppl. t.12. 1831; Hook. f., Fl. Brit. India 2: 185. 1876. *M. monosperma* (Roxb.) DC. Prodr. 2: 406. 1825 (Gamble's list); *Carpopogon monospermum* (DC. Ex Wight) Roxb., Fl. Ind. 3: 283. 1832; *Stizolobium monospermum* (Wight) Kuntze. **Negro Bean; Baldangra/ Baldhregra.** Climber.
- 51.40.3** *M. nigricans* (Lour.), Steud. Nomencl. Bot. cd. 2(2): 163. 1841. *M. imbricata* DC., Prodr. 2: 406. 1825; Baker in Hook.f, Fl. Brit. Ind. 2: 185. 1876 (Gamble's list); *Citta nigricans* Lour., Fl. Cochinch. 456. 1790; *Stizolobium nigricans* (Lour.) Pers. Syn. Pl. 2(2): 299. 1807. **Balengra, Kouatch, Dangnyim-rik.** Climber. Rare.
- 51.40.4** *M. pruriens* (L.) DC., Prodr. 2: 405. 1825; Gamble 1878. *M. prurita* Hook. f. 1831; *Carpopogon pruriens* (L.) Roxb. Hort. Bengal. 54 54 1814; *Dolichos pruriens* L. **Kouatch, Kajúkop-rik.** Climber. Less common. Endangered.
- 51.41** *Ormosia* Jacks. nom. cons.
- 51.41.1** *O. glauca* Wall., Pl. As. Rar. 2: 23, t. 125. 1831; Cat. 185, n. 5338. 1831-1832; Baker in Fl. Br. Ind. 2: 253. 1878. *Fedorovia glauca* (Wall.) Yakovlev, B. Zhurn. S.S.S.R. 56(5): 657. 1971. Tree. Sporadic. Rare.
- 51.42** *Parochaetus* Buch.-Ham. ex D. Don

- 51.42.1** *P. communis* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 240. 1825; Das et al. 2008. **Chemgi phool, Muli jhar.** AH. Abundant.
- 51.43** *Phaseolus* L.
- 51.43.1** *P. coccineus* L. Sp. Pl. 2: 724. 1753. Runner bean, scarlet runner bean, or multiflora bean. PH.
- 51.44** *Phyllodium* Desv.
- 51.44.1** *P. pulchellum* (L.) Desv. J. Bot. Agric. 1: 124. 1813. *Desmodium pulchellum* (L.) Benth. (Gamble's list); *Hedysarum pulchellum* L., Sp. Pl. 2: 747. 1753; *Dicerma pulchellum* (L.) Candolle. **Kanni jhangi.** Shrub.
- 51.45** *Piptanthus* D. Don ex Sweet
- 51.45.1** *P. nepalensis* (Hook.) D. Don, in Sweet, Br. Fl. G. 3: t. 264. 1828. *P. laburnifolius* f. *nepalensis* Stapf; *P. nepalensis* f. *leiocarpus* (Stapf) S. Q. Wei; *P. nepalensis* var. *leiocarpus* (Stapf) X. Y. Zhu; *P. nepalensis* f. *sericopetalus* (P. C. Li) S. Q. Wei; *P. nepalensis* var. *sericopetalus* (P. C. Li) X. Y. Zhu. *Baptisia nepalensis* Hooker, Exot. Fl. 2: 131. 1824. **Suga Phul.** Shrub.
- 51.46** *Pithecellobium* Mart.
- 51.46.1** *P. monadelphum* (Roxb.) Kosterm. Reinwardtia 3: 11. 1954 (Unresolved). *P. bigeminatum* auct. non-(L.) Mart. ex Benth. in Hook., Lond. J. B. 3: 206 (1844); Hook. f., Fl. Brit. India 2: 303. 1878; *Archidendron monadelphum* (Roxb.) Nielson, Adansonia 19: 21. 1979. Tree.
- 51.47** *Prosopis* L.
- 51.47.1** *P. chilensis* (Molina) Stuntz. U.S.D.A. Bur. Pl. Industr. Invent. Seeds. 31: 85 (1914). *Ceratonia chilensis* Molina, Sag. Stor. Nat. Chili. 172. 1782 as "*Chilensis*". **Chilean mesquite; Bera Babla.** Shrub.
- 51.48** *Pueraria* DC.
- 51.48.1** *P. montana* var. *lobata* (Willd.) Maesen & Almeida ex Sanjappa & Pradeep. Legumes of India 288. 1992. *Dolichos lobatus* Willd. Sp. Pl. 3-2: 1047. 1802; *Pueraria lobata* (Willd.) Ohwi. SC. Rare.
- 51.48.2** *P. peduncularis* (Graham ex Benth.) in Benth. J. Linn. Soc., Bot. 9: 124. 1867; Baker in Hooker, Fl. Brit. India 2: 167 (1876); Biswas, Pl. Darjeeling Sikkim Himalayas 1: 291 (1966); Hara, Fl. E. Himalaya 162 (1966); *Neustanthus peduncularis* Benth. Pl. Jungh. [Miquel] 235. 1852 [Aug 1852]. Herb.
- 51.48.3** *P. phaseoloides* (Roxb.) Benth., J. Linn. Soc., Bot. 9: 125. 1865; Biswas, Pl. Darjeeling Sikkim Himalayas 1: 29 (1966); var. *phaseoloides*; var. *subspicata*; *Dolichos phaseoloides* Roxburgh, Fl. Ind., ed. 1832, 3: 316. 1832; *Neustanthus phaseoloides* (Roxb.) Benth. PC. Abundant.
- 51.48.4** *P. sikkimensis* Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 419. 1897 [1898 publ. 1897]. **Birali, Lingom-rik.** PS. Common.
- 51.48.5** *P. tuberosa* (Roxb. ex Willd.) DC., Ann. Sci. Nat. 4: 97. 1825; Prodr. 2: 40. 1825; Gamble 1878. *Hedysarum tuberosum* Willd. **Birali kanda, Debre lara, Lungom-rik.** Large herbaceous climber.
- 51.48.6** *P. wallichii* DC., Ann. Sci. Nat. 4: 97. 1825; Prodr. 2: 240. 1825; Gamble 1878. **Birali, Debre lara.** SC.
- 51.49** *Samanea* (Benth.) Merr.
- 51.49.1** *S. saman* (Jacq.) Merrill, J. Wash. Acad. Sci. 6: 47. 1916. *Mimosa saman* Jacquin, Fragm. Bot. 15. 1800; *Albizia saman* (Jacquin) F.Mueller; *Enterolobium saman* (Jacquin) Prain; *Pithecellobium saman* (Jacquin) Benth. **Khirish.** Tree.
- 51.50** *Senna* Mill.
- 51.50.1** *S. alata* (L.) Roxburgh, Fl. Ind., ed. 1832. 2: 349. 1832. *Cassia alata* L., Sp. Pl. 1: 378. 1753. Shrub. Abundant.
- 51.50.2** *S. floribunda* (Cav.) H.S. Irwin & Barneby. Mem. New York Bot. Gard. 35: 360. 1982. *Cassia floribunda* Cav., Descr. 132. 1802. Shrub.
- 51.50.3** *S. occidentalis* (L.) Link., Handbuch [Link] 2: 140. 1831. *Cassia occidentalis* L., Sp. Pl. 377. 1753; Baker in Hook. f., Fl. Brit. Ind. 2: 262. 1878; Gamble 1: 401(284). 1919. **Thulo tapre, Kasudi, Kalkasunda.** US.
- 51.50.4** *S. septemtrionalis* (Viv.) H.S. Irwin & Barneby, Mem. New York Bot. Gard. 35(2): 365. 1982. *Cassia septemtrionalis* Viviani, Elench. Pl. 14. 1802. **Smooth senna, yellow shower, arsenic bush, buttercup bush.** Shrub or small tree.
- 51.50.5** *S. siamea* (Lam.) H.S. Irwin & Barneby. Mem. New York Bot. Gard. 35(1): 98 (1982). *Cassia siamea* Lamk., Encycl. Meth. 1:684. 1785; Baker in Hook. f., Fl. Brit. Ind. 2: 264. 1878. **Siamese senna, Siamese cassia, Yellow cassia; Minjuri.** Tree.
- 51.50.6** *S. sophora* (L.) Roxb., Fl. Ind. (Roxburgh) 2: 347. 1832 (as "*sophora*"). *Cassia sophora* L., Sp. Pl. 379 (1753). **Kalkasunda; Tapre, Kasudi.** Shrub. Abundant.
- 51.50.7** *S. sophora* var. *purpurea* (Roxb. ex Lindl.) V. Singh, J. Econ. Taxon. Bot. 16(3): 600. 1992. *Cassia sophora* var. *purpurea* (Edw.) Voigt Hort. Sub. Calc. 248. 1845; Baker, Hook.f. Fl. Brit. India 2: 263.1878; *C. purpurea* Edw. Bot. Reg. t. 856. 1825. **Lal Kalkashunda.** Shrub.
- 51.50.8** *S. tora* (L.) Roxb., Fl. Ind. 2:340.1832; V. Singh, Monogr. Indian Subtribe Cassiinae 222. 2001. *Cassia tora* L. Sp. Pl. 376.1753; Hook. f., Fl. Brit. India 2: 263. 1878. **Chakunda; Sickle senna, Foetid Cassia, Ring worm plan.** AS. Abundant.
- 51.51** *Sesbania* Scop.
- 51.51.1** *S. sesban* (L.) Merrill, Philipp. J. Sci., C. 7: 235. 1912. *Coronilla sesban* (L.) Moench, Methodus 120. 1794; *S. aegyptiaca* (Poir.) Pers. Syn. Pl. 2(2): 316. 1807 (Gamble's list); *Sesban sesban* (L.) Britton, Brooklyn Bot. Gard. Mem. 1: 54. 1918. **Jait.** Small tree.
- 51.52** *Shutteria* Wight & Arn.
- 51.52.1** *S. hirsuta* Baker in Hook., Fl. Br. Ind. 2: 182 (1876). AC. Less common.
- 51.52.2** *S. involucrata* (Wall.) Wight & Arn., Prodr. Fl. Ind. Or. 207. 1834; Benth. In Miq. Pl. Jungh. 2:232. 1852. *S. involucrata* var. *glabrata* (Wall.) Wight & Arn., J. Jap. B. 50: 305. 1975; in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 130. 1979; *Glycine involucrata* Wallich, Pl. Asiat. Rar. 3: 22. 1832; *Shutteria vestita* Wight & Arnott var. *involucrata* (Wallich) Baker. Climber. Common.
- 51.53** *Smithia* Aiton

- 51.53.1** *S. ciliata* Royle, Ill. B. Him. t. 35, f. 2. 1834; 201. 1835. AH.
- 51.54** *Spatholobus* Hassk.
- 51.54.1** *S. parviflorus* (DC.) Kuntze, Rev. Gen. Pl. 1: 205. 1891. *S. roxburghii* Benth., in Miq., Pl. Jungh. 238. 1852 (Gamble's list); *Butea parviflora* DC. **Debre-lara, Sal lahara/Madane, Terol-rik.** Climber. Frequent.
- 51.55** *Tephrosia* Pers.
- 51.55.1** *T. candida* (Roxb.) DC., Prodr. 2: 249. 1825; Gamble 1878. *Robinia candida* (Candolle) Roxburgh. **Bodle-lara; Suhutungrung.** PH. Common.
- 51.56** *Trifolium* L.
- 51.56.1** *T. dubium* Sibth., Fl. Oxon. 231. 1794. **Lesser hop trefoil, Lesser Trefoil, Suckling Clover, Yellow Shamrock.** PH.
- 51.56.2** *T. repens* L., Sp. Pl. 2: 767. 1753. *Amoria repens* (L.) C. Presl, Symb. Bot. 1. 47. 1831. **White clover; Beulee.** AH. Abundant.
- 51.57** *Ulex* L.
- 51.57.1** *U. europeus* L., Sp. Pl. 2: 741. 1753. **Gorse.** Shrub.
- 51.58** *Uraria* Desv. 1813
- 51.58.1** *U. rufescens* (DC.) Schindler, Repert. Spec. Nov. Regni Veg. 21: 14. 1925. *Desmodium rufescens* Candolle, Ann. Sci. Nat. (Paris) 4: 101. 1825. Subshrub.
- 51.59** *Vicia* L.
- 51.59.1** *V. hirsuta* (L.) Gray, Nat. Arn. Brit. Pl. 2, 614. 1821. *V. hirsuta* var. *hefeiana* J. Q. He; *Ervum hirsutum* L., Sp. Pl. 2: 738. 1753; *Vicioides hirsuta* (L.) Moench. **Aankura, Kutuli kosa.** AH. Less common.
- 51.59.2** *V. sativa* L., Sp. Pl. 736. 1753. **Common vetch.** AH. Rare.
- 51.59.3** *V. tetrasperma* (L.) Schr., Spic. Fl. Lips. 26. 1771. *Ervum tetraspermum* L., Sp. Pl. 2: 738. 1753. **Aankura, Kutuli kosa.** AC. Rare.
- 51.60** *Vigna* Savi
- 51.60.1** *V. clarkei* Prain in Journ. Asiatic Soc. Beng. 66: 429 (1897). Woody climber.
- 51.61** *Wisteria* Nutt.
- 51.61.1** *W. sinensis* (Sims) Sweet, Hort. Brit. 121. 1826; Chakraborti & Saini 1999. *W. sinensis* f. *alba* (Lindley) Rehder & E. H. Wilson; *W. sinensis* var. *albiflora* Lemaire; *W. chinensis* DC. 1825, *W. chinensis* DC. var. *albiflora* (Lem.) W. Miller 1902, *W. sinensis* (Sims) Sweet var. *alba* Lindl. 1849, *W. sinensis* (Sims) Sweet var. *albiflora* Lem. 1858; *Glycine sinensis* Sims, Bot. Mag. 46: t. 2083. 1819; *G. sinensis* (Sims 1819), *Kraunhia chinensis* (Greene 1892), *K. floribunda* (Willd.) Taub. var. *sinensis* (Sims) Makino 1911, *K. sinensis* (Sims) Makino 1910, *Millettia chinensis* (Benth. 1852), *Rehsonia sinensis* (Sims) Stritch 1984. **Chinese wisteria.** Climber. Less common.
- 52. FAGACEAE** Dumort., Anal. Fam. Pl.: 11, 12. 1829, nom. cons. (the Beech or Oak Family). Genus: 4; Species: 23
- 52.1** *Castanea* Mill.
- 52.1.1** *C. sativa* Mill, Gard. Dict. ed. 81. 1768. **Spanish Chestnut, Sweet Chestnut.** Tree.
- 52.2** *Castanopsis* (D. Don) Spach
- 52.2.1** *C. argentea* (Blume) A. DC. J. Bot. 1: 182. 1863. *Castanea argentea* (Blume) Blume, Bijdr. 525. 1826; *Fagus argentea* Blume in Flora 7: 291. 1824. **Kuchiang-kúng.** Tree.
- 52.2.2** *C. hystrix* J. D. Hooker & Thomson ex A. de Candolle, J. Bot. 182. 1863. **Banjkatu, Kashioron, Katus, Jat Katus, Patle katus, Tshe shing.** Tree. Less common.
- 52.2.3** *C. indica* (Roxburgh ex Lindley) A. de Candolle in Hance, J. Bot. 1: 182. 1863; Gamble 1878. *Castanea indica* Roxb. ex Lindley in Wallich, Pl. Asiat. Rar. 2: 5. 1830; *Quercus indica* (Roxb. ex Lindley) Drake. **Aule katus, Banj katú, Dalne katus, Dhalnekatus, Kaihiorón, Sokey.** Tree. Less common.
- 52.2.4** *C. lanceifolia* (Oerst.) Hickel & A. Camus, Bull. S. B. Fr. 68: 394. 1921, 'lanceaefolia'. A. Camus, Chataigniers, Texte 427, Atlas t. 59. 1929. *C. lanceifolia* (Kurz) Kurz. Forest Fl. Burma 2: 482. 1877; *Castanea lanceifolia* (Oerst.) Kurz. Prelim. Rep. Forest Pegu App. A: cxxvii 1875; *Pasania lanceifolia* Oerst. Vidensk. Meddel. Dansk Naturhist. Foren. Kjøbenhavn 1866: 84. 1866; *Quercus lanceaefolia* Roxb., Fl. Ind. ed. 2, 3: 634. 1832; non Schlecht. & Cham. (1830); Gamble 1878; *Synaedrys lanceifolia* Koidz. Bot. Mag. (Tokyo) 3: 186. 1916. **Patlé katus, Sirikúng.** Tree. Rare.
- 52.2.5** *C. tribuloides* (Sm.) A. DC., J.B. 1: 182. 1863; Gamble 1878. *C. tribuloides* var. *ferox* King; *Quercus tribuloides* Smith in Rees, Cycl. 29: Quercus no. 13. 1814; *Castanea tribuloides* (Smith) Lindley. **Musré katus, Kashi-oshem, Katus, Patle katus, Tongpa shi.** Tree. Less common.
- 52.2.6** *C. wattii* (King ex Hook.f.) A. Camus, Chataigniers Texte: 270, 421. 1929. *C. rufescens* (Hook. f. & Thomson ex Hook. f.) Gamble, Trees Shrubs Darjeeling 79. 1878; *C. tribuloides* var. *wattii* King ex Hook.f. Fl. Brit. India 5: 623. 1888. **Dalné katus, Sirikishu.** Tree.
- 52.3** *Lithocarpus* Blume.
- 52.3.1** *L. acuminatus* (Roxb.) Rehder, J. Arnold Arbor. 1: 122. 1919. *Quercus acuminata* Roxb., Fl. Ind. ed. 3: 636. 1832. **Chinkapin oak and yellow chestnut oak, Chhota Arkoula, Sanu.** Tree. Not very common.
- 52.3.2** *L. elegans* (Blume) Hatus. ex Soepadmo, Reinwardtia 8: 236. 1970. *L. elegans* var. *collettii* (King) H.B. Naithani & S.N. Biswas; *L. spicatus* var. *elegans* (Blume) A. Camus; *Quercus elegans* Blume. **Spike oak; Arakhaula, Arkawla; Danwa, Kacheeng-kúng, Phaco singali, Shakor shing, Singali.** Tree. Endemic. Rare.
- 52.3.3** *L. fenestratus* (Roxb.) Rehder, J. Arnold Arbor. 1: 126. 1919. *L. fenestratus* var. *brachycarpus* A. Camus; *Quercus fenestrata* Roxburgh, Fl. Ind. ed. 1832, 3: 633. 1832; *Pasania fenestrata* (Roxb.) Oersted; *Synaedrys fenestrata* (Roxburgh) Koidzumi. **Arkhaula, Patle katus; Kashienduug.** Tree. Rare.

**52.3.4 *L. pachyphyllus*** (Kurz) Rehder, J. Arn. Arb. 1: 129. 1919. *L. pachyphyllus* var. *pachyphyllus*; *Quercus pachyphylla* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 44: 197. 1875; *Pasania pachyphylla* (Kurz) Schottky; *Synaedrys pachyphylla* (Kurz) Koidzumi. **Sungure katus, Bara katús, Hloserie-kúng, Thulo katús.** Tree. Endemic. Rare.

#### **52.4 *Quercus* L.**

**52.4.1 *Q. annulata*** Sm. Cycl. 29: 22. 1819; Gamble 1878. *Q. glauca* ssp. *annulata* (Sm.) A. Camus, Chênes Texte 1: 287. 1938; *Cyclobalanopsis annulata* (Sm.) Oerst. Vidensk. Meddel. Naturhist. Foren. Kjøbenhavn 18: 78. 1866. **Phalat, Siri-kúng.** Tree.

**52.4.2 *Q. dentata*** Thunb. in Murray, Syst. Veg., ed. 14. 858. 1784. **Daimyo oak.** Tree. Less common.

**52.4.3 *Q. glauca*** Thunb., Fl. Jap. 175. 1784; Hook. f., l.c.; Collett, l.c.; Brandis, l.c. 627. **Blue Japanese oak; Ring-cupped oak; Sano Phalant, Thonp, Musure phalant.** Tree. Less common.

**52.4.4 *Q. griffithii*** Hook. f. & Thomson ex Miq. Ann. Mus. Bot. Lugduno-Batavi 1: 104 1864. *Quercus aliena* Blume var. *griffithii* (J. D. Hooker & Thomson ex Miquel) Schottky. **Sisi, Beynang Shing, Kasru.** Tree.

**52.4.5 *Q. lamellosa*** Sm. in Rees, Cyclop. 29: n. 23. 1814; Gamble 1878. Ghosh & Saha 2013. **Buk oak; Bangka, Bajrath, Budgrat, Búk, Falant, Pharat-singhali, Shalshi, Thulo Phalant.** Tree. Rare.

**52.4.6 *Q. lineata*** Blume, Bijdr. 523. 1826 var. *oxidon* Wenzig. *Cyclobalanopsis lineata* (Blume) Oerst. idensk. Meddel. Dansk Naturhist. Foren. Kjøbenhavn 1866: 78. 1866. **Arkhaula; Sano Phalant.** Tree. Common.

**52.4.7 *Q. oblongata*** D. Don. Prodr. Fl. Nepal. 57. 1825. *Q. incana* Roxb., Hort. Beng. 104. 1814; Fl. Ind. Car. ed. 3:642. 1832; Hook. f., l.c.; Collett, l.c.; Brandis, l.c. 626. **Himalayan white oak, Banj Oak, Blackjack oak, Grey oak; Sano banjh.** Tree. Endangered.

**52.4.8 *Q. oxyodon*** Miq. Ann. Mus. Bot. Lugduno-Batavi 1: 114. 1864. *Q. lobbii* var. *oxyodon* (Miq.) Wenz., Jahrb. B. G. Berlin 4: 232. 1886; *Q. lineata* var. *oxyodon* (Miq.) Wenz. Jahrb. Königl. Bot. Gart. Berlin 4: 232. 1886; *Cyclobalanopsis oxyodon* (Miq.) Oerst. Vidensk. Meddel. Naturhist. Foren. Kjøbenhavn 18: 79. 1866. **Phalant.** Tree.

**52.4.9 *Q. robur*** L. Sp. Pl. 2: 996. 1753. *Q. robur* (Ten.) A. DC. **Common oak; Pedunculate oak.** Tree.

**52.4.10 *Q. semecarpifolia*** Sm. in Rees, Cycl. 29: Quercus no. 20. 1814; Hook. f., l.c.; Brandis, Ind. Trees, 625. **Brown oak; Jishing, Khasru** Tree.

**52.4.11 *Q. serrata*** Thunb. Fl. Jap. 176-177. 1784 (Unresolved). *Q. serrata* Thunb. ex Murray. **Red oak.** Tree.

**52.4.12 *Q. thomsoniana*** A.DC. Prodr. 16(2): 98 1864. *Q. lineata* Blume var. *thomsoniana* (A. DC.) Wenz; *Cyclobalanopsis thomsoniana* (A.DC.) Oerst.; **Phalant.** Tree. Rare.

**53. GENTIANACEAE** Juss., Gen. Pl.: 141. 4 Aug 1789, nom. cons. (the Gentian or Geranium Family); Genus: 6; Species:28

#### **53.1 *Crawfordia* Wall.**

**53.1.1 *C. affinis*** Wall. ex C.B. Clarke in J. D. Hooker, Fl. Brit. India 4:107. 1883 (Unresolved). *Gentiana confusa* C. Marquand; *Tripterospermum affine* (Wall. ex C.B. Clarke) Harry Sm. In Notes Roy. Bot. Gard. Edinb. 26: 244. 1965; *T. fasciculatum* (Wall.) Chater, in H. Hara et al., Enum. Flow. Pl. Nep. 3: 98. 1982. **Fascicled-flowered Crawfordia.** Herb.

**53.1.2 *C. campanulacea*** Wall. & Griff. ex C.B. Clarke, Fl. Brit. India 4: 106. 1883. *Gentiana campanulacea* (Wall. & Griff. ex C.B. Clarke) C. Marquand. **Showy gentian vine.** Herb. Common.

**53.1.3 *C. luteoviridis*** C.B. Clarke, J. Linn. Soc., Bot. 14: 443. 1875 (Unresolved)[some data suggest that it is synonymous with *Tripterospermum luteoviride* (C.B. Clarke) J. Murata.]. *C. japonica* var. *luteoviridis* (C. B. Clarke) C. B. Clarke, Fl. Br. Ind. 4: 108. 1883; *Gentiana luteoviridis* (C. B. Clarke) Marquand, Kew Bull. 1931: 70. 1931. **Nepal double (pair) butterfly.** Herb.

**53.1.4 *C. speciosa*** C.B. Clarke J. Linn. Soc., Bot. 14: 442 1875. PC.

#### **53.2 *Exacum* L.**

**53.2.1 *E. paucisquamum*** (C.B. Clarke) Klack., Bot. Jahrb. Syst. 126: 477-481. 2006. *Cotylanthera paucisquamum* C.B. Clarke, in Hooker, Fl. Brit. India 4: 94. 1883. Herb.

**53.2.2 *E. teres*** Wall. in Roxb., Fl. Ind. 1: 414. 1820; C.B. Clarke in Hook. F. Fl. Brit. India 4: 95. 1883; Das & Roy 1983. AH.

#### **53.3 *Gentiana* L.**

**53.3.1 *G. albicalyx*** Burkill. J. Proc. Asiat. Soc. Bengal 2: 314. 1906. *G. capitata* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 126. 1825 var. *strobiliformis* C.B. Clarke. Fl. Brit. India 4: 113. 1883. AH.

**53.3.2 *G. argentea*** (D. Don) Griseb. in DC., Prodr. 9:107. 1845; C.B. Clarke, Fl. Br. Ind. 4: 112 (1883); Agrawal & Bhatt. in Bull. Bot. Surv. Ind. 22: 184-185 1980 (Unresolved). *Gentianodes argentea* Royle ex D. Don.; *Ericala argentea* D. Don. **Silvery gentian, Nili sarnal.** AH. Not common.

**53.3.3 *G. bryoides*** Burkill, J. As. S. Beng. n.s., 2: 316. 1906. AH. Less common.

**53.3.4 *G. capitata*** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 126. 1825; Griseb., Gen. et sp. Gent. 275. 1839; in DC., Prodr., l.c. 107; Clarke in Hook. f., l.c. 113; Agrawal & Bhatt. in J. Econ. Tax. Bot. 3: 995. 1982 (p.p.). *G. capitata* var. *andersonii* C.B. Clarke, Fl. Br. Ind. 4: 113. 1883 *Ciminalis capitata* var. *andersonii* (C.B. Clarke) Omer. Edinburgh J. Bot. 50: 73. 1993; *Ericala capitata* (Buchanan-Hamilton ex D. Don) D. Don. **Clustered gentian; Haans phool, Dodikhaem saag.** AH. Common.

**53.3.5 *G. infelix*** C. B. Clarke, Fl. Br. Ind. 4: 111. 1883. *G. microtophora* C. Marquand. AH. Rare.

**53.3.6 *G. listeri*** Burkill. J. Proc. Asiat. Soc. Bengal 2: 314. 1906 (Unresolved). AH. Endemic.

**53.3.7 *G. micans*** C. B. Clarke, Fl. Br. Ind. 4: 112. 1883. AH.

**53.3.8 *G. ornata*** (D. Don) Wall. ex Griseb., Gen. Sp. Gent. 277. 1838. *Gentianodes ornata* (Wall.) Á. Löve & D. Löve, B. Notiser 125: 257. 1972, comb. nud.;

- Pneumonanthe ornata* Wall. ex G. Don, Gen. Hist. 4: 194. 1837. **Showy Chinese gentian**. PH.
- 53.3.9** *G. pedicellata* (Wallich ex D. Don) Griseb., Gen. Sp. Gent. 273. 1838 (Unresolved). *Ericala pedicellata* Wallich ex D. Don, London Edinburgh Philos. Mag. & J. Sci. 8: 76. 1836. **Purple Stalked Gentian; Chara ko kutta**. AH. Abundant.
- 53.3.10** *G. quadrifaria* Blume, Bijdr. 847. 1826. *Ericala quadrifaria* G. Don, Gen. Hist. 4: 190. 1837. AH. Vulnerable.
- 53.3.11** *G. squarrosa* Ledeb. Mém. Acad. Imp. Sci. St. Pétersbourg Hist. Acad. 5: 527. 1812. *Ciminalis squarrosa* (Ledeb.) Zuev; *Ericala squarrosa* G. Don. **Overlapping-leaves Gentian**. AH.
- 53.4** *Halenia* Borkh.
- 53.4.1** *H. elliptica* D. Don, London Edinb. Philos. Mag. J. Sci. 8: 77. 1836; in Tr. Linn. S. 17: 529. 1837. **Tikta**. AH. Common.
- 53.5** *Swertia* L.
- 53.5.1** *S. alata* Clarke in Hook.f., Fl. Brit. Ind. 4(10): 125. 1883. *Agathotes alata* D. Don in London & Edinburgh, Phil. Mag. & J. 8:77. 1836. nom. invalid; *A. alata* G. Don, Gen. Syst. Gard. 4:17. 1837; *Ophelia alata* (G. Don) Griseb., Gen. & Sp. Gent. 321. 1839. **Winged-Stem Swertia**. AH.
- 53.5.2** *S. angustifolia* Buch.-Ham ex D. Don. Prodr. Fl. Nepal. 127. 1825; Clarke in Fl. Br. India 4 (10): 125. 1883. *Ophelia angustifolia* (Buch.-Ham. ex D. Don) G. Don, Gen. Syst. 4: 178. 1837. **Chiraito, Bhale chiraito, Gotha Tite**. AH.
- 53.5.3** *S. bimaculata* (Sieb. & Zucc.) Hook.f. & Thomson ex C.B. Clarke, J. Linn. S. B. 14(78): 449. 1875; in Fl. Br. Ind. 4: 123. 1883. *Ophelia bimaculata* Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(3): 159. 1846; *Swertia bimaculata* var. *macrocarpa* Nakai, B. Mag. Tokyo 47: 262. 1933. **Double-seeded swertia**. AH. Threatened.
- 53.5.4** *S. chirayita* (Roxb.) H. Karst., Deutsche Fl. (Karsten) 1025. 1883 (Unresolved); Clarke in Fl. Br. India 4 (10): 124. 1883. *S. chirata* (Wall.) C. B. Clarke in Fl. Br. India 4: 124. 1883. **Chiraito, Khupli, Tikta, Tite, Pothi chiraito**. AH. Critically Endangered.
- 53.5.5** *S. ciliata* (D. Don ex G. Don) B. L. Burtt, Not. B. G. Edinb. 26: 272. 1965. i D. Don ex G. Don, Gen. Hist. 4: 178. 1837. **Chiraito, Kalen, Khupli, Tikta, Kalo Chiraito**. AH.
- 53.5.6** *S. nervosa* (Wall. ex G. Don) C. B. Clarke in J. D. Hooker, Fl. Br. Ind. 4(10): 125. 1883. *Agathotes nervosa* Wallich ex G. Don, Gen. Hist. 4: 177. 1837; *Ophelia nervosa* (G. Don) Griseb., Gen. Sp. Syst. 317. 1838. **Chiraito, Tite, Kalo Chiraito, Aullo ghans**. AH.
- 53.5.7** *S. paniculata* Wall., Pl. Asiat. Rar. 3: t. 205. 1832; Clarke in Fl. Br. India 4(10): 122. 1883. *Ophelia paniculata* (Wall.) D. Don in Tr. Linn. S. 17: 525. 1837; *Swertia dilatata* C.B. Clarke, Fl. Br. Ind. 4(10): 122. 1883. **Chiraito, Sirlinge, Tite**. AH. Rare.
- 53.5.8** *S. pedicellata* Banerji Bull. Misc. Inform. Kew 1924: 263 1924 (Unresolved). **Chiraito**. Herb.
- 53.5.9** *S. speciosa* G. Don, Gen. Hist. 4: 176. 1837. *S. speciosa* var. *perfoliata* (G. Don) C. B. Clarke, Fl. Br. Ind. 4: 128. 1883. **Showy Swertia**. PH.
- 53.5.10** *S. tongluensis* Burkill, J. Proc. Asiat. Soc. Bengal ser. 2, 2: 319. 1906 (Unresolved). PH.
- 53.6** *Tripterospermum* Blume
- 53.6.1** *T. japonicum* Maxim. Bull. Acad. Imp. Sci. Saint-Pétersbourg 20: 435 1875 (Unresolved). *Crawfordia japonica* Siebold & Zucc. Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(3):160. 1846; C.B. Clarke in Journ. Linn. Soc. Bot. 14: 443. 1875; *Golownia japonica* (Sieb. et Zucc.) Maxim. . lc 4: 252. 1862. **Japanese Dualbutterfly**. PH.
- 53.6.2** *T. volubile* (D. Don) H. Hara, J. Jap. B. 40: 21 1965; H. Sm. in Not. B. G. Edinb. 26: 244. 1965; H. Hara in Fl. E. Him. 258, 650, t. 4, f. c. 1966; Chater in H. Hara et al., Enum. Flow. Pl. Nep. 3: 98. 1982. *Gentiana volubilis* D. Don, Prodr. Fl. Nepal. 126. 1825. Climber.
- 54. GERANIACEAE** Juss., Gen. Pl.: 268. 4 Aug 1789, nom. cons. (the Geranium Family); Mukherjee & Ghosh 1995. Genus: 1; Species:5
- 54.1** *Geranium* L.
- 54.1.1** *G. donianum* Sweet, Geran. 4: sub t. 338. 1827. **Ragatgeri**. PH.
- 54.1.2** *G. nepalense* Sweet, Geran. 1: t. 12. 1820; Das et al. 2008. *G. nepalense* var. *oliganthum* (C. C. Huang) C. C. Huang & L. R. Xu. **Chunitro ghans, Salyan sai, Pueran, Jerenium**. AH. Common.
- 54.1.3** *G. polyanthes* Edgew. & Hook. f., Fl. Br. Ind. 1: 431. 1874. **Many-Flower Geranium**. PH. Rare.
- 54.1.4** *G. pratense* L., Sp. Pl. 2: 681. 1753. *G. pratense* var. *affine* C. C. Huang & L. R. Xu. **Meadow Crane's-bill, Meadow Geranium**. PH.
- 54.1.5** *G. procurrens* Yeo, B. Mag. 179: t. 644. 1973. **Trailing geranium**. PH.
- 55. GESNERIACEAE** Rich. & Juss. in A.P. de Candolle, Essai Propr. Méd. Pl., ed. 2: 192. 11 Mai 1816, nom. cons. (the Gesneriad Family). Genus: 13; Species:36
- 55.1** *Achimenes* Pers.
- 55.1.1** *A. longiflora* DC., Prodr. 7: 536. 1838. Bhujel & Das 1996. **Cupid's bower, Hot Water Plant, Monkey-Faced Pansy, Magic Flower, Orchid Pansy, Nut orchid**. GH.
- 55.2** *Aeschynanthus*
- 55.2.1** *A. acuminatus* Wall. ex A.DC., Prodr. 9: 263. 1845; Clarke in Fl. Brit. India 4 : 341. 1884; Sen in Bull. Bot. Surv. Ind. 5: 114. 1963; Hara in Enum. Fl. Pl. Nepal 3: 133. 1982. *A. acuminatus* var. *chinensis* (Gardner & Champion) C. B. Clarke. **Acuminate basket vine**. Epiphytic US. Less common.
- 55.2.2** *A. bracteatus* Wall. [Cat. no. 794. 1828, nom. nud.] ex A.DC., Prodr. 9: 261. 1845; Fl. Brit. Ind. 4: 342. 1884; C.B. Clarke in Fl. Brit. India 4: 42. 1884; Burtet Davidson in Not. Bot. Gard. Edinb. 21: 230. 1955; Hara in Fl. E. Himal. 121. 1971; Matthew, Fl. Pl. Kurseong 74. 1981; Mukherjee, Fl. Pl. Darjiling 165. 1988. *A. bracteatus* var. *orientalis* W. T. Wang; *A. bracteatus* var. *peelii* (J. D. Hooker & T. Thomson)

C. B. Clarke. **Lipstick Plant**. Epiphytic US. Less common.

**55.2.3 A. hookeri** C. B. Clarke in DC., Monogr. Phan. 5: 21. 1883; in Fl. Br. Ind. 4: 338. 1889; Mukherjee, FI PI. Darjiling 166. 1988. **Hooker's Blushwort**. Epiphytic US.

**55.2.4 A. novogracilis** W. T. Wang, Acta Phytotax. Sin. 13(2): 65. 1975. *A. gracilis* Parish ex C. B. Clarke, Commelyn. Cyrtandr. Bengal. 75. 1874; C.B. Clarke in A.DC. and C.DC, Monogr. Phan. 5(1): 27. 1883; C.B. Clarke in Hook.f, Fl. Brit. India 4: 340. 1884; *Trichosporum gracile* (Parish ex C.B. Clarke) Kuntze, Revis. Gen. Pl. 477. 1891. Epiphytic herb. Less common.

**55.2.5 A. parviflorus** (D. Don) Spreng., Syst. Veg. 4: 238. 1827. *Trichosporum parviflorum* D. Don in Edinb. Philos. J. 7: 85. 1822, Prodr. Fk Nep. 125 (1825); *A. sikkimensis* (C.B. Clarke) Stapf, B. Mag. 148: t. 8938. 1922; Mukherjee in FI. PI. Darjiling 166. 1988; Das & Chanda 1987, *A. ramosissima* Wall., Pl. As. Rar. 1: 55, t. 71. 1829, nom. nud.], Pl. As. Rar. 1: 55, t. 71. 1829, C.B. Clarke in FI. Brit. India 4: 339. 1884; Sen in Bufl. Bot. Surv. Ind. 5: 114. 1963; Banerjee in Rec. Bot. Surv. Ind. 19(2) : 72. 1966. **Sikkim blushwort; Thirjo**. Epiphytic US. Endemic. Rare. Endangered.

### 55.3 *Briggsia* Craib

**55.3.1 B. kurzii** (C. B. Clarke) W. E. Evans, Not. B. G. Edinb. 16: 133. 1928. *Didymocarpus kurzii* C. B. Clarke, Commelyn. Cyrtandr. Bengal. 96. 1874; *Loxostigma kurzii* (C. B. Clarke) Burt, Not. B. G. Edinb. 34: 104. 1975; *Chirita kurzii* (C. B. Clarke) C. B. Clarke, J. Linn. S. B. 15: 145. 1876; in Fl. Br. Ind. 4: 358. 1884; *Roettlera kurzii* (C. B. Clarke) Kuntze. PH.

### 55.4 *Chirita* Buch.-Ham., 1825

**55.4.1 C. calva** C. B. Clarke. Monogr. Phan. 5: 116. 1883. *Henckels calva* (C.B. Clarke) D.J. Middleton & Mich. Möller, Taxon 60 (3): 775th 2011th (17 Jun 2011). PH.

**55.4.2 C. lachenensis** C. B. Clarke in A. & C. de Candolle, Monogr. Phan. 5: 118. 1883. *C. clarkei* Hook. f. Fl. Brit. India 4(11): 359 1884. (Unresolved). PH.

**55.4.3 C. macrophylla** Wall., Pl. As. Rar. 1: 56, t. 72. 1830; DC., Prodr. 9: 269 (1845); C. B. Clarke, Comm. and Cyrt. Beng. t. 71 (1874), in FI. Brit. India 4: 358 (1884); Hara in FI. E. Himal. 297 (1966), 121 (1971); Matthew, FI. PI. Kurseong 75 (1981); Hara in Enum. FI. PI. Nepal 3 : 133 (1982); Mukherjee, FI. PI. Darjiling 166-167 (1988). *Didymocarpus grandifolius* (A. Dietrich) F. G. Dietrich; *Henckelia grandifolia* A. Dietrich (1831), not *H. macrophylla* (Wallich ex D. Don) Sprengel (1817). PH. Less common.

**55.4.4 C. primulacea** C. B. Clarke, ; Comm. Cyrt. Beng. 114, t. 82 (1874); in Fl. Br. Ind. 4: 360 (1884). *Roettlera primulacea* Kuntze. Revis. Gen. Pl. 2: 476. 1891.

**55.4.5 C. pumila** D. Don, Prodr. Fl. Nep. 90. 1825; DC. Prodr. 9: 269 (1945); C.B. Clarke, Comm. and Cyrt. Beng. t. 74 (1874), in FI. Brit. india 4: 357 (1884); Matthew, FI. PI. Kurseong 75 (1981); Hara in

Enum. FI. PI. Nepal 3 : 134 (1982); Mukherjee, FI. PI. Darjiling 167 (1988). *C. flava* R. Brown; *C. sphagnicola* H. Léveillé & Vaniot; *Bonnaya pumila* (D. Don) Sprengel; *Didymocarpus anthonyanus* Handel-Mazzetti; *Henckelia pumila* (D. Don) A. Dietrich; *Roettlera pumila* (D. Don) Kuntze. AH.

**55.4.6 C. urticifolia** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 90. 1825 DC., Prodr. 9: 268 (1945); Clarke, Comm. and Cyrt. Beng. t. 69 (1874), in FI. Brit. India 4: 358-359 (1884); Matthew, FI. PI. Kurseong 75 (1981) ; Hara in Enum. FI. PI. Nepal 3 : 134 (1982); Mukherjee, FI. PI. Darjiling 167 (1988). *C. grandiflora* Wall., Pl. As. Rar. 1: 43, t. 50 (1830); *Didymocarpus urticifolius* (Buchanan-Hamilton ex D. Don) Wonisch; *Gonatostemon boucheanum* Regel; *Henckelia urticifolia* (Buchanan-Hamilton ex D. Don) A. Dietrich; *H. wallichiana* A. Dietrich; *Roettlera urticifolia* (Buchanan-Hamilton ex D. Don) Kuntze. **Aankle**. Herb. Common.

### 55.5 *Codonanthe* (Mart.) Hanst.

**55.5.1 C. devosiana** Lem. III. Hort. 2: t. 56. *Aeschynanthus gracilis* Parish ex C. B. Clarke, Commelyn. Cyrtandr. Bengal. 75. 1874. **Red Elf Vine**. Epiphyte. Rare.

### 55.6 *Corallodiscus* Batalin

**55.6.1 C. lanuginosus** (Wall. ex DC.) B.L. Burt in G. Chron. Ser. 3, 122: 212 (1947); Hara in FI. E. Himal. 298 (1966), in Enum. FI. PI. Nepal 3: 134 (1982); Mukherjee, FI. PI. Darjiling 167 (1988). *Didymocarpus lanuginosa* Wall. [Cat. 23, n. 791 (1829) nom. nud.] ex DC. Prodr. 9 : 268 (1845); C.B. Clarke, Comm. Cyrt. Beng. 97, t. 67 (1874). *Didissandre lanuginosa* (DC.) C.B. Clarke, in DC., Monogr. phan. 5 : 66 (1883), in Rec. Bot. Surv. Ind. 19(2).73 (1966). PH.

### 55.7 *Didymocarpus* Wall.

**55.7.1 D. albicaulis** C. B. Clarke in DC., Monogr. Phan. 5(1): 78. 1883 Matthew, FI. PI. Kurseong 75 (1981); Mukherjee, FI. PI. Darjeeling 168 (1988). *D. leucocalyx* C.B. CLARKE, in HooK.f., Fl. Brit. Ind. 4: 348. 1884, nom. illegit. (probably sphalm. albicalyx); *D. villosus* auct., non D.DON. **Kum Kum Dhup**. AH. Endemic. Sparse. Rare.

**55.7.2 D. andersonii** C.B. Clarke, Commelyn. Cyrtandr. Bengal. t. 62. 1874; in FI. Brit. India 4: 346 (1884). *Roettlera andersonii* Kuntze, Revis. Gen. Pl. 2: 476. 1891. AH.

**55.7.3 D. aromatica** Wall. ex D. Don, Prodr. Fl. Nep. 123. 1825, 'aromatica'; H. Hara in J. Jap. B. 47: 273. 1972; in FI. E. Him. 3: 104. 1975. *D. subalternans* Wallich ex R. Brown., Cyrtandreae, 118 (1839), nom. illegit.; *Henckelia aromatica* (Wallich ex D. Don) Sprengel. Syst. veg., ed. 16: 4/2, 13 (1827). **Ailo**. PH.

**55.7.4 D. aurantiacus** C. B. Clarke, Comm. Cyrt. Beng. 90, t. 60 (1874); in Fl. Br. Ind. 4: 346 (1884). **Orange stone flower**. Herb.

**55.7.5 D. mortonii** C.B. Clarke, Commelyn. Cyrtandr. bengal., 95, t. 65 (1874). *D. sikkimensis* C.B. CLARKE; in Hooker f., Fl. Brit. India 4: 348. 1884. **Himalayan forest herb**. Herb.

**55.7.6 D. oblongus** Wall. ex D. Don, ; Prodr. Fl. Nep. 123 (1825), 'oblonga'. Wall., Pl. As. Rar. 2: 34, t. 140

(1831). *Henckelia oblonga* (D.DON) SPRENG., Syst. veg., ed. 16, 4/2: 13 (1827). PH.

**55.7.7** *D. pedicellatus* R.Br. Pl. Jav. Rar. 118 1840. Lithophytic herb.

**55.7.8** *D. podocarpus* C. B. Clarke, in DC., Monogr. Phan. 5(1): 76 (1883), '*podocarpa*'; in Fl. Br. Ind. 4: 347 (1884); Mukherji, Fl. PI Darjiling 168 (1988). AH. Rare.

**55.7.9** *D. primulifolius* D.Don Prodr. Fl. Nepal. 123 1825. PH.

**55.7.10** *D. pulcher* C. B. Clarke in DC., Monogr. Phan. 5(1): 79. 1883, '*pulchra*'; in Fl. Br. Ind. 4: 348 (1884). PH.

**55.7.11** *D. subalternans* C.B.Clarke, Commelyn. Cyrtandr. Bengal. t. 55. 1874; in Fl. Brit. India 4 : 347 (1884); Hara in Enum. Fl. PI. Nepal 3: 135 (1982) (Unresolved). Herb.

**55.7.12** *D. triplotrichus* Hilliard, Edinburgh J. Bot. 52: 218 (1995). *D. obtusus* auct., non [WALL. ex] R. BR.; C.B. Clarke, Commelyn. Cyrtandr. bengal., 91, t. 61. 1874. PH.

**55.7.13** *D. villosus* D. Don, Prodr. Fl. Nep. 123. 1825, '*villosa*'; C. B. Clarke in Fl. Br. Ind. 4: 347 (1884). *Henckelia villosa* (D. Don) Sprengel; *Roettlera villosa* (D. Don) Kuntze. **Kumkum dhup**. PH.

#### **55.8 Epithema Blume**

**55.8.1** *E. carnosum* Benth, Scroph. Ind. 57. 1835; "*Carnosum*" C. B. Clarke, Comm. 6-Cyrt. Beng. 129. t. 90 (1874), in Fl. Brit. India 4: 339 excl. var.; *Aikinia carnosum* (Bentham) G. Don. Herb.

#### **55.9 Leptoboea**

**55.9.1** *L. multiflora* (C. B. Clarke) C. B. Clarke in DC., Manogr. Phaner. 5 : 165 (1883) in Fl. Brit. India 4 : 368 (1884). *Championia multiflora* C. B. Clarke, Commelyn. Cyrtandr. Bengal. 99. 1874. Herb.

#### **55.10 Loxostigma C. B. Clarke**

**55.10.1** *L. griffithii* (Wight) C. B. Clarke in DC., Monogr. Phan. 5: 60. 1883, in Fl. Brit. India 4 : 344 (1884); Sen in Bull. Bot. Surv, India 5 : 114 (1963); Hara in Fl. E. Hl. 299 (1966) ; Matthew, Fl. PI. Kurseong 76 (1981); Hara in Enum. Fl. PI. Nepal 3 : 135 (1982); Mukherjee, Fl. PI. Darjiling 169 (1988). *D. griffithii* Wight, Ill. Ind. Bot. 2: 182. 1850; *Dichrotrichum griffithii* (Wight) C. B. Clarke; Comm. Cyrt. Beng. 79, t. 51 (1874). US.

#### **55.11 Lysionotus D.Don**

**55.11.1** *L. atropurpureus* H. Hara., J. Jap. Bot. 48: 359. 1973. Subshrub.

**55.11.2** *L. serratus* D. Don, Edinb. Philos. J. 7: 85. 1822, Prodr. Fl. Nepal 124 (1825); C. B. Clarke in Fl. Brit. Ind. 4: 344 (1884); Hara in Fl. E. Himal. 299 (1966), p. p.; 106 (1975); Matthew, Fl. PI. Kurseong 76 (1981); Hara in Enum. Fl. PI. Nepal 3 : 135 (1982); Mukherjee, Fl. PI. Darjiling 169 (1988). *L. serratus* var. *serratus*; *L. himalayensis* (H. Léveillé) W. T. Wang & Z. Y. Li; *L. ternifolius* Wallich *Didymocarpus esquirolii* H. Léveillé; *Hemiboea himalayensis* H. Léveillé. US.

#### **55.12 Rhynchoglossum Blume**

**55.12.1** *R. obliquum* Blume, Bijdr. 741 . 1826., '*Rhinoglossum*'. C. B. Clarke, Comm. Cyrt. Beng. 124, t. 88 (1874); in Fl. Br. Ind. 4: 367 (1884). *R.*

*hologlossum* Hayata; *R. obliquum* f. *albiflorum* Kuntze; *R. obliquum* f. *coeruleum* Kuntze; *R. obliquum* var. *hologlossum* (Hayata) W. T. Wang; *R. obliquum* var. *parviflorum* C. B. Clarke; *R. zeylanicum* W. J. Hooker; *Loxotis obliqua* (Wallich) Bentham; *Wulfenia oblique* Wallich. **Small Flowered Rhynchoglossum**. AH.

#### **55.13 Rhynchotechum Blume**

**55.13.1** *R. ellipticum* (Wall. ex D. Dietr.) A. DC. in DC., Prodr. 9: 285 in adnota. 1845, '*Rhyncothecum*'; Hook. f. in B. Mag. 96: t. 5832 (1870); C. B. Clarke, Comm. & Cyrt. Beng. 131, t. 91 (1874), in Fl. Brit. India 4: 373 (1884). *R. latifolium* J. D. Hooker & Thomson ex C. B. Clarke; *R. obovatum* (Griffith) B. L. Burt. *Corysanthera elliptica* Wallich ex D. Dietrich, Syn. Pl. 3: 582. 1842; *Chiliandra obovata* Griffith. US.

**55.13.2** *R. vestitum* Wall. ex C. B. Clarke, Comm. Et Cyrt. Beng. 132, T. 92. 1874, in Fl. Brit. India 4: 373-374 (1884); Ghosh in Jour. Bengal nat. Hist. Soc. 8 (1): 46-55 (1989). US.

**56. GROSSULARIACEAE** DC. in J.B.A.P.M. de Lamarck & A.P. de Candolle, Fl. Franç., ed. 3, 4(2): 405. 17 Sep 1805, nom. cons. Genus: 1; Species:2

#### **56.1 Ribes L.**

**56.1.1** *R. glaciale* Wall. in Roxb., Fl. Ind. 2: 513 (1824), p.p.; Cat. 229, n. 6833 (1832), p.p. C. B. Clarke in Fl. Br. Ind. 2: 410 (1878), p.p. Jancz. In Mem. S. Phys. Hist. Nat. Geneve 35:467, f. 173 (1907). **Robhay**. Shrub.

**56.1.2** *R. takare* D. Don. Prodr. Fl. Nepal. 208 208 1825. Shrub.

**57. HAMAMELIDACEAE** R. Br. in C. Abel, Narr. Journey China: 374. 15 Aug 1818, nom. cons. (the witch-hazel family). Genus: 1; Species:1

#### **57.1 Exbucklandia R. W. Br.**

**57.1.1** *E. populnea* (R. Br. ex Griff.) R. W. Br., J. Washingt. Acad. Sci. 36: 348 in textu (1946). *Bucklandia populnea* R. Brown ex Griffith,asiat. Res. 19(1): 95. 1836; *B. populifolia* J. D. Hooker & Thomson; *Aeschynanthus esquirolii* H. Léveillé; *Symingtonia populnea* (R. Brown ex Griffith) Steenis. **Chenjushing, Tsusing, Singliang- kúng, Peeplee, Pipla, Pipli**. Tree. Common.

**58. HELWINGIACEAE** Decne., Ann. Sci. Nat. Bot., sér. 2, 6: 69. Aug 1836. Genus: 1; Species:1

#### **58.1 Helwingia Willd.**

**58.1.1** *H. himalaica* J. D. Hooker & Thomson ex C.B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 726. 1879. *H. japonica* var. *himalaica* (Hook. f. et Thoms.) Franchet, Pl. David. 2: 67 (1885), quoad basionym tantum; *H. lanceolata* Watt ex Das, l.c. 373 (1938), nom. subnud.; *H. himalaica* var. *lanceolata* Deb in Bull. Bot. Surv. Ind. 3: 273 (1962). **Pipli**. Shrub. Rare.

**59. HYDRANGEACEAE** Dumort., Anal. Fam. Pl.: 36, 38. 1829, nom. cons. (Hydrangea family). Genus: 4; Species:13



**59.1 Deutzia Thunb.**

**59.1.1 *D. compacta*** Craib, Kew Bull. 1913: 264 (1913). *D. corymbosa* var. *hookeriana* C. K. Schneid. ; Mitt. Deuts. Dendr. Ges. 13: 184 (1904). **Compact Deutzia.** Shrub.

**59.1.2 *D. corymbosa*** R. Brown ex G. Don. Gen. Hist. 2: 808. 1832. *D. hookeriana* (Schneider) Airy Shaw. Shrub.

**59.1.3 *D. crenata*** Seib. & Zucc., Fl. Jap. 1: 19. 1835. *D. scabra* Thunberg var. *crenata* (Siebold & Zuccarini) Maximowicz. **Dwarf Deutzia.** Shrub.

**59.1.4 *D. hookeriana*** (C. K. Schneider) Airy Shaw, Bull. Misc. Inform. Kew. 1934: 180. 1934; Chaudhuri 1993. *D. corymbosa* var. *hookeriana* C. K. Schneider, Mitt. Deutsch. Dendrol. Ges. 13: 184. 1904. **Bhatti, Bhujru.** Shrub.

**59.1.5 *D. staminea*** R. Br. ex Wall., Pl. As. Rar. 2: 82, t. 191 (1831). *D. brunoniana* Wallich ex G. Don; *D. staminea* var. *brunoniana* (Wallich ex G. Don) J. D. Hooker & Thomson; *D. staminea* var. *sikkimensis* C. K. Schneider. **Long-Stamen Deutzia.** Shrub.

**59.2 Dichroa Lour.**

**59.2.1 *D. febrifuga*** Lour., Fl. Cochinch. 1: 301 (1790). *Adamia cyanea* Wall., Tent. Fl. Nap. 46, t. 36 (1826); Cat. 14, n. 441 (1829)]. Das et al. 2008. **Bhasak, Patre, Dharmen.** Shrub. Common.

**59.3 Hydrangea L.**

**59.3.1 *H. anomala*** D. Don, Prodr. Fl. Nep. 211 (1825). *H. altissima* Wallich; *H. anomala* var. *sericea* C. C. Yang; *H. glabra* Hayata; *H. glaucophylla* C. C. Yang; *H. glaucophylla* var. *sericea* (C. C. Yang) C. F. Wei. **Sema-kung.** SC. Less common.

**59.3.2 *H. aspera*** D. Don, Prodr. Fl. Nepal. 211. 1825. *H. aspera* f. *emasculata* Chun; *H. aspera* var. *strigosior* Diels; *H. aspera* var. *velutina* Rehder; *H. glabripes* Rehder; *H. villosa* Rehder; *H. villosa* var. *delicatula* Chun; *H. villosa* f. *sterilis* Rehder; *H. villosa* var. *strigosior* (Diels) Rehder; *H. villosa* var. *velutina* (Rehder) Chun. **Phirphire ghans.** Shrub. Less common.

**59.3.3 *H. bretschnideri*** Dippel Handb. Laubholz. 3: 320, f. 171 1893. Shrub.

**59.3.4 *H. heteromalla*** D. Don, Prodr. Fl. Nepal. 211. 1825. *H. heteromalla* var. *parviflora* C. Marquand & Airy Shaw; *H. khasiana* J. D. Hooker & Thomson; *H. mandarinorum* Diels; *H. vestita* Wallich, *H. vestita* Wall. **Halonre, Kolenchuk, Phusure kath.** Shrub or small tree.

**59.3.5 *H. macrophylla*** (Thunb.) Ser., ; Prodr. 4: 15 (1830). **Bigleaf hydrangea, Lacecap hydrangea, Mophead hydrangea, Penny mac, Hortensia.** Shrub.

**59.3.6 *H. robusta*** Hook. f. & Thomson, J. Linn. Soc., Bot. 2: 76. 1858. *H. aspera* subsp. *robusta* D. Don; J. Arn. Arb. 37: 373 (1956); *H. longialata* C. F. Wei; *H. maximowiczii* H. Léveillé; *H. rosthornii* Diels; *H. rotundifolia* C. F. Wei. **Bhogote, Bhokote, Phirphire ghans.** Shrub. Common.

**59.4 Philadelphus L.**

**59.4.1 *P. tomentosus*** Wall. ex G. Don, ; Gen. Syst. 2: 807 (1832). *P. tomentosus* forma *nepalensis* Wall. ex G. Don; Univ. Mus. Univ. Tokyo Bull., 2: 47 (1971).

*P. coronarius* var. *tomentosus* L., ; J. Linn.S. B. 2: 83 (1857). Shrub.

**60. HYPERICACEAE** Juss., Gen. Pl.: 254. 4 Aug 1789, nom. cons. (St. john's-wort family). Genus: 1; Species:16

**60.1 Hypericum L.**

**60.1.1 *H. benghalense*** S.N. Biswas, Bull. Bot. Surv. India 29: 53. 1987 publ. 1989 (Unresolved). AH. Endemic.

**60.1.2 *H. choisianum*** Wall. ex N. Robson in Nasir & Ali, Fl. W. Pakistan. 32: 6. 1973. Herb. Rare.

**60.1.3 *H. dyeri*** Rehder, J. Arn. Arb. 20: 422. 1939 (Unresolved). *H. coriaceum* Royle, Illustr. Bot. Himal. 131. 1834. nomen. *H. govanianum* Wall., Numer. List no. 4815. 1831. nomen. *H. lysimachioides* Wall. [Numer. List No. 4817.1831, nomen] ex Dyer in Hook. f., Fl. Brit. Ind. 1:254. 1874. Collett, Fl. Simlensis: 56.1902, non Boiss. Et Noe (1853). **Dyer's hypericum.** Shrub. Uncommon.

**60.1.4 *H. elodioides*** Choisy, in DC., Prodr. 1: 551 (1824). *H. napaulense* Choisy in DC., Prodr. 1: 552 (1824). **Jibre ghans.** PH. Common.

**60.1.5 *H. gracilipes*** Stapf ex C.E.C. Fisch, Bull. Misc. Inform. Kew 1940: 32. 1940 (Unresolved). AH. Endemic. Rare.

**60.1.6 *H. himalaicum*** N. Robson, J. Jap. B. 52: 287 (1977). *H. monanthemum* J.D. Hooker & Thomson ex Dyer var. *brachypetalum* Franchet. PH.

**60.1.7 *H. hookerianum*** Wight & Arn., Prodr. Fl. Ind. Or. 1: 99 (1834) var. *leschenaultii* Choisy (pro spec.); Gamble 1878; Das et al. 2008. *H. patulum* ssp. *hookerianum* (Wight & Arn.) Kuntze, Rev. Gen. Pl. 1: 60 (1891); *Norysca hookeriana* (Wight & Arn.) Wight, Ill. Ind. B. 1: 110 (1840). **Hooker's St. Johnswort; Doli phul, Mehandiphul; Tumbomri.** Shrub.

**60.1.8 *H. humifusum*** L. Sp. Pl. ed. 1 785 (1753) ssp. *suborbiculatum* S.N. Biswas Bull. Bot. Surv. India 29(1?4): 53 (1987 publ. 1989) 1989. **Trailing St John's wort.** PH. Threatened.

**60.1.9 *H. japonicum*** Thunb. ex Murray; Syst. Veg. ed. 14, 702 (Jul. 1784). Thunb., Fl. Jap. 295, t. 31 (Aug. 1784). D. Don, Prodr. Fl. Nep. 219 (1825). Royle, Ill. B. Him. 131, t. 24, f. 2 (1834). Dyer in Fl. Br. Ind. 1: 256 (1874). Burkill in Rec. B. Surv. Ind. 4: 99 (1910). *H. cavaleriei* H. Léveillé; *H. chinense* Osbeck (1757), nom. utique rej., not Linnaeus (1759), nor Retzius (1788); *H. japonicum* var. *calyculatum* R. Keller; *H. japonicum* var. *cavaleriei* (H. Léveillé) Koidzumi; *H. japonicum* var. *maximowiczii* R. Keller; *H. japonicum* var. *thunbergii* (Franchet & Savatier) R. Keller; *H. laxum* (Blume) Koidzumi; *H. nervatum* Hance; *H. thunbergii* Franchet & Savatier; *Sarothra japonica* (Thunberg) Y. Kimura; *Brathys japonica* (Thunberg) Wight; *B. laxa* Blume; *S. laxa* (Blume) Y. Kimura. **Yurile jhar.** AH. Abundant.

**60.1.10 *H. lysimachioides*** Wall. Numer. List 4817 1831 (Unresolved). Small shrub.

**60.1.11 *H. monanthemum*** Hook. f. & Thomson ex Dyer; Fl. Br. Ind. 1: 256 (1874). *H. monanthemum* ssp. *filicaule* (Dyer) N. Robson, Bull. Brit. Mus. (Nat.

Hist.), Bot. 31: 78. 2001; *H. filicaule* (Dyer) N. Robson; *H. monanthemum* subsp. *Monanthemum*; *H. bachii* H. Léveillé; *H. mairei* H. Léveillé (1915), not H. Léveillé (1912); *H. monanthemum* var. *nigropunctatum* Franchet; *Ascyrum filicaule* Dyer in J. D. Hooker, Fl. Brit. India 1: 252. 1874. **Tenikmolitong**, PH. Rare.

**60.1.12 *H. oblongifolium*** Choisy, Prodr. Monogr. Hyper. 42, t. 4. 1821 (Unresolved). *H. cernuum* Roxb. ex D. Don; Prodr. Fl. Nep. 218 (1825) Plate 385, 393, 64. *H. patulum* var. *oblongifolium* (Choisy) Koehne; Deuts. Dendr. 415 (1893), p.p. quoad typum. **Pendant St. John's wort; Pingniaro, Phiunli, Kalan**. PS. Common.

**60.1.13 *H. patulum*** Thunb., Syst. Veg. (ed. 14) 700. 1784; C.B. Clarke. *H. argyi* H. Leveille & Vaniot; *Komana patula* (Thunberg) Y. Kimura ex Honda; *Norysca patula* (Thunberg) J. Voigt. **Sungold or goldencup St. John's Wort; Urilo**. PS. Common.

**60.1.14 *H. petiolulatum*** Hook. f. & Thomson ex Dyer; Fl. Br. Ind. 1: 255 (1874). *H. petiolulatum* ssp. *petiolulatum*; *H. petiolulatum* var. *orbiculatum* Franchet; *H. thomsonii* R. Keller. AH. Abundant.

**60.1.15 *H. uralum*** Buch.-Ham. ex D. Don, Bot. Mag. 50: t. 2375 (1823); Prodr. Fl. Nep. 218 (1825). *H. nepalense* K. Koch; Dendrol. 1: 497 (1869) in syn., non *H. napaulense* Choisy (1824); *H. patulum* (Thunb) var. *uralum* (Buch.-Ham. ex D. Don) Koehne; Deuts. Dendr. 415 (1893); *H. patulum* Thunberg var. *attenuatum* Choisy; *H. patulum* var. *uralum* (Buchanan-Hamilton ex D. Don) Koehne; *Norysca urala* (Buchanan-Hamilton ex D. Don) K. Koch. **Tumbomri, Urilo, Yurilo**. Shrub. Sparse. Less common.

**60.1.16 *H. wightianum*** Wall. ex Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 99. 1834. *Hypericum bodinieri* H. Léveillé & Vaniot; *H. delavayi* R. Keller. AH. Uncommon.

**61. ICACINACEAE** Miers, Ann. Mag. Nat. Hist., ser. 2, 8: 174. Sep 1851, nom. cons. (the Icacinaceae Family). Genus: 2; Species:2

**61.1 *Natsiatum* Buch.-Ham. ex Arn.**

**61.1.1 *N. herpeticum*** Buch.-Ham. ex Arn., Edinb. New Philos. J. 16: 314. 1834; Gamble 1878. *N. tonkinense* Gagnepain. **Sungoo-rik**. SC. Less common.

**61.2 *Nothapodytes* Blume**

**61.2.1 *N. nimmoniana*** (J. Graham) Mabblerley in K. S. Manilal, Bot. Hist. Hort. Malab. 88. 1980; Taxon 29: 606. 1980. *N. dimorpha* (Craib) Sleumer; *N. foetida* (Wight) Sleumer; *Premna nimmoniana* J. Graham, Cat. Pl. Bombay 155. 1839; *Mappia insularis* (Matsumura) Hatusima; *M. ovata* Miers; *M. ovata* var. *insularis* Matsumura; *Stemonurus foetidus* Wight. **Ghanera**. Tree.

**62. JUGLANDACEAE** DC. ex Perleb, Vers. Arzneikr. Pfl.: 143. Mai 1818, nom. cons. (the walnut family). Genus: 2; Species:3

**62.1 *Engelhardtia* Lesch. ex Blume**

**62.1.1 *E. spicata*** Lesch. ex Blume, Bijdr. 528 (1826). *Engelhardtia aceriflora* (Reinw.) Blume, Fl. Javae t. 2. 1829. **Maple-leaf Engelhardtia; Mauwa, Simkukra, Sugreot-kung**. Tree. Less common.

**62.1.2 *E. spicata*** var. *colebrookeana* (Lindl. ex Wall.), Koord. & Valet., Bijdr. 5 (Meded. Lands Plantent. 33): 169. 1900 (Unresolved). *E. colebrookiana* Lindl. ex Wall. Pl. Asiat. Rar. 3: 4, pl. 208. 1832. **Short-winged Engelhardtia. Mauwa**. Tree. Less common.

**62.2 *Juglans* L.**

**62.2.1 *J. regia*** L., Sp. Pl. 2: 997. 1753. *J. duclouxiana* Dode; *J. fallax* Dode; *J. kamaonia* (C. de Candolle) Dode; *J. orientis* Dode; *J. regia* var. *sinensis* C. de Candolle; *J. sinensis* (C. de Candolle) Dode. **Walnut, Akrot, Kowal-kung, Tashing, Dhant Okhar**. Tree. Frequent.

**63. LAMIACEAE** Martinov, Tekhno-Bot. Slovar: 355. 3 Aug 1820, nom. cons., nom. alt. = LABIATAE (the Mint Family). Genus: 27; Species:48

**63.1 *Achyrospermum* Blume**

**63.1.1 *A. densiflorum*** Blume; Bijdr. 841 (1826). *Achyrospermum philippinense* Benth; *A. phlomoides* Blume. **Dense-flowered Achyrospermum**. SH.

**63.2 *Ajuga* L.**

**63.2.1 *A. lobata*** D. Don, ; Prodr. Pl. Nep. 108 (1825). PH.

**63.2.2 *A. macrosperma*** Wall. ex Benth., Pl. As. Rar. 1: 58 (1830) var. *breviflora* Wall. ex Benth., Fl. Br. Ind. 4: 704 (1885). *A. repens* Roxb., Fl. Ind. ed. 2, 3: 3 (1832). **Ghoke ghans**. PH. Endangered.

**63.2.3 *A. macrosperma*** var. *thomsonii* (Maxim.) Hook.f., Fl. Brit. India. 4: 704. 1885. *A. thomsonii* Maximowicz, Melanges Biol. Bull. Phys.-Math. Acad. Imp. Sci. Saint-Petersbourg 11: 821. 1883.

**63.3 *Anisochilus* (Wall.) Benth**

**63.3.1 *A. carnosus*** (L.f.) Benth, Edward's Bot. Reg. 15: t. 1300. 1830. *Lavandula carnosus* Linnaeus f., Suppl. Pl. 273. 1781. **Thick leaved lavender**. AH.

**63.4 *Anisomeles* R.Br.**

**63.4.1 *A. indica*** (L.) Kuntze; Rev. Gen. Pl. 2: 512 (1891). *A. ovata* R. Brown; *Nepeta indica* Linnaeus, Sp. Pl. 2: 571. 1753; *Epimeredi indica* (Linnaeus) Rothmaler; *Marrubium indicum* (Linnaeus) Myanmarn. **Gobura; Rato charpate**. AH. Common.

**63.5 *Calamintha* Mill.**

**63.5.1 *C. wallichiana*** Das et al. 2008; Palit & Banerjee 2013 (Not recorded in the Kew Plant List). Herb.

**63.6 *Clinopodium* L.**

**63.6.1 *C. piperitum*** (D. Don) Murata, Acta Phytotax. Geobot. 28: 30. 1977. *Satureja piperita* (D. Don) Briq.; *Thymus piperitus* D. Don. Prodr. Fl. Nepal. 112. 1825. PH.

**63.6.2 *C. umbrosum*** (M. Bieb.) Kuntze, Revis. Gen. Pl. 2: 514. 1891. *C. umbrosum* (M. Bieb.) C. Koch in Linnaea. 11: 673. 1848; *Calamintha umbrosa* (M. Bieb.) Fisch. & Meyer, Ind. Sem. Hort. Petrop. 6: 6. 1839. Hook. f., Fl. Brit. Ind. 4: 650. 1885; Mukerjee in Rec. Bot. Surv. Ind. 14, 1: 98.1940; *C. repens* (D.

Don) Benth. in DC., Froth. 12: 233. 1848; *Melissa umbrosa* M. Bieb., Fl. Taur.-Cauc. 2: 63. 1808; *Satureja umbrosa* (M. Bieb.) Scheele in Flora (Regensburg). 26: 577. 1843. **Shady Calamint, Transvaal caldelabra tree; Bilajor, Suparnasa.** PH.

### 63.7 *Colebrookea* Sm.

**63.7.1** *C. oppositifolia* Smith, Exot. Bot. 2: 111. 1806. *C. ternifolia* Roxburgh; *Buchanania oppositifolia* Sm.; *Elsholtzia oppositifolia* (Smith) Poiret.; *Sussodia oppositifolia* (Sm.) Buch.-Ham. **Indian squirrel tail; Dosro, Dhursuli, Kumhyem kung.** Shrub. Sparse.

### 63.8 *Craniotome* Rchb.

**63.8.1** *C. furcata* (Link) Kuntze, ; Rev. Gen. Pl. 2: 516 (1891). *Ajuga furcata* Link, Enum. Hort. Berol. Alt. 2: 99. 1822; *Anisomeles furcata* (Link) Sweet; *Anisomeles nepalensis* Sprengel; *Craniotome versicolor* Reichenbach; *Nepeta versicolor* Trevisan de Saint-Leon. **Batule silam.** SH.

### 63.9 *Elsholtzia* Willd.

**63.9.1** *E. blanda* (Benth.) Benth., ; Lab. Gen. Sp. 162 (1833); in DC., Prodr. 12: 160 (1848). *Aphanochilus blandus* Benth., Pl. Asiat. Rar. 1: 29. 1830; *Perilla elata* D. Don. **Ban Silam, Mrigay-jhar/Mirey-jhar.** SH. Less common.

**63.9.2** *E. flava* (Benth.) Benth.; Lab. Gen. Sp. 161 (1833); in DC., Prodr. 12: 160 (1848). *Aphanochilus flavus* Benth., Pl. Asiat. Rar. 1: 28. 1830. **Ban silam, Lenjaa, Mranja.** SH.

**63.9.3** *E. fruticosa* (D. Don) Rehder; in Sarg., Pl. Wilson. 3: 381 (1917). *E. fruticosa* var. *fruticosa*; *E. dielsii* H. Léveillé; *E. fruticosa* (D. Don) Rehder f. inclusa Sun ex C. H. Hu; *E. fruticosa* f. *leptostachya* C. Y. Wu & S. C. Huang; *E. fruticosa* var. *parvifolia* C. Y. Wu & S. C. Huang; *E. polystachya* Benth.; *E. souliei* H. Léveillé; *E. tristis* H. Léveillé; *Perilla fruticosa* D. Don, Prodr. Fl. Nepal. 115. 1825; *Elsholtzia polystachya* Benth.; Lab. Gen. Sp. 161 (1833); in DC., Prodr. 12: 160 (1848). *Aphanochilus fruticosus* (D. Don) Kudo; *A. polystachys* Benth.; *A. polystachya* Benth.; in Wall., [Cat. 42, n. 1554 (1829), nom. nud.] Pl. As. Rar. 1: 27, t. 33 (1830); *Buddleja plectranthoidea* H. Léveillé; *Colebrookea oppositifolia* Loddiges; B. Cab 5: t. 487 (1820); non Sm. (1805). *Leucosceptrum plectranthoideum* (H. Léveillé) Marquand. **Saano simal.** PH. Common.

**63.9.4** *E. strobilifera* (Benth.) Benth., Lab. Gen. Sp. 163 (1833); in DC., Prodr. 12: 162 (1848). *E. exigua* Handel-Mazzetti; *E. strobilifera* var. *exigua* (Handel-Mazzetti) C. Y. Wu & S. C. Huang; *Cyclostegia strobilifera* Benth. **Ban Bawari.** AH. Less common.

### 63.10 *Gomphostemma* Wall. ex Benth.

**63.10.1** *G. mastersii* Benth. Ex Hook. f., Fl. Brit. India 4: 699. 1885; Prain in Ann. Roy. Bot. Gard. (Calcutta) 3(2): 268, t. 99. 1891; S.K. Mukherjee in Rec. Bot. Surv. India 14: 213. 1940. Small herb. New record (Garg & Singh 2013).

### 63.11 *Hyptis* Jacq.

**63.11.1** *H. suaveolens* (L.) Poiteau, Ann. Nat. Hist. 7: 472. 1806. *Ballota suaveolens* Linnaeus, Syst. Nat., ed. 10, 2: 1100. 1759; *Bysteropogon suaveolens* (Linnaeus) Blume; *Mesosphaerum suaveolens*

(Linnaeus) Kuntze; *Schauera suaveolens* (Linnaeus) Hasskarl. **Gange-jhar, Jangali silam.** AH.

### 63.12 *Isodon* (Schrad. ex Benth.) Spach

**63.12.1** *I. coetsa* (Buchanan-Hamilton ex D. Don) Kudô, Mem. Fac. Sci. Taihoku Imp. Univ. 2: 131. 1929. *I. cavaleriei* (H. Léveillé) Kudo; *I. coetsa* var. *cavaleriei* (H. Léveillé) H. W. Li, J. Arnold Arbor. 69: 371. 1988; *I. coetsa* var. *coetsa*. *Plectranthus cavaleriei* H. Léveillé, Repert. Spec. Nov. Regni Veg. 9: 247. 1911; *P. coetsa* Buchanan-Hamilton ex D. Don var. *cavaleriei* (H. Léveillé) McKean; *P. macreei* Benth.; *P. mairei* H. Léveillé; *Rabdosia coetsa* (Buchanan-Hamilton ex D. Don) H. Hara var. *cavaleriei* (H. Léveillé) C. Y. Wu & H. W. Li.; *Plectranthus coetsa* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 117. 1825; *Ocimum coetsa* (Buchanan-Hamilton ex D. Don) Sprengel; *P. leptobotrys* Diels; *P. maddenii* Benth. ex J. D. Hooker; *P. menthoides* Benth.; *P. polystachys* Sun ex C. H. Hu; *Rabdosia anisochila* C. Y. Wu; *R. coetsa* (Buchanan-Hamilton ex D. Don) H. Hara; *R. coetsoides* C. Y. Wu; *R. megathyrsoides* H. W. Li; *R. pluriflora* C. Y. Wu & H. W. Li; *R. polystachys* (Sun ex C. H. Hu) C. Y. Wu & H. W. Li; *R. polystachys* var. *phylloides* C. Y. Wu.; *Plectranthus coetsa* Buch. - Ham. ex D. Don, Prodr. Fl. Nep. 117:1825. Benth. in DC., Prodr. 12: 58. 1848; Hook. f., Fl. Brit. Ind. 4: 619. 1885; Mukerjee in Rec. Bot. Surv. Ind. 14, 1: 44. 1940. *Rabdosia coetsa* (Such. -Ham. ex D. Don) Hara in Journ. Jap. Bot. 47: 194. 1972. Press in Hara et al., Enum. Fl. Pl. Nepal 3: 162. 1982. PH or subshrub.

**63.12.2** *I. lophanthoides* (Buchanan-Hamilton ex D. Don) H. Hara, J. Jap. Bot. 60: 235. 1985. *I. lophanthoides* var. *gerardianus* (Benth.) H. Hara, J. Jap. Bot. 60: 235. 1985; *I. lophanthoides* var. *graciliflorus* (Benth.) H. Hara, J. Jap. Bot. 60: 235. 1985. *Plectranthus gerardianus* Benth., Pl. Asiat. Rar. 2: 17. 1830; *P. graciliflorus* Benth., Prodr. 12: 56. 1848; *P. gerardianus* Benth. var. *graciliflorus* (Benth.) J. D. Hooker; *P. striatus* Benth. var. *graciliflorus* (Benth.) Handel-Mazzetti; *P. striatus* Benth. var. *gerardianus* (Benth.) Handel-Mazzetti; *P. tatei* Hemsley; *Rabdosia lophanthoides* (Buchanan-Hamilton ex D. Don) H. Hara var. *gerardiana* (Benth.) H. Hara. R. lophanthoides (Buchanan-Hamilton ex D. Don) H. Hara var. *graciliflora* (Benth.) H. Hara. **Crested Flower Isodon.** PH.

**63.12.3** *I. repens* (Wall. ex Benth) Murata, Acta Phyt. Geobot. 22: 21. 1966; in Fl. E. Him. 276. 1966. *Plectranthus repens* Wall. ex Benth. Pl. Asiat. Rar. 2 (5): 17. 1830; *Rabdosia repens* (Wall. ex Benth.) H. Hara, J. Jap. B. 47: 199. 1972. PH.

**63.12.4** *I. scrophularioides* (Wallich ex Benth.) Murata. Acta Phytotax. Geobot. 22: 21 1966. PH.

### 63.13 *Leonotis* (C.H. Persoon) R.Br.

**63.13.1** *L. nepetifolia* (L.) R. Br., Hortus Kew. (ed. 2) 3: 409-410. 1811. *Leonurus nepetifolius* (L.) Mill. Gard. Dict. ed. 8, 2. 1768; *Phlomis nepetifolia* L. Sp. Pl. 586. 1753. **Annual Lion's Ear, Devil's Pincushion, Lion's Tail; Udush mara; Hejurchi.** AH.

**63.14 Leucas R.Br.**

**63.14.1** *L. aspera* (Willd.) Link, Enum. Hort. Berol. Alt. 2: 113. 1822; Hook. f., Fl. Brit. India 4: 690. 1885. *Phlomis aspera* Willdenow, Enum. Pl. 621. 1809. **Common Leucas, Thumba; Chhota-halkusa.** AH. Common.

**63.14.2** *L. decemdentata* var. *decemdentata* (Kew checklist). *L. mollissima* Wall. ex Benth. in Wall., Pl. As. Rar. 1: 62 (1830); Lab. Gen. Sp. 607 (1834); in DC., Prodr. 12: 525 (1848). var. *mollissima*; *L. mollissima* var. *scaberula* J. D. Hooker, Fl. Brit. India. 4: 682. 1885. **Gumpate.** PH.

**63.14.3** *L. lavandulifolia* Sm.; in Rees, Cyclop. 20: 2 (1819). *L. indica* (L.) R. Br. ex Vatke, Oesterr. B. Zeits. 25: 95. 1875; *L. linifolia* (Roth) Spreng., Syst. Veg. 2: 743 (1825); *Phlomis linifolia* Roth, Nov. Sp. 260 (1821). **Thumba, Drona Puspi, Gante phool, Gummi, Julphi jhar, Guma, Durup.** AH. Abundant.

**63.15 Leucosceptrum Sm.**

**63.15.1** *L. canum* Sm., Exot. B. 2: 113, t. 116 (1805); Das et al. 2008. *Clerodendrum leucosceptrum* D. Don; *Comanthosphace nepalensis* Kitamura & Murata; *Teucrium macrostachyum* Wallich ex Bentham. **Bhasure, Ghurpis.** Shrub. Common.

**63.16 Melissa L.**

**63.16.1** *M. axillaris* (Benth.) Bakh. f., in Backer & Bakh. f., Fl. Java 2: 629 (1965). *Geniosporum axillare* Benth. in Wall., Pl. Asia, Rar. 2: 18 (1830); *Calamintha cavaleriei* H. Léveillé & Vaniot; *M. hirsuta* Blume; *M. parviflora* Bentham; *M. parviflora* var. *purpurea* Hayata. **Small-Leaved Purple Melissa.** PH.

**63.16.2** *M. officinalis* L., Sp. Pl. 592. 1753. *Faucibarba officinalis* (L.) Dulac; *Mutelia officinalis* (L.) Gren. ex Mutel. **Lemon Balm.** PH.

**63.17 Mentha L.**

**63.17.1** *M. arvensis* L., Sp. Pl. 1: 577. 1753. *M. parvifolia* Opiz, Naturalientausch 9: 132. 1825. **Wild Mint, Kalo Pudina.** PH. Sparse.

**63.17.2** *M. x piperita* L., Sp. Pl. 576. 1753. pro sp. (*M. aquatica* x *M. spicata* L.); Benth. in DC., Prodr. 12: 169. 1848 (Not recorded in Kewlist). **Pudina.** PH.

**63.18 Ocimum L.**

**63.18.1** *O. kilimandscharicum* Gürke, Pflanzenw. Ost-Afrikas C: 349. 1895. *O. johnstonii* Baker; *O. tortuosum* Baker. **Kilimanjaro basil, Camphor basil, Hoary basil, Fever plant.** US.

**63.18.2** *O. tenuiflorum* L., Mant. Pl. 1: 85. 1767. *O. sanctum* L., Mant. Pl. 85. 1767. **Tulsi.** AH. Very common.

**63.19 Perilla L.**

**63.19.1** *P. frutescens* (L.) Britton, Mem. Torrey B. Club 5: 277 (1894). *P. frutescens* var. *frutescens* *Ocimum frutescens* Linnaeus, Sp. Pl. 2: 597. 1753; *Melissa cretica* Loureiro; *M. maxima* Arduino; *Mentha perilloides* Lamarck; *Perilla avium* Dunn; *P. ocymoides* Linnaeus; *P. urticaefolia* Salisbury. **Silam.** AH.

**63.20 Phlomis L.**

**63.20.1** *P. bracteosa* Royle ex Benth., Bot. Misc 3: 383. 1833; Hook. f., Fl. Brit. India 4: 693. 1885, incl. var. *longifolia*; S.K. Mukherjee in Rec. Bot. Surv.

India 14: 197. 1940. *P. lamiifolia* Royle ex Benth., Bot. Misc. 3: 383. 1833, nom. Superfl. *P. Simplex* Royle ex Benth., Bot. Misc. 3: 382. 1833. *P. cordata* Royle ex Benth., Bot. Misc. 3: 382. 1833. Herb. New record (Garg & Singh 2013).

**63.20.2** *P. macrophylla* Wall. ex Benth., in Wall., Pl. As. Rar. 1: 62 (1830); in DC., Prodr. 12: 543 (1848). *Phlomis setigera* Falc. ex Benth.: Fl. E. Himal. 280 (1966). Herb.

**63.20.3** *P. tibetica* C. Marquand & Airy Shaw, J. Linn. Soc., Bot. 26: 128. 1890; S.K. Mukherjee in Rec. Bot. Surv. India 14: 197. 1940; Fl. E. Himal. 280 (1966). New Record (Garg & Singh 2013). Small herb.

**63.21 Phlomoides Moench**

**63.21.1** *P. hamosa* (Benth.) Mathiesen, Kew Bull. 66: 96. 2011. *Notochaete hamosa* Benth., Edward's Bot. Reg. 15: t. 1289. 1829; Pl. Asiat. Rar. 1: 63. 1830; Kumar 2005. PH. Common.

**63.22 Pogostemon Desf.**

**63.22.1** *P. amaranthoides* Benth., in DC., Prodr. 12: 153 (1848). **Nampani, Rudhila, Rasangan.** Herb. Common.

**63.22.2** *P. benghalensis* (Burm. f.) O. Kuntze, Revis. Gen. Pl. 2: 529. 1891. *P. parviflorus* Benth., *P. plectranthoides* Desf. Ann. Mus. Paris 2: 155 (1815); *Origanum benghalense* Burm. f., Fl. Indica 128. 1768.

**Bengal pogostemon; Rudhilo, Basdam, Nampani, Utajara, Rutili, Kali-bant.** Herb.

**63.22.3** *P. menthoides* Blume, Bijdr. 825. 1826. *P. fraternus* Miquel. PH.

**63.23 Prunella L.**

**63.23.1** *P. vulgaris* L., Sp. Pl. 2: 600. 1753. *P. vulgaris* var. *vulgaris*; *P. vulgaris* var. *elongata* Makino; *P. vulgaris* var. *japonica* Kudo; *P. vulgaris* var. *leucantha* Schur. **Common self-heal or heal-all.** Herb. Abundant.

**63.24 Pseudocaryopteris (Briq.) P.D.Cantino**

**63.24.1** *P. bicolor* (Roxb. ex Hardw.) P.D. Cantino, Syst. Bot. 23: 381. 1998, publ. 1999. *Caryopteris bicolor* (Roxb. ex Hardw.) Mabb.; *C. odorata* (D. Don) B. L. Rob., Proc. Amer. Acad. 51: 531. 1916. *C. wallichiana* Schauer, Prodr. 11: 625. 1847; Clarke in Hook. f., l.c. 597; *Clerodendrum odoratum* (Ham. ex Roxb.) D. Don., Prod. 102. 1825; *Volkameria bicolor* Roxb. ex Hardw. Asiat. Res. 6: 366. 1799; *V. odorata* Ham. ex Roxb., Hort. Beng. 46. 1814. **Bluebeard, Blue Mist Shrub.** Shrub.

**63.24.2** *P. paniculata* (C.B. Clarke) P.D. Cantino, Syst. Bot. 23: 381. 1998, publ. 1999. *Caryopteris paniculata* C.B. Clarke, Fl. Brit. India 4: 597. 1885.

**63.25 Rothea Rafinesque**

**63.25.1** *R. serrata* (L.) Steane & Mabb. Novon 8: 206. 1998. *Clerodendron serratum* Spreng., *C. serratum* (L.) Moon.; *Cyclonema serratum* (L.) Hochst.; *Volkameria serrata* L. **Blue fountain bush, Blue-flowered glory tree, Beetle killer.** Shrub. Frequent.

**63.26 Salvia L.**

**63.26.1** *S. campanulata* Wall. ex Benth., in Wall., Pl. As. Rar. 1: 67 (1830); in DC., Prodr. 12: 276 (1848). *S. campanulata* var. *campanulata*; *S. campanulata* var. *fissa* E. Peter; in Fedde, Repert. 39: 179 (1936).

*S. campanulata* var. *hirtella* E. Peter, Repert. Spec. Nov. Regni Veg. 39: 179. 1936.; in Fedde, Repert. 39: 179 (1936). *S. campanulata* var. *nepalensis* E. Peter; in Fedde, Repert. 39: 179 (1936); *S. campanulata* var. *piliniphylla* E. Peter; in Fedde, Repert. 39: 179 (1936). **Campanula Leaf Sage**. PH.

**63.26.2** *S. coccinea* Buc'hoz ex Etlinger, De Salvia. 23. 1777; Juss. ex Murr., Comment. Gotting. 1: 86 (1779). **Forest fire, Texas sage, Humming bird's sage, Summer jewel red, scarlet sage, tropical sage, blood sage**. AH.

**63.26.3** *S. leucantha* Cav., ; Ic. 1: 16, t. 24 (1791). **Mexican bush sage, White blooming sage**. PS.

**63.26.4** *S. plectranthoides* Griffith, Notul. 4: 199 (1830); Icon. Pl. Asia. t. 450 (1854)-Fl. Brit. Ind. 4: 655 (1885)-Peter-Stial in Fedde, Repert. 39: 186 (1936)-Mukerjee, Lab. Ind. 106 (1940). *S. japonica* Thunberg var. *gracillima* Diels; *S. japonica* var. *kaiscianensis* Pampanini; *S. japonica* var. *parvifoliola* Hemsley; *S. pinnata* Pavolini; *S. tubrifera* H. Léveillé. Distr. **Long coronate sage**. AH.

**63.27** *Scutellaria* L.

**63.27.1** *S. discolor* Wall. ex Benth., Pl. Asiat. Rar. 1: 66. 1830 (Unresolved). *S. discolor* var. *discolor*; *S. indica* Blume, Bijdr. 839 (1825); non L. (1753), nec Roxb. (1832); *S. salvia* H. Léveillé. **Discoloured skullcap; Nilo butte ghans, Daampaate**. AH.

**63.27.2** *S. violacea* B. Heyne ex Benth., in Wall., Pl. As. Rar. 1: 66 (1830). *S. violacea* var. *sikkimensis* Hook. f., ; Fl. Br. Ind. 4: 668 (1885). *S. coleifolia* H. Léveillé. PH.

**64. LARDIZABALACEAE** R. Br., Trans. Linn. Soc. London 13(1): 212. 23 Mai–21 Jun 1821, nom. cons. (the Lardizabala Family). Genus: 2; Species:3

**64.1** *Decaisnea* Hook.f. & Thomson

**64.1.1** *D. insignis* (Griffith) Hook.f. & Thomson, Proc. Linn. Soc. London. 2: 349. 1855. *D. fargesii* Franchet; *Slackia insignis* Griffith, Itin. Pl. Khasyah Mts. 2: 187. no. 977. 1848. **Dead man's fingers, Nomorchi, Loodooma**. Shrub.

**64.2** *Holboellia* Wall.

**64.2.1** *H. angustifolia* Wall., Tent. Fl. Nepal. 1: 25. 1824. *H. latifolia* Wall. var. *angustifolia* Wall., ; Fl. Br. Ind. 1: 108 (1872). *H. angustifolia* subsp. *angustifolia*; *H. acuminata* Lindley; *H. angustifolia* Diels (1900), not Wallich (1824); *H. angustifolia* var. *angustissima* Diels; *H. angustifolia* var. *minima* Réaumur; *H. fargesii* Réaumur; *H. latifolia* Franchet (1885), not Wallich (1824); *H. latifolia* Wallich var. *acuminata* (Lindley) Gagnepain; *H. latifolia* Wallich var. *angustifolia* (Wallich) J. D. Hooker & Thomson; *H. latifolia* var. *bracteata* Gagnepain; *H. marmorata* Handel-Mazzetti; *Stauntonia longipes* Hemsley. **Gufla, Malkati**. SC. Less common.

**64.2.2** *H. latifolia* Wall., Tent. Fl. Nap. 24, t. 16. 1824; Hook. f. & Thoms., Fl. Ind. 1:215. 1855; Hook. f., l.c 108. *H. latifolia* var. *latifolia*, *H. latifolia* ssp. *latifolia*, *Stauntonia latifolia* Wallich. **Gufla, Kaolrik, Malkati, Chiriyangri; Pronchadik; Domhyem**. SC. Less common.

**65. LAURACEAE** Juss., Gen. Pl.: 80. 4 Aug 1789, nom. cons. (the Laurel Family). Genus: 12; Species:49

**65.1** *Actinodaphne* Nees

**65.1.1** *A. citrata* (Blume) Hayata, Icon. Pl. Formosan. 3: 164. 1913 (Unresolved). *Litsea citrata* Blume, Bijdr.: 565. 1826; Hook. f., Fl. Brit. Ind. 5: 155. 1886; *L. kingii* Hook.; *Tetranthera citrata* (Blume) Nees, Syst. Laur. 560. 1836. **Mountain pepper, Pheasant-pepper; Siltimur**. Tree. Common.

**65.1.2** *A. longipes* Kostermans, Reinwardtia 9: 98 1974. *A. reticulata* var. *glabra* Meisn. in DC., Prodr. 15(1): 212. 1864. Tree.

**65.1.3** *A. obovata* (Nees) Blume, Mus. Bot. 1: 342. 1851; Hook. f., Fl. Brit. Ind. 5: 153. 1886. *Tetradenia obovata* Nees in Wallich, Pl. Asiat. Rar. 2: 64. 1831; *Litsea obovata* (Nees) Nees (1836), not Hayata (1911). **Runchey, Runchepat, Mordo-kung, Kohulking**. Tree. Rare.

**65.1.4** *A. reticulata* Meisn. in DC., Prodr. 15(1): 212 (1864). *Jozoste reticulata* Kuntze, Revis. Gen. Pl. 2: 570. 1891. **Masino khapate**. Tree.

**65.1.5** *A. sikkimensis* Meisn., in DC., Prodr. 15(1): 213 (1864). **Sik siki, Phurke sissi, Payong kung**. Tree. Common.

**65.2** *Beilschmiedia* Nees

**65.2.1** *B. assamica* Meisn., Prodr. 15(1): 64. 1864. Tree. Sporadic.

**65.2.2** *B. clarkei* Hook. f. Fl. Brit. India 5: 122. 1886. **Tarsing**. Tree. Endemic. Rare.

**65.2.3** *B. roxburghiana* Nees in Wall., Pl. As. Rar. 2: 69. 1831; Hook. f., Fl. Brit. Ind. 5: 121. 1886. *B. fagifolia* Nees *Laurus bilocularis* Roxb., Fl. Ind. 2: 311. 1824. **Kanyoo-kung, Thulo tarsing**. Tree. Rare.

**65.3** *Cinnamomum* Schaeff.

**65.3.1** *C. bejolghota* (Buch.-Ham.) Sweet, Hort. Brit. 344. 1826. *C. obtusifolium* (Roxburgh) Nees in Wall., Pl. As. Rar. 2: 73. 1831; Hook. f., Fl. Brit. Ind. 5: 128. 1886 (Gamble's list); *Laurus bejolghota* Buchanan-Hamilton, Trans. Linn. Soc. London 13(2): 559. 1822; *Laurus bezolghota* Buch.-Ham. ex Wall., Numer. List 2574, C 1830; *L. obtusifolia* Roxburgh. **Bara singolee, Bhale Sinkauli, Drongdo, Nupsor-kung, Lapanriang sniang, Thingbaithum suak, N'tumapali**. Tree. Vulnerable.

**65.3.2** *C. camphora* (L.) J. Presl, Prir. Rostlin 2: 36, 47–56, t. 8. 1825; Hook. f., Fl. Brit. Ind. 5: 134. 1886. *Laurus camphora* L. Sp. pl. 1: 369. 1753. **Camphor laurel, Karpur**. Tree.

**65.3.3** *C. glanduliferum* (Wall.) Meisner in A. Candolle, Prodr. 15(1): 25. 1864; Hook. f., Fl. Brit. Ind. 5: 135. 1886. *Laurus glandulifera* Wallich, Trans. Med. Soc. Calcutta 1: 45. 1825; *Camphora glandulifera* (Wallich) Nees. **False Camphor Tree; Nepal Camphor Tree; Gunserai, Malligiri, Sinkalee, Rohu-kung**. Tree. Less common.

**65.3.4** *C. glaucescens* (Nees) Hand.-Mazz., Oesterr. Bot. Z. 85: 214. 1936. *Cecidodaphne glaucescens* Nees in Wall., Pl. As. Rar. 2: 70. 1831; *C. cecidodaphne* Meisn. in DC. Prodr. 15 (1): 25. 1864; Hook. f., Fl. Brit. Ind. 5: 135. 1886; Brandis, Ind.

Trees: 534. 1906. **Malagiri, Ganserai, Nepali Sassafras, Mslagedi, Kokilaa, Kawala, Telkaulo, Sugandha kokila.** Tree. Endemic. Less common.

**65.3.5 *C. impressinervium*** Meisn. in DC., Prodr. 15(1): 21. 1864; Gamble 1878. **Korsane, Sissi.** Shrub or small tree. Less common.

**65.3.6 *C. tamala*** (Buch.-Ham.) Nees & Eberm., Handb. Med.-Pharm. B. 2: 426. 1831; Hook. f., Fl. Brit. Ind. 5: 128. 1886; Gamble 1878. *Laurus tamala* Buch.-Ham. in Tr. Linn. S. 13: 555. 1822. **Indian cassia, Indian bay leaf; Singoli, Nupsorg-kúng, Tazpat, Tejpat, Lapanriang, Thingdogimtui, N'teumanau, Songsor-kung.** Tree. Endemic. Sparse. Near threatened.

#### **65.4 *Cryptocarya* R.Br.**

**65.4.1 *C. amygdalina*** Nees in Wall., Pl. As. Rar. 2: 69. 1831; Hook. f., Fl. Brit. Ind. 5: 118. 1886; Gamble 1878. *C. floribunda* Nees in Wall., Pl. As. Rar. 2: 69. 1831; Gamble 1878; *Laurus floribunda* Wall., ; Cat. 79, n. 2593 A & B (1830), nom. nud., p.p. **Kaledso, Patmero.** Tree. Common.

#### **65.5 *Lindera* Thunb.**

**65.5.1 *L. assamica*** (Meisn.) Kurz, Prelim. Rep. For. Veg. Pegu, App. A, 103 (1875); Hooker f., Fl. Brit. Ind. 5: 182. 1886; Gamble, Darj. List 66. *Aperula assamica* Meisn. in DC. Prodr. 151: 240. 1864, p.p. **Paieli, poolalay, phusri, Phamlet, Senashu-kung.** Tree. Rare.

**65.5.2 *L. latifolia*** Hook. f., Fl. Brit. Ind. 5: 183. 1886; Brandis, Ind. Trees: 541. 1906. **Asian spicebush.** Tree. Rare.

**65.5.3 *L. obtusiloba* var. *heterophylla*** (Meisn.) H.B. Cui, Fl. Reipubl. Popularis Sin. 31: 416, pl. 107, f. 10, 416. 1982. *L. heterophylla* Meisn. Prodr. 15(1): 246. 1864; Fl. Br. Ind. v. 180; Gamble Darj. List 06. **Japanese Spicebush, Blunt-lobed spice bush.** Small tree.

**65.5.4 *L. pulcherrima*** (Nees) Hook. f. Fl. Brit. India 5(13): 185. 1886; Gamble Darj. List 66. *Daphnidium pulcherrimum*, Nees; Brandis For. Fl. 383; Kurz For. Fl. ii. 306. **Sissi, Nupsor-kúng, Phusure, Sinhal.** Tree.

#### **65.6 *Litsea* Lam.**

**65.6.1 *L. albescens*** (J. D. Hooker) D. G. Long, Notes Roy. Bot. Gard. Edinburgh 41: 508. 1984. *L. oblonga* (Nees) J. D. Hooker var. *albescens* J. D. Hooker, Fl. Brit. India 5: 169. 1886. Shrub or small tree.

**65.6.2 *L. cubeba*** (Lour.) Pers., Syn. Pl. 2 (1): 4. 1806. *L. citrata* Blume, *Laurus cubeba* Lour., Fl. Cochinch. 1: 252. 1970; *Tetranthera cubeba* (Lour.) Meisn. in DC., Prodr. 15(1): 199. 1864. **Siltimur.** Tree. Rare.

**65.6.3 *L. elongata*** (Nees) Hook. f., Fl. Br. Ind. 5: 165. 1886. *L. elongata* var. *elongata*, *Daphnidium elongatum* Nees in Wallich, Pl. Asiat. Rar. 2: 63. 1831. **Pahenle.** Tree. Common.

**65.6.4 *L. glutinosa*** (Lour.) C.B.Rob. Philipp. J. Sci., C 6: 321 1911. *L. glutinosa* var. *glutinosa*, *L. sebifera* Pers. **Suppatnyok.** Tree. Common.

**65.6.5 *L. hookeri*** (Meisn.) D.G. Long, Notes Roy. Bot. Gard. Edinburgh 41: 510. 1984 (Unresolved). *L. hookeri* var. *khasyana* (Meisn.) T. Bhuiya & P. Singh comb. nov. (Bhuiya and Singh 2013). *L.*

*khasyana* (Meisn.) Hook. f., Fl. Brit. India 5: 164 (1886). Nom. Illeg. (non Meisn. 1864). *Cylicodaphne hookeri* Meisn. Prodr. 15(1): 209. 1864; *Malapoenna hookeri* Kuntze. Revis. Gen. Pl. 2: 571. 1891; *Tetranthera khasyana* Meisn. in DC., Prodr. 15(1): 185 (1864). **Dudhe lampati, Thulo pahenle.** Tree. Less common.

**65.6.6 *L. kingii*** Hook. f. Fl. Brit. India 5: 156. 1886. Small tree.

**65.6.7 *L. kurzii*** King ex Hook, f., Fl. Brit. India 5: 164. 1886; Brandis, Ind. Trees: 537. 1906 (Unresolved). *Malapoenna kurzii* Kuntze, Revis. Gen. Pl. 2: 572. 1891. Small tree.

**65.6.8 *L. lancifolia*** (Roxburgh ex Nees) Benth & Hook.f. ex Fernández-Villar in Blanco, Fl. Filip., ed. 3. 4 (Nov. App.): 181. 1880; Hook. f., Fl. Brit. Ind. 5: 159. 1886. *L. lancifolia* var. *lancifolia*; *Tetranthera lancifolia* Roxburgh ex Nees in Wallich, Pl. Asiat. Rar. 2: 65. 1831. **Kali Pahenle, Makkai kath.** Shrub or small tree. Less common.

**65.6.9 *L. laeta*** (Wall. ex Nees) Hook.f. Fl. Brit. India 5: 169 1886. **Akhaterva, Phamlet-kúng, Chimplet kúng.** Shrub or small tree. Less common.

**65.6.10 *L. monopetala*** (Roxb.) Pers., Syn. Pl. 2: 4. 1807. *L. polyantha* Juss., Ann. Mus. Paris 6: 211. 1805; *Tetranthera macrophylla* Roxb., Fl. Ind. 3: 822. 1832; *T. monopetala* Roxb., Pl. Coromand. 2: 26. t. 148. 1798; *T. quadriflora* Roxb., Fl. Ind. 3: 821. 1832.

**Litsa, Kutmeri, Seychhanglushing, Kutmiro, Kadmero, Pahele.** Tree. Common.

**65.6.11 *L. panamanja*** (Buchanon–Hamilton ex Nees) Hooker f., Fl. Brit. Ind. 5: 175. 1886; Prain, Beng. Pl. 2: 903. 1903; Long in Gierson & Long, Fl. Bhut. 1(2): 277. 1984; Kanjilal et al, Fl. Ass. 4: 90. 1940. *Tetranthera panamanja* Buchanon–Hamilton ex Nees, Pl. Asiat. Rar. 2: 67. 1831. **Painle champ, Dudhi lampati.** Tree. Less common.

**65.6.12 *L. salicifolia*** (Roxb. ex Nees) J. D. Hooker, Fl. Brit. India. 5: 167. 1886. *L. atrata* S. K. Lee; *L. polyantha* Jussieu f. *glabra* H. Liu; *L. salicifolia* f. *glabra* (H. Liu) C. K. Allen. *Tetranthera salicifolia* Roxburgh ex Nees in Wallich, Pl. Asiat. Rar. 2: 66. 1831. **Sano Pahalae.** Small tree. Less common.

**65.6.13 *L. sericea*** (Wall. ex Nees) Hook.f., Fl. Brit. India. 5: 156. 1886. *Tetranthera sericea* Wallich ex Nees in Wallich, Pl. Asiat. Rar. 2: 67. 1831; *Lindera esquirolii* H. Léveillé; *L. griffithii* Meisner; *L. hookeri* Meisner; *L. oreophila* J. D. Hooker. Small tree. Less common.

**65.6.14 *L. sikkimensis*** (Meisn.) Kosterm. ex D.G. Long, Notes Roy. Bot. Gard. Edinburgh 41: 512. 1984 (Unresolved); Bhuiya et al. 2008. Small tree. Less common.

#### **65.7 *Machilus* Nees**

**65.7.1 *M. clarkeana*** King ex Hook.f. Fl. Brit. India 5: 137. 1886 (Unresolved). *Persea clarkeana* (King ex Hook. f.) Kosterm., Reinwardtia 6: 191. 1962. **Chiplek kaulo.** Tree.

**65.7.2 *M. duthiei*** King ex Hook. f., Fl. Brit. Ind. 5: 861. 1890, in Ann. Roy. Bot. Gard. Calcutta 9(1):67, t. 83. 1901; *Persea duthiei* (King ex Hook. f.)

Kosterm., Reinwardtia 6: 191. 1962. **Mahilo kaulo, Pore.** Tree.

**65.7.3 *M. edulis*** King ex Hook.f., Fl. Brit. India 5: 138 1886 (Unresolved). **Aracado; Guli, Kaulo, Lapche phal, Lapche kawla, Pomse, Phumkung.** Tree. Rare.

**65.7.4 *M. gamblei*** King ex Hook.f., Fl. Brit. India. 5: 138. 1886. *M. bombycina* King ex J. D. Hooker; *M. suaveolens* S. K. Lee; *Persea bombycina* (King ex J. D. Hooker) Kostermans; *P. gamblei* (King ex J. D. Hooker) Kostermans; *P. suaveolens* (S. K. Lee) Kostermans. **Kawla, Rohun-kung, Shum.** Tree.

**65.7.5 *M. gammieana*** King ex Hook. f., Fl. Brit. India 5: 137. 1886 (Unresolved). *Persea gammieana* (King ex Hook. f.) Kosterm. ex Kosterm. & Chater in H. Hara et al., Enum. Flow. Pl. Nep. 3: 186. 1982. **Kawla chipili.** Tree. Less common.

**65.7.6 *M. glaucescens*** (Nees) Wight, Icon. Pl. Ind. Orient. 5(2): 12. 1852. *M. villosa* (Roxb.) Hook. f., Fl. Brit. India 5(13): 140. 1886; *Ocotea glaucescens* Nees, Pl. Asiat. Rar. 2: 71. 1831; *Persea glaucescens* (Nees) D.G. Long, Notes Roy. Bot. Gard. Edinburgh 41(3): 521. 1984; *Phoebe glaucescens* (Nees) Nees, Syst. Laur. 100. 1836 (Gamble's list). **Chipley kaulo, Surool, Vaisi kawla.** Tree. Less common.

**65.7.7 *M. parviflora*** Meisn. Prodr. 15(1): 505 1864 (Unresolved). Herb.

**65.8 *Neocinnamomum* H.Liu**

**65.8.1 *N. caudatum*** (Nees) Merr. Contr. Arnold Arbor. 8: 64. 1934. *Cinnamomum caudatum* Nees in Wallich, Pl. Asiat. Rar. 2: 76. 1831 (Gamble's list). **Kharsoni, Sanging-kung.** Tree.

**65.9 *Neolitsea* (Benth. & Hook.f.) Merr.**

**65.9.1 *N. cuipala*** (Buch.-Ham. ex D. Don) Kosterm., Bull. B. Surv. Ind. 10: 287. 1969. *Laurus cuipala* Hamilton ex D. Don, l.c. Kostermans, l.c. 80; *Litsea cuipala* (D. Don) N.P. Balakr. J. Bombay Nat. Hist. Soc. 63: 329. 1967; *Tetranthera cuipala* D. Don. Prodr. Fl. Nepal. 65. 1825. **Kalche, Phephe.** Tree.

**65.9.2 *N. umbrosa*** (Nees) Gamble, Pl. Wilson. 2: 79. 1914. *N. foliosa* (T. Nees) Gamble, Fl. Madras 1240. 1925; *Litsea foliosa* (Nees) Nees, Syst. Laur. 622. 1836; *L. umbrosa* (Nees) Nees, Syst. Laur. 623. 1836; *Tetradenia foliosa* Nees, Pl. Asiat. Rar. 2: 64. 1831; *T. umbrosa* Wall, Numer. List 2564. 1830. Shrub or small tree.

**65.10 *Parasassafra* D.G. Long**

**65.10.1 *P. confertiflora*** (Meisn.) D.G. Long, in Notes Roy. Bot. Gard. Edinburgh 41(3): 513-518. *Litsea confertiflora* (Meisn.) Kosterm., *L. shweliensis* W.W. Sm., *Neocinnamomum confertiflorum* (Meisn.) Kosterm. Small tree. Less common.

**65.11 *Persea* Mill.**

**65.11.1 *P. fructifera*** Kosterm. Reinwardtia 6: 192. 1962 (Unresolved). *Machilus edulis* King ex Hook.f. **Lapche phal, Lepche kaulo.** Tree. Sparse.

**65.11.2 *P. odoratissima*** (Nees) Kosterm., J. Sci. Res. Indon. 1: 116. 1952. *Machilus odoratissima* Nees in Wall., Pl. As. Rar. 2: 70. 1831; Hook. f., Fl. Brit. Ind. 5: 139. 1886; Brandis, Ind. Trees: 530. 1906. **Fragrant bay tree; Seto kaulo, Lali kaulo or**

**Kawla; Lali; Jagrikat; Phamlet-kung, Rohun-kung.** Tree. Less common.

**65.11.3 *P. wallichii*** D.G. Long, Notes Roy. Bot. Gard. Edinburgh 41: 518. 1984 (Unresolved). *Machilus sericea* (Nees) Blume; Mus. B. Lugd.-Bat. 1: 330 (1851). Tree.

**65.12 *Phoebe* Nees**

**65.12.1 *P. attenuata*** (Nees) Nees, Syst. Laur. 104. 1836; Hook. f., Fl. Brit. Ind. 5: 143. 1886. *Ocotea attenuata* Nees in Wall., Pl. As. Rar. 2: 71. 1831. **Angare; Aule lapche kawla, Chattakpur, Dudri; Lepchaphal; Phani-kung.** Tree. Less common.

**65.12.2 *P. hainesiana*** Brandis, Hooker's Icon. Pl. 29: t. 2803. 1906 (Unresolved). **Angare, Bonsum.** Small tree. Endemic. Rare.

**65.12.3 *P. lanceolata*** (Nees) Nees, Syst. Laur. 109. 1836; Gamble 1878; Hook. f., Fl. Brit. Ind. 5: 141. 1886. *Ocotea lanceolata* Nees in Wallich, Pl. Asiat. Rar. 2: 71. 1831; *Laurus lanceolaria* Roxburgh; *O. ligustrina* Nees. **Jhakri kath.** Tree. Less common.

**66. LECYTHIDACEAE** A. Rich. in J.B.G.M. Bory de Saint-Vincent, Dict. Class. Hist. Nat. 9: 269. 25 Feb 1825, nom. cons. (the Brazil-nut Family). Genus: 1; Species: 1

**66.1 *Careya* Roxb. 1819**

**66.1.1 *C. arborea*** Roxb., Pl. Corom. 3: 14, t. 218 (1811); Fl. Ind. ed. 2, 2: 638 (1832). **Wild guava; Baktok-kung, Kumbhi, Kumh.** Tree.

**67. LENTIBULARIACEAE** Rich. in P.A. Poiteau & P.J.F. Turpin, Fl. Paris 1: ed. fol.: 23, ed. qu.: 26. 18 Jan 1808, nom. cons. (Bladderwort family). Genus: 1; Species: 3

**67.1 *Utricularia* L.**

**67.1.1 *U. bifida*** L., Sp. Pl. 1: 18. 1753; Oliver in J. Linn. Soc. Bot. 3: 182. 1859; Clarke in Hook. f., Fl. Brit. Ind. 4: 332. 1884. *Philydrum cavaleriei* H. Léveillé; *Utricularia alata* Benjamin; *U. biflora* Hayata (1911), not Lamarck (1791); *U. humilis* Vahl; *U. recurva* Loureiro; *U. wallichiana* Benj., B. Zeit. 3: 213. 1845. **Bifid Bladderwort.** AH.

**67.1.2 *U. furcellata*** Oliver, Journ. Linn. Soc. Bot. 3: 189. 1859; C.B. Clarke in J. D. Hooker, Fl. Brit. Ind. 4: 334. 1884, partly. *Utricularia furcellata* var. *minor* C.B. Clarke, Fl. Brit. India 4: 334. 1884. AH. Rare.

**67.1.3 *U. striatula*** Smith in Rees, Cycl. 37: Utricularia no. 17. 1818. *Meloneura striatula* (Smith) Barnhart; *Utricularia anthropophora* Ridley; *U. harlandii* Oliver ex Bentham; *U. orbiculata* Wallich ex A. Candolle; *U. rosulata* Benjamin; *U. taikankoensis* Yamamoto. **Striped Bladderwort.** Epiphyte or terrestrial herb.

**68. LINACEAE** DC. ex Perleb, Vers. Arzneikr. Pfl.: 107. Mai 1818, nom. cons. (Flax family). Genus: 2; Species: 4

**68.1 *Anisadenia* Wall. ex Meisn.**

**68.1.1 *A. saxatilis*** Wall. ex Meisn. Pl. Vasc. Gen. 96. 1838; Hook. f. Fl. Brit. Ind. 1: 412. 1874. *A. khasyana* Griff. Not. Pl. Asiat. 4: 534. 1854. PH.

**68.2 Reinwardtia Dumort.**

**68.2.1 R. cicanoba** (Buch.-Ham. ex D. Don) H. Hara, J. Jap. B. 40: 328. 1965; in Fl. E. Him. 168. 1966 (Unresolved). *Linum tetragynum* Colebr. Ex Benth., in Lindl. in B. Reg. 16: sub t. 1326. 1830; *Reinwardtia tetragyna* (Benth.) Planch., in Hook., Lond. J. B. 7: 523. 1848 (Gamble's list). **Yellow Himalayan Flax; Lalú.** Shrub.

**68.2.2 R. indica** Dumort., Comm. Bot. 19. 1822. *Kittelocharis trigyna* (Reichenbach) Alefeld; *Linum cicanobum* Buchanan-Hamilton ex D. Don; *L. repens* Buchanan-Hamilton ex D. Don; *L. trigynum* Roxburgh in As. Res. 6 :57. 1799. *Reinwardtia indica* Dumort., Comm. Bot. 19. 1822, not Linnaeus (1753); *R. trigyna* (Roxb.) Planch. in Hook. Lond. Journ. Bot. 7. 522. 1848, Hook. t., l.c. 412, Gamble 1878; *R. tetragyna* (Roxb.) Planch. Plates. 68, 119, 237, 277, 396, 461. *Macrolinum trigynum* Reichenbach. **Lalú.** US.

**68.2.3 R. tetragyna** (Roxb.) Planch. in Hook. Lond. Journ. Bot. 7. 522. 1848. Hook. t., l.c. 412 (Unresolved). *Linum tetragynum* Colebr. ex Wall. Numer. List 1506. 1829. **Yellow flax, Golden girl; Pyauli.** Herb to US.

**69. LOGANIACEAE** R. Br. ex Mart., Nov. Gen. Sp. Pl. 2: 133. Jan–Jun 1827, nom. cons. (the Logania Family). Genus: 1; Species:1

**69.1 Mitreola L.**

**69.1.1 M. petiolata** (J. F. Gmelin) Torrey & A. Gray, Fl. N. Amer. 2: 45. 1841. *Cynoctonum petiolatum* J. F. Gmelin, Syst. Nat. ed. 13, 443. 1790; *C. mitreola* (Linnaeus) Britton; *C. paniculatum* (Wallich ex G. Don) Robinson; *Mitreola inconspicua* Zollinger & Moritz; *M. oldenlandioides* Wallich ex A. de Candolle; *M. paniculata* Wallich ex G. Don; *Ophiorrhiza mitreola* Linnaeus; *Selenocera secundiflora* Zippellius ex Spanoghe. **Lax hornpod.** AH.

**70. LORANTHACEAE** Juss., Ann. Mus. Natl. Hist. Nat. 12: 292. 1808, nom. cons. (the Mistletoe Family). Genus: 6; Species:21

**70.1 Dendrophthoe Mart.**

**70.1.1 D. falcata** (L.f.) Ettingsh., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 32: 52. 1872. **Honey Suckle Mistletoe; Vanda.** Shrub. Sparse.

**70.1.2 D. pentandra** (L.) Miq. Fl. Ned. Ind. 1(1): 818. 1856. *Loranthus pentandrus* L. Syst. Nat., ed. 12, 2: 252. 1767; Mant. Pl. 1: 63. 1767 (Gamble's list). **Mistletoes.** Parasitic shrub.

**70.2 Helixanthera Lour.**

**70.2.1 H. ligustrina** (Wall.) Danser Bull. Jard. Bot. Buitenzorg III, 10: 317 1929. *Dithecina ligustrina* (Wall.) Tiegh.; *Gaiadendron ligustrinum* (Wall.) Engl.; *Loranthus ligustrinus* Wall. in Roxb., Fl. Ind. 2:219. 1824; Hook, f., FBI. 5: 207. 1886. **Aijaru.** Parasitic shrub. Less common.

**70.2.2 H. parasitica** Loureiro, Fl. Cochinch. 1: 142. 1790. *Helicia parasitica* (Loureiro) Persoon; *Leucobotrys adpressa* Tieghem; *Loranthus adpressus*

(Tieghem) Lecomte; *L. pentapetalus* Roxburgh; Fl. Ind. 2: 211. 1824; ed. 2, 1: 553. 1832 (Gamble's list). **Liso, Sanu Aijaru.** Parasitic shrub. Less common.

**70.3 Loranthus N. J. Jacq. [(nom. cons.)]**

**70.3.1 L. farinosus** Desr. Encycl. , méth. Bot. 3: 597. 1792; Gamble 1878 (Unresolved). **Ajeru.** Parasitic shrub.

**70.3.2 L. globosus** Roxb. Hort. Bengal. 25 (1814), nomen; Fl. Ind. 2: 206. 1824; ed. 2, 1: 550 (1832); ed. 2, 2: 187 (1832); Gamble 1878 (Unresolved). *Macrosolen chochinsinensis* (Lour.) Tiegh.; *M. globosus* (Roxb.) Tiegh. Bull. Soc. Bot. France 42: 442. 1895; *M. oleoides* Miq. Fl. Ned. Ind. 1(1): 831. 1856; *M. sphaerocarpus* Blume, Syst. Veg. 7: 1731. 1830; *M. viridiflorus* Blume, Syst. Veg. 7: 1731. 1830. **Chhoto Manda.** Parasitic shrub.

**70.3.3 L. involucratus** Roxb. Fl. Ind. 2: 208 1824 (Unresolved). Parasitic shrub.

**70.3.4 L. longiflorus** Desr. in Lamk., Encyc. Meth. 3: 598. 1789. Hook. f., l.c. 214; Brandis, l.c. 549; Gamble 1878 (Unresolved). *L. lineatus* Edgew. in Trans. Linn. Soc. 20.59. 1846. **Proosti.** Large parasitic shrub.

**70.3.5 L. psilanthus** Hook.f. Fl. Brit. India 5: 222 1886 (Unresolved). Large parasitic shrub.

**70.3.6 L. pulverulentus** Wall. Fl. Ind., ed. 1820 2: 221–222 1824. Parasitic shrub.

**70.3.7 L. viridiflorus** Wall. in Roxb., Fl. Ind. 2: 219. 1824; Gamble 1878 (Unresolved). *Macrosolen cochinchinensis* Lour. **Ainjeru.** Parasitic shrub.

**70.4 Macrosolen C. L. Blume (1830)**

**70.4.1 M. cochinchinensis** (Lour.) Tiegh. Bull. Soc. Bot. France 41: 122, in text 122. 1894; Ganguly & Pal, Journal of Bombay Natural History Society 72: 883–886. 1975. *Loranthus cochinchinensis* Lour. Fl. Cochinch. 1: 195. 1790. **Common Chinese Mistletoe.** Shrub.

**70.5 Scurrula L.**

**70.5.1 S. elata** (Edgew.) Danser, Bull. Jard. B. Buitenzorg 3, 10: 350. 1929. *Loranthus elatus* Edgeworth, Trans. Linn. Soc. London 20: 58. 1846. **Tall Mistletoe.** Shrub.

**70.5.2 S. parasitica** L. Sp. Pl. 1: 110 110 1753. **Aijaru.** Shrub. Less common.

**70.5.3 S. parasitica** var. *parasitica* L. *Loranthus scurrula* L. Parasitic shrub.

**70.5.4 S. parasitica** var. *graciliflora* (Roxb. ex Schult.) H.S. Kiu. Fl. Yunnan. 3: 363. 1983. *Scurrula graciliflora* (Roxb. ex Schult.) Danser, Blumea. 2(2): 47–48. 1936; *Loranthus graciliflorus* Roxb. ex Schult., Syst. Veg. 7: 99. 1829 (Gamble's list); *L. scurrula* var. *graciliflorus* (Roxb. ex Schult.) Kurz. Forest Fl. Burma 2: 319. 1877; *Scurrula graciliflora* (Roxb. ex Schult.) Danser. Blumea 2(2): 47–48. 1936. **Mistletoes.** Parasitic shrub.

**70.6 Viscum L.**

**70.6.1 V. album** L., Sp. Pl. 2: 1023. 1753. *V. stellatum* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 142. 1825; Gamble 1878. **Common mistletoe; Hadchur.** Parasitic shrub. Not very common. Endangered.

**70.6.2 V. album** ssp. *meridianum* (Danser) D.G. Long. Notes Roy. Bot. Gard. Edinburgh 40(1): 129.



1982. *V. costatum* Gamble, Bull. Misc. Inform. Kew 1913(1): 46-47. 1913; *V. album* var. *meridianum* Danser, Blumea 4: 274. 1941. **European mistletoe**. Parasitic shrub.

**70.6.3** *V. articulatum* Burm. f., Fl. Ind. 311. 1768. *V. articulatum* var. *dichotomum* (D. Don) Kurz; *V. dichotomum* D. Don (1825), not Bertero ex Sprengel (1824); *V. nepalense* Sprengel. var. *liquidambaricolum* Burm. f., J. Ind. B. S. 36:133. 1957; *Aspidixia articulata* (N. L. Myanmarnn) Tieghem. Parasitic shrub. Least concern.

**70.6.4** *V. attenuatum* DC. Prodr. 4: 284. 1830; Gamble 1878 (Unresolved). *Aspidixia attenuata* Tiegh. Bull. Soc. Bot. France 43: 193. 1896. **Hurchu**. Parasitic shrub.

**70.6.5** *V. liquidambaricola* Hayata. Icon. Pl. Formosan. 5: 194-196, f. 71-72 194 1915. *V. articulatum* var. *liquidambaricola* (Hayata) S. Rao; *V. bongariense* Hayata, *V. querci-morii* Hayata. Shrub. Endangered.

**71. LYTHRACEAE** J. St.-Hil., Expos. Fam. Nat. 2: 175. Feb-Apr 1805, nom. cons. (the Loosestrife Family). Genus: 6; Species:11

**71.1** *Cuphea* Adans. ex P. Br.

**71.1.1** *C. procumbens* Ortega, Nov. Pl. Descr. Dec. 17. 1797. *C. procumbens* Cav., Ic. 4: 55, t. 380 (1797); *Parsonia procumbens* (Ortega) A. Heller, Cat. N. Amer. Pl. 5 5. 1898. **Purple star; Sulpa phool**. Herb.

**71.2** *Duabanga* Buch.-Ham.

**71.2.1** *D. grandiflora* (Roxb. ex DC.) Walp.; Repert. 2: 114 (1843). *Lagerstroemia grandiflora* Roxb. ex DC.; *Duabanga sonneratioides* Buch.-Ham.; Tr. Linn. S. 17: 177 (1835); *Leptospartion grandiflorum* (Roxb. ex DC.) Griff. **Dur-kung, Balampath, Lampate, Khokan, Kokun, Samgata**. Tree. Common.

**71.3** *Heimia* Link.

**71.3.1** *H. salicifolia* (Kunth) Link, Enum. Hort. Berol. Alt. 2: 3 1822. *Decodon salicifolius* (Kunth) Kuntze; *Ginoria flava* Moç. & Sessé ex DC.; *Nesaea salicifolia* Kunth; *Nesaea salicifolia* H.B. & K., Nov.Gen.et Sp. 6.192. 1817. **Sinicuichi**. Shrub.

**71.4** *Lagerstroemia* L.

**71.4.1** *L. hirsuta* Willd. Sp. Pl. 2(2): 1178. 1799 (Unresolved). *Adamea hirsuta* Lam. Encycl. 1: 39. 1783; *Murtughas hirsuta* Kuntze. **Crepe Myrtle, Crape Myrtle, Asarephool, Jarul**. Tree. Rare.

**71.4.2** *L. indica* L., Syst. Nat. ed. 10, 2: 1076 (1759). *L. chinensis* Lamarck; *Murtughas indica* (Linnaeus) Kuntze. **Crape Myrtles; Asare**. Shrub or small tree.

**71.4.3** *L. parviflora* Roxb., Pl. Corom. 1: 47, t. 66. 1795 (Unresolved). **Ashare, Buradhoyaro, Borderi, Bhot Dhaiyanro, Kunhil-kung, Sidha**. Tree. Common.

**71.4.4** *L. speciosa* (L.) Pers., Syn. Pl. 2:72. 1806. *L. flosreginae* Retz. **Pride of India, Queen's flowers, Queen crape myrtle, Jarul**. Tree. Common.

**71.5** *Rotala* Linn

**71.5.1** *R. ordata* Koehne, Bot. Jahrb. Syst. 1: 172. 1880. *R. diversifolia* Koehne. AH.

**71.5.2** *R. mexicana* Cham. & Schltld.; Linnaea 5: 567 (1830). *R. mexicana* var. *spruceana* (Bentham) Koehne; *R. pusilla* Tulasne; *R. verticillaris* Linnaeus var. *spruceana* (Bentham) Hiern. *Ammannia mexicana* (Chamisso & Schlechtendal) Baillon; *Hypobrichia pruceana* Benth. AH. Common.

**71.5.3** *R. rotundifolia* (Buchanan-Hamilton ex Roxburgh) Koehne, Bot. Jahrb. Syst. 1: 175. 1880. *Ammannia rotundifolia* Buchanan-Hamilton ex Roxburgh, Fl. Ind. 1: 446. 1820; *A. subspicata* Benth. **Ambapate jhar**. AH or PH.

**71.6** *Woodfordia* Salisb.

**71.6.1** *W. fruticosa* (L.) Kurz, ; J. As. S. Beng. 40(2): 56. 1871; Hook. f., Fl. Brit. India 2: 572. 1879. *Woodfordia floribunda* Salisb. Parad. Lond. t. 42. 1806. *Lythrum fruticosum* L., Syst. Nat., ed. 10, 2: 1045. 1759; *Grislea punctata* Buchanan-Hamilton ex Smith; *L. hunteri* Candolle. **Fire flame bush, Red Bell bush; Ras dhainyaro, Dhainyaro; Darsing; Chyuhuwa; Dhaiyar; Dhurseli**. AH or PH.

**72. MAGNOLIACEAE** Juss., Gen. Pl.: 280. 4 Aug 1789, nom. cons. (the Magnolia Family); Chaudhuri 1993. Genus: 2; Species:15

**72.1** *Liriodendron* Linn.

**72.1.1** *L. tulipifera* L., Sp. Pl. 535. 1753. **Tulip tree; Yellow Poplar**. Tree.

**72.2** *Magnolia*

**72.2.1** *M. campbellii* Hook. f. & Thomson, Fl. Ind. 1: 77 (1855); in Fl. Br. Ind. 1: 41 (1872); Gamble 1878; Ghosh & Saha 2013. **Campbell's Magnolia, Ghoge Champ, Lal Champ, Sagok, Sigumgrip, Pendder, Purbeli Chanp**. Tree. Common.

**72.2.2** *M. cathcartii* (Hook. f. & Thoms.) Noot. Blumea 31: 88. 1985. *Alcimandra cathcartii* (Hook.f. & Thomson) Dandy; *Michelia cathcartii* Hook. f. & Thoms. Fl. Ind. 1: 79 1855; *M. gustavii* King; *Sampacca cathcartii* (Hook.f. & Thomson) Kuntze). **Kala champ, Atok-dung, Titey Champ; Gokdum**. Tree. Common. Rare above 2,000m.

**72.2.3** *M. champaca* (L.) Baillon ex Pierre, Fl. Forest. Cochinch. t. 3 1880; *Michelia champaca* L., Sp. Pl. 1: 536. 1753; Roxb., Fl. Ind. 2: 656. 1832; Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 42. 1872. **Golden champak; Champ, Aule-Champ; Oulia Champ; Sun chanp**. Tree. Rare.

**72.2.4** *M. doltsopa* (Buchanan-Hamilton ex DC) Figlar, Proc. Int. Symp. Magnoliac. 21. 2000. *M. excelsa* Wall, Tent. Fl. Nepal. 5. 1824. *Michelia doltsopa* Buch.-Ham. ex DC., Syst. Nat. 1: 448. 1817; *M. excelsa* (Wall.) Blume ex Wall., Cat. 220, n. 6494. 1832. (Gamble's list); *Michelia calcuttensis* P. Parmentier; *M. manipurensis* G. Watt ex Brandis, Indian Trees 8. 1906; *M. wardii* Dandy; *Sampacca excelsa* (Wallich) Kuntze.; Tent. Fl. Nap. 5, t. 2 (1824). *Michelia excelsa* (Wall.) Blume ex Wall., Cat. 220, n. 6494. 1832. *Sampacca excelsa* (Wall.) Kuntze, Rev. Gen. Pl. 1: 6 (1891). **White magnolia, Temple magnolia; Bara Champ; Mithey champ; Rani champ, Seto or Safed Champ; Singugrip; Gok**. Tree. Less common.

**72.2.5** *M. globosa* Hook. f. & Thomson, Fl. Ind. 1: 77 (1855); in Fl. Br. Ind. 1: 41 (1872); Gamble 1878. **Kokre champ**. Tree.

**72.2.6** *M. grandiflora* L., Syst. Nat., ed. 10. 2: 1802. 1759; Herklots in J. RHS. 89: 295 (1964); Dandy in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 25 (1979); *M. obovata* Thunb. **Bull bay, Andachampa, Himchampa, Champa, Rukh kamal**. Tree.

**72.2.7** *M. hodgsonii* (Hook.f.& Thoms.) H. Keng, Gard. Bull. Singapore 31: 129. 1978. *M. liliifera* (L.) Baill. var. *obovata* (Korth.) Govaerts; *Talauma hodgsonii* Hook.f. & Thomson, Fl. Ind. 1: 74. 1855, Gamble 1878. **Bhalukath, Patpatta, Harré, Siffukung**. Tree. Rare.

**72.2.8** *M. kingii* (Dandy) Figlar, Proc. Int. Symp. Magnoliac. 22. 2000. *Michelia kingii* Dandy, J. Bot. 66: 32. 1928. **Ban champ**. Tree. Not common.

**72.2.9** *M. kisopa* (Buch.-Ham. ex DC.) Figlar Proc. Int. Symp. Magnoliac. 22 2000. *M. kisopa* Buch.-Ham. ex DC., Syst. Nat. 1: 448. 1817. **Ban champ**. Tree.

**72.2.10** *M. lanuginosa* (Wall.) Figlar & Noot., Blumea 49: 96 2004. *M. velutina* (DC.) Figlar, Proc. Int. Symp. Magnoliac. 1: 23 (2000), nom. illeg. *Michelia velutina* DC., Prodr. 2: 79. 1824 (Chaudhuri 1992); *M. lanuginosa* Wall., Tent. Fl. Nepal. 8. 1824, Gamble's list; *Sampacca lanuginosa* (Wall.) Kuntze, Revis. Gen. Pl.: 6. 1891. **Phusre, Gogay champ, Phusrey champ, Iguay Champ**. Tree. Less common.

**72.2.11** *M. liliflora* Desr. Encycl. 3: 675. 1792. **Egg magnolia; Lily magnolia; Purple magnolia**. Shrub.

**72.2.12** *M. montana* (Blume) Figlar, Proc. internat. symp. fam. Magnoliac. 23. 2000 ("1998"). *Michelia montana* Blume. Verh. Batav. Genootsch. Kunsten ed. 2, 9: 153. 1823. Tree. Rare.

**72.2.13** *M. oblonga* (Wall. ex Hook.f. & Thomson) Figlar, Proc. Internat. Symp. Fam. Magnoliac. 1998 23 (2000). *Michelia oblonga* Wall. ex Hook. f. & Thoms.; *M. punduana* Hook. f. & Thoms. *Sampacca oblonga* (Wall. ex Hook.f. & Thomson) Kuntze. Shrub. Sporadic. Rare.

**72.2.14** *M. pterocarpa* Roxb., Pl. Corom. 3: 62, t. 266. 1820. *M. sphenocarpa* Wall. ex Hook. f. & Thomson, Fl. Br. Ind. 1: 41. 1872. **Patpate, Champ**. Tree. Common.

**73. MALPIGHIACEAE** Juss., Gen. Pl.: 252. 4 Aug 1789, nom. cons. (the Barbados cherry Family). Genus: 2; Species:6

**73.1** *Aspidopterys* Juss.

**73.1.1** *A. glabriuscula* A. Juss., Ann. Sci. Nat., Bot., sér. 2. 13: 267. 1840. *A. heterocarpa* J. Arènes. Liana.

**73.1.2** *A. indica* (Willd.) W. Theob. Burmah ed. 3, 2: 599. 1883. *A. roxburghiana* Juss., Ann. Sci. Nat., Bot. 2, 13: 267. 1840 (Gamble's list); *Hiraea indica* (Willd.) Roxb. Pl. Coromandel 2: 32. 1802; *Triopterys indica* Willd. Sp. Pl. 2: 744. 1799. **Shubung-lara, Munkuknyok**. SC.

**73.1.3** *A. nutans* (Roxb. ex DC.) Juss., Ann. Sci. Nat. ser. 2, B, 13: 267. 1840; Hook. f. Fl. Brit. India 1: 421.1874; Gamble 1878. *A. lanuginosa* (Wallich) A.

Jussieu; *Hiraea nutans* Roxburgh ex Candolle, Prodr. 1: 585. 1824; *Hiraea lanuginosa* Wallich. **Shubung-lara, Simplútrik**. Shrub. Less common.

**73.1.4** *A. wallichii* Hook.f. in Fl. Brit. India 1: 421. 1874. SC. Less common.

**73.2** *Hiptage* Gaertn.

**73.2.1** *H. benghalensis* (L.) Kurz, J. As. S. Beng. 43, 2: 136. 1874.; For. Fl. Myanmar 1:173. 1877. *H. javanica* Blume; *H. madablota* Gaertner, nom. illeg. superfl.; *H. obtusifolia* (Roxburgh) Candolle; *H. parvifolia* Wight & Arnott.; *H. benghalensis* var. *benghalensis*; *Banisteria benghalensis* Linnaeus, Sp. Pl. 1: 427. 1753; *B. tetraptera* Sonnerat; *Gaertnera obtusifolia* Roxburgh; **Charpate laharo**. Liana. Less common.

**73.2.2** *H. madablota* Gaertn., Fruct. Sem. Pl. 2: 169. 1790; Gamble 1878 [unresolved]. **Clustered Hiptage; Madhabilita; Saempati; Tungchirrik**. Liana.

**74. MALVACEAE** Juss., Gen. Pl.: 271. 4 Aug 1789, nom. cons. (the mallow/cotton family). Genus: 22; Species:49

**74.1** *Abelmoschus* Medik.

**74.1.1** *A. moschatus* Medik, Malvenfam. 46 1787. *A. abelmoschus* (L.) H. Karst.; *Hibiscus abelmoschus* L. **Musk Mallow, Musk okra, Ambrette, Musky-seeded hibiscus, Tropical jewel hibiscus, ornamental okra, annual hibiscus; kalkasturi, latakasturi, mushakdan**. PH.

**74.2** *Abroma* Jacq.

**74.2.1** *A. augusta* (L.) L.f., Suppl. Pl. 341. 1781 ('Ambroma'); Mast. in Hook. f., Fl. Brit. Ind. 1: 375. 1874; Gamble 1878; Basnet 2005. *A. mollis* DC. 1824; *Theobroma augusta* L. **Devil's cotton; Sanukapashi, Shringraj, Tanglu-kung, Ulatkambal; Pivari, Pisach-kar pas**. Shrub. Sparse.

**74.3** *Abutilon* Mill.

**74.3.1** *A. indicum* (L.) Sweet, Hort. Brit. 1: 54. 1826; Chaudhuri 1993. *A. asiaticum* (Linnaeus) Sweet; *A. cavaleriei* H. Léveillé; *A. cysticarpum* Hance ex Walpers; *A. indicum* var. *populifolium* (Lamarck) Wight & Arnott; *A. populifolium* (Lamarck) G. Don; *Sida indica* Linnaeus, Cent. Pl. 2: 26. 1756; *S. asiatica* Linnaeus; *S. populifolia* Lamarck. **Country Mallow, Indian abutilon, Indian lantern flower, Indian mallow, Monkey bush, Twelve o'clock flower, Flowering Maples, Chinese Bell-flowers, Potari**. AH or PH.

**74.3.2** *A. megapotamicum* (A. Spreng.) A. St.-Hil. & Naudin in Ann. Sci. Nat. Bot., ser. 2 18: 49. 1842. *A. inflatum*, *A. vexillarium*, *Periptera megapotamica*, *Sida megapotamica* Spreng, Fl. Hal. Tent.: 19. 1806. **Trailing abutilon**. Shrub.

**74.4** *Bombax* L.

**74.4.1** *B. ceiba* L., Sp. Pl. 1: 511. 1753. *Bombax malabaricum* DC.; *Gossampinus malabarica* (Candolle) Merrill; *Salmalia malabarica* (Candolle) Schott & Endlicher. **Red silk-cotton; Pemageyer shing, Simal, Simul, Sungloo-kung, Tula**. Tree. Sparse.

**74.5** *Byttneria* Loefl. [(nom. cons.)]

- 74.5.1 *B. aspera*** Collebr. ex Wall., Fl. Ind. 2: 383. 1824; Wall., Cat. 31, n. 1143. 1829; Mast. in Fl. Br. Ind. 1: 377. 1874; Gamble 1878; Banerji in J. Bombay Nat. Hist. S. 51: 785. 1953. *B. grandifolia* DC., Prodr. 1: 486. 1824; Whitmore in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 69. 1979; Malick in Sharma & Sanjappa (eds), Fl. India 3: 410. 1993. **Nalgi**. SC.
- 74.5.2 *B. pilosa*** Roxb., Fl. Ind. 2: 381. 1824; Mast. in Hook. f., Fl. Brit. Ind. 1: 377. 1874; Gamble 1878; Malick in Sharma & Sanjappa (eds), Fl. India 3: 414. 1993. *Byttneria elegans* Ridley, J. Straits Roy. Asiat. Soc. 57: 25. 1911; *B. pilosa* var. *pellita* Gagnepain. **Sali-lara**. Shrub or climber.
- 74.6 *Dombeya* Lam.**
- 74.6.1 *D. burgessiae*** Gerrard ex Harv. & Sond., Fl. Cap. 2: 590. 1862. *D. mastersii* Hook.f., Bot. Mag.t. 5639. 1867; *D. angulata* auct. non Cav., Masters in Gard. Chron. 14. 1867. **Pink wild pear**. Shrub.
- 74.7 *Eriolaena* DC.**
- 74.7.1 *E. wallichii*** DC Mém. Mus. Hist. Nat. 10: 102. 1823. Large shrub or small tree.
- 74.8 *Firmiana* Marsili.**
- 74.8.1 *F. colorata*** (Roxb.) R.Br. in Benn. & R. Br., Pl. Jav. Rar.: 235. 1844; Blatter & Millard, Beaut. Ind. Tr. ed.2. 79. 1954; Malick in Sharma & Sanjappa (eds), Fl. India 3: 420. 1993. *Erythropsis colorata* (Roxb.) Burkill in Straits Settlements Gard. Bull. 5: 231. 1931; *Sterculia colorata* Roxb., Pl. Coast Corom. 1: 26. t.25. 1795 (Gamble's list); Fl. Ind. ed. Carey 3: 146. 1832; Masters in Hook.f.Fl.Brit.Ind.1: 359. 1874. **Phirphiri; Kanhlyem-kúng**. Tree.
- 74.9 *Grewia* L.**
- 74.9.1 *G. arborea*** (Forssk.) Lam., Encycl. Méth. Bot. 3: 45. 1789. *G. excelsa* Vahl, Symb. B. 35. 1790 (Gamble's list). Shrub or small tree.
- 74.9.2 *G. asiatica*** L., Mant. 1:122. 1767. *G. subinaequalis* DC., Prodr. 1:511. 1924. Falsa; Siyal Phusre. Large shrub or small tree.
- 74.9.3 *G. eriocarpa*** Juss., Ann. Mus. Natl. Hist. Nat. 4: 93. 1804. Large shrub or small tree. Less common.
- 74.9.4 *G. hirsuta*** Vahl, Symb. B. 1: 34. 1791; Hook. f., Fl. Brit. India 1: 391. 1874. **Kukurbicha**. Shrub or small tree.
- 74.9.5 *G. laevigata*** Vahl., Symb. Bot. 1: 34. 1790; Gamble 1878. *G. bracteata* Mast. in Hook.f., Fl. Brit. India 1: 389. 1874, p.p., non Heyne ex Roth 1821; P. Daniel & M. Chandra. in B.D. Sharma & Sanjappa, Fl. India 3: 495. 1993. **Two-lobed Crossberry; Dansagla**, Shrub or small tree.
- 74.9.6 *G. multiflora*** Jussieu, Ann. Mus. Natl. Hist. Nat. 4: 89. 1804. Blanco, Fl. Filip., ed. 2: 309. 1845; Gamble 1878. *G. didyma* Roxburgh ex G. Don; *G. disperma* Rottler ex Sprengel; *G. glabra* Blume; *G. jinghongensis* Y. Y. Qian; *G. serrulata* Candolle. **Pharsa, Nilay**. Tree.
- 74.9.7 *G. oppositifolia*** Roxb. ex DC, Prodr. 1: 509. 1824. Hook. f., Fl. Brit. India 1: 384. 1874; P. Daniel & M. Chandra. in B.D. Sharma & Sanjappa, Fl. India 3: 503. 1993. *G. carpinifolia* Roth, Nov. Pl. Sp. 245. 1821, p.p.; *G. emarginata* Wight & Arn., Prodr. 79. 1834; Hook. f., Fl. Brit. India 1: 384. 1874; *G. orientalis* Roxb. ex Wight & Arn. **Taglar**. Small tree.
- 74.9.8 *G. optiva*** J.R. Drumm. ex Burret., Notizbl. Bot. Gart. Berlin-Dahlem 9: 692. 1926. *G. oppositifolia* auct. non DC., Prodr. 1: 509. 1824. Buch.-Ham. ex D. Don, Prodr. Fl. Nepal. 227. 1825; Wight, l.c. t. 82. 1840; Roxb., Fl. Indica 2:583. 1832; Roxb. ex Masters in Hook. f., Fl. Brit. Ind. 1:384. 1874; Stewart & Brandis, For. Fl. 37. 1874; Brandis, Ind. Trees 95. 1906; *G. abulitifolia* Juss. **Bhimal, Shyal fusray**. Small tree.
- 74.9.9 *G. polygama*** Roxb., Fl. Ind. ed. 2: 558. 1832. **Danbangla**. Small tree.
- 74.9.10 *G. sapida*** Roxb. ex DC., Prodr. 1: 512. 1824; Roxb., Fl. Ind. 2:590. 1832; Masters in Hook. f., Fl. Brit. Ind. 1:387. 1874; Gamble 1878. **Phalsa-Tenga; Pharsa; Kuail, Taglar-kúng**. Small shrub. Common.
- 74.9.11 *G. sclerophylla*** Roxb. ex G. Don, ; Gen. Syst. 1: 550. 1831. *G. scabrophylla* Roxb., Fl. Ind. ed. 2, 2: 584. 1832 (Gamble's list). **Phalsa**. Low tree or shrub.
- 74.9.12 *G. serrulata*** DC., Prodr. 1: 510. 1824. *G. disperma* Rottler ex Spreng., Syst. Veg. 2: 579. 1825; *G. imultiflora* Juss. **Chiple, Kuail, Dangtaglar**. Small tree.
- 74.10. *Helicteres* L.**
- 74.10.1 *H. elongata*** Wallich ex Boj. in Hort. Maurit.: 35. 1837; Masters in J. D. Hooker, Fl. Brit. India 1: 365. 1874; Malick in Sharma & Sanjappa (eds), Fl. India 3: 425. 1993. *H. plebeja* Kurz, J. Asiat. Soc. Beng. 39(2): 67. 1870; Mast. in Hook. f., Fl. Brit. Ind. 1: 366. 1874; *H. glabriuscula* Wall. ex Mast. in Fl. Brit. Ind. 1: 366. 1874. Shrub.
- 74.10.2 *H. hirsuta*** Lour., Fl. Cochinch. 2: 530. 1790. Shrub.
- 74.11 *Hibiscus* L.**
- 74.11.1 *H. fragrans*** Roxb. (Hort. Beng. 97. 1814, nom. nud.) Fl. Ind. 3: 195. 1832; Masters in Hooker f., Fl. Brit. India 1: 337. 1874. Liana. Endangered.
- 74.11.2 *H. scandens*** Roxb., Fl. Ind. ed. 3: 200. 1832; Gamble 1878 (unresolved). **Snake vine**. SC.
- 74.11.3 *H. surattensis*** L., Sp. Pl. 2: 696. 1753. *Furcaria surattensis* (Linnaeus) Kosteletzky. **Bush sorrel, Wild sour**. AH.
- 74.12 *Kydia* Roxb.**
- 74.12.1 *K. calycina*** Roxb., Pl. Coromandel. 3: 11. 1811. *K. fraterna* Roxburgh; *K. roxburghiana* Wight. **Chamaktangshing, Kubindé, Mahow, Pichala, Sedangtag-lar, Dansasiyok, Bon Kapas**. Tree. Less common.
- 74.13 *Malva* L.**
- 74.13.1 *M. neglecta*** Wallroth, Sylloge Plantarum Novarum 1: 140. 1824. **Common or Dwarf Mallow**. AH.
- 74.13.2 *M. parviflora*** L., Demonstr. Pl. Ups. prop. Hoyer 18 (1753); in L., Amoen. Acad. 3: 416 (1756). *M. microcarpa* Desf., *M. rotundifolia* Auct. **Small-flowered mallow, cheeseweed mallow, little mallow, marshmallow**. AH.
- 74.14 *Nayariophyton* T.K. Paul**
- 74.14.1 *N. zizyphifolium*** (Griff.) Long & Miller, Edinburgh J. Bot. 47(3): 357. 1990. *Kydia zizyphifolia* Griffith, Itin. Pl. Khasyah Mts. 108. 1848; *Dicellostyles jujubifolia* (Griffith) Benth. in Benth. & Hook. f. Gen Pl. 1: 207. 1862; Masters in Hook. f. Fl.

Brit. Ind. 1: 333. 1874 (Gamble's list 1878); *D. zizyphifolia* (Griffith) Phuphathanaphong; *K. jujubifolia* Griffith; *Nayariophyton jujubifolium* (Griffith) T. K. Paul. Bot. Jahrb. Syst. 110(1): 43. 1988. **Kubindé, Dansaiyok, Dantaglar.** Tree.

#### 74.15 *Pterospermum* Schreber.

**74.15.1 *P. acerifolium*** (L.) Willdenow, Sp. Pl. 3: 729. 1800; Mast. in Hook. f., Fl. Brit. Ind. 1: 368. 1874; Malick in Sharma & Sanjappa (eds), Fl. India 3: 448. 1993. *Pentapetes acerifolia* L., Sp. Pl.: 698. 1753. **Hattipaila, Kanakchampa, Singane.** Tree. Rare.

#### 74.16 *Pterygota* Schott et Endl.

**74.16.1 *P. alata*** (Roxburgh) R. Brown in Benn., Pl. Jav. Rar. 234. 1834; Malick in Sharma & Sanjappa (eds), Fl. India 3: 455. 1993. *P. roxburghii* Schott & Endlicher, nom. illeg. superfl. *Sterculia alata* Roxburgh, Pl. Coromandel 3: 84. 1811 ["1819"]; Fl. Ind. ed. Carey 3: 152 (1832); Mast. in Hook. f., Fl. Brit. Ind. 1: 360 (1874) (Gamble's list). **Badam.** Tree. Not common.

#### 74.17 *Reevesia* Lindl.

**74.17.1 *R. pubescens*** Masters in J. D. Hooker, Fl. Brit. India. 1: 364. 1874; Gamble 1878. **Kala boeri.** Tree. Rare.

**74.17.2 *R. wallichii*** R. Br. Pl. Jav. Rar. (Bennett) 3: 231, in adnot. 1844 [Nov 1844](Unresolved). *Sterculia punduana* Wall. Numer. List 2701. 1831. Shrub or tree.

#### 74.18 *Sida* L.

**74.18.1 *S. acuta*** Burm. f., ; Fl. Ind. 147. 1768. *S. acuta* subsp. *carpinifolia* (Linnaeus f.) Borssum Waalkes; *S. acuta* var. *carpinifolia* (Linnaeus f.) K. Schumann; *S. acuta* var. *intermedia* S. Y. Hu; *S. bodinieri* Gandoger; *S. carpinifolia* Linnaeus f.; *S. carpinifolia* var. *acuta* (N. L. Myanmar) Kurz; *S. chanetii* Gandoger; *S. lanceolata* Retzius; *S. scoparia* Loureiro; *S. stauntoniana* Candolle. syn. *S. carpinifolia* (Linn) sensu Masters in Hook. f. (1874), auct non Linn. f. Plate 306. *Malvastrum carpinifolium* (Linnaeus f.) A. Gray. **Khareto; Balu Jhar Kureta.** AH. Common.

**74.18.2 *S. rhombifolia*** L., Sp. Pl. 2: 684. 1753. *Malva rhombifolia* (L.) E.H.L. Krause, Deutschl. Fl. (ed. 2) 6: 238. 1901; *S. retusa* L. 1763; *S. rhomboidea* Roxb. ex Fleming, Asiat. Res. 11: 178 1810. **Arrowleaf sida, Balu, Lal berela.** PS. Abundant.

**74.18.3 *S. spinosa*** L., Sp. Pl. 2: 683. 1753 ; Hook. f., Fl. Brit. India 1: 323. 1874; T.K. Paul in B.D. Sharma & Sanjappa, Fl. India 3: 292. 1993. *Malva spinosa* E.H.L. Krause, Deutschl. Fl. (ed. 2) 6: 237. 1902; *Malvinda spinosa* (L.) Medik., Malvenfam. 23. 1787. **Prickly Mallow, Spiny Sida; Bon methi.** AH. Less common.

#### 74.19 *Sterculia* L.

**74.19.1 *S. coccinea*** Jack., Malayan Misc. 1(1): 20 1820; Gamble 1878 (unresolved). *S. lanceolata* var. *coccinea*, *Sterculia hamiltonii*. **Katiorkúng.** Shrub or small tree.

**74.19.2 *S. hamiltonii*** (Kuntze) Adelb. in Backer, Bekn. Fl. Java 4b(107): 23. 1944 (Unresolved); Whitmore in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 70. 1979; Malick in Sharma & Sanjappa (eds),

Fl. India 3: 464. 1993. *S. coccinea* Roxb. [Hort. Beng. : 50. 1814. nom. nud], Fl. Ind. ed. Carey 3: 151. 1832 non Jack (1822); Mast. in Hook. f., Fl. Brit. Ind. 1: 357. 1874. *S. indica* Men., J. Ann. Arb. 33: 245. 1952. *Clompanus hamiltonii* O. Kuntze, Rev. Gen. Pl. 1: 77. 1891. **Shrub Sterculia, Scarlet Shower.** Small tree.

**74.19.3 *S. kingii*** Prain (Unresolved). J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 73: 192 1904.

**74.19.4 *S. pallens*** Wall. ex Hochr., Bull. Inst. Bot. Buitenzorg 19: 22. 1904; Gamble 1878 (unresolved). **Kaphal-kúng.** Tree.

**74.19.5 *S. villosa*** Roxb., Hort. Beng. 50. 1814, nom. nud.; Fl.Ind. ed. Carey 3:153.1832; Masters in Hook.f., l.c. 1: 355. 1874; Malick in Sharma & Sanjappa (eds), Fl. India 3: 472 (1993). *S. armata* Mast. in Hook. f., Fl. Brit. Ind. 1: 357. 1874. **Udal, Godgudal, Phrangshing, Kunhlyem-kúng.** Tree. Common.

#### 74.20 *Thespesia* Sol. ex Corrêa

**74.20.1 *T. lampas*** (Cav.) Dalzell & A. Gibson, Bombay Fl. 19. 1861; Gamble 1878. *Hibiscus lampas* Cavanilles, Diss. 3: 154. 1787; Azanza lampas (Cav.) Alef., ; B. Zeit. 19: 298 (1861). *Bupariti lampas* (Cavanilles) Rothmaler. *Hibiscus lampas* (Cav.). Plate 11, 175, 326. **Kaphalmúk, Ranbhendy, Bankapas.** Shrub.

#### 74.21 *Triumfetta* L.

**74.21.1 *T. annua*** L., Syst. Nat., ed. 12, 2: 327; Mant. Pl. 1: 73. 1767; Masters in Hook. f., l.c. 396. AH.

**74.21.2 *T. bogotensis*** DC., Prodr. 1: 506. 1824. *T. pilosa* Roth, Nov. Pl. Ind. Or. 223. 1821. Masters in Hook. f., l.c. 394. 1874. **Dalle kuro.** PH.

**74.21.3 *T. cana*** Blume, Bijdr. 126. 1825; Masters in Fl. Brit. Ind. 1: 396. 1874. *T. tomentosa* var. *calvescens* Franchet. *T. tomentosa* Boj., Hort. Maurit. 43. 1837, nom. nud. Herb or subshrub.

**74.21.4 *T. rhomboidea*** Jacq., Enum. Pl. Carib. 1760. DC., l.c. 507; Masters in Hook. f., Fl. Brit. Ind. 1:395. 1874. *T. angulata* Lamarck; *T. bartramii* Linnaeus, nom. illeg. superfl.; *T. indica* Lamarck; *T. trilocularis* Roxburgh; *T. velutina* Vahl. *Bartramia indica* Linnaeus; **Burr bush, Chinese Burr, Diamond Burrbark; Bon okhra.** Herb or US.

#### 74.22 *Urena* L.

**74.22.1 *U. lobata*** L., Sp. Pl. 2: 692. 1753. *U. diversifolia* Schumacher; *U. lobata* var. *tomentosa* (Blume) Walpers; *U. monopetala* Loureiro; *U. palmata* Roxb. 1832; *U. tomentosa* Blume. **Nalu kuro; Bhendichirchut, Ban Okra.** AH. Abundant.

**74.22.2 *U. repanda*** Roxb. ex Smith in Rees, Cycl. 37: Urena no. 6. 1819. *Malache repanda* (Roxburgh ex Smith) Kuntze; *Pavonia repanda* (Roxb. ex J.E. Sm.) Spreng. **Repand-leaved urena.** PH.

**75. MELASTOMATACEAE** Juss., Gen. Pl.: 328. 4 Aug 1789, nom. cons. (the Melastoma Family). Genus: 7; Species:17

#### 75.1 *Medinilla* Gaudich.

**75.1.1 *M. himalayana*** Hook.f. ex Triana, Trans. Linn. Soc. London. 28: 88. 1871. *M. luchenensis* C. Y. Wu & C. Chen. Shrub. Epiphytic.

- 75.1.2 *M. rubicunda*** (Jack) Blume, Flora 14: 512. 1831. *M. erythrophylla* Wall. ex Lindl.; B. Reg. 24: Misc. 85 (1838). Shrub. Epiphytic. Not common.
- 75.2 *Melastoma* Blume**
- 75.2.1 *M. malabathricum*** L., Sp. Pl. 2: 390. 1753, '*malabathrica*'. D. Don in B. Reg. 8: t. 672. 1822. *M. affine* D. Don; *M. candidum* D. Don; *M. cavaleriei* H. Léveillé & Vaniot; *M. esquirolii* H. Léveillé; *M. malabathricum* subsp. *normale* (D. Don) K. Meyer; *M. normale* D. Don, Prodr. Fl. Nep. 220. 1825, '*normalis*'. C. B. Clarke in Fl. Br. Ind. 2: 524. 1879; *M. polyanthum* Blume; *M. royenii* Blume 1831. **Indian Rhodendron; Angeri, Choulisy, Shapti, Tungbram, Tunka.** Shrub. Common.
- 75.3 *Osbeckia* L.**
- 75.3.1 *O. chinensis*** L., Sp. Pl. 1: 345. 1753. *O. chinensis* var. *chinensis* L.; *O. kainantensis* Masamune.; *O. chinensis* var. *angustifolia* (D. Don) C.Y. Wu & C. Chen, Fl. Yunnan. 2: 80. 1979; *O. angustifolia* D. Don, Prodr. Fl. Nepal. 221. 1825. PH or shrub.
- 75.3.2 *O. crinita*** Benth. ex C.B. Clarke, Fl. Brit. India 2: 517. 1879. **Chulasi, Number.** Shrub. Less common.
- 75.3.3 *O. darjeelingensis*** G.S. Giri & M.P. Nayar, Bull. Bot. Surv. India 25(1–4): 241. (1983, publ. 1985) 1985 (Unresolved). Shrub or herb.
- 75.3.4 *O. muralis*** Naud., Ann. Sc. Nat. Ser. 3.14: 56. 1850. *O. truncata* D. Don ex Wight & Arn. Prodr. 332, 2834. P.p. nom. illeg.; Gamble 1: 494. 1919. Herb. Rare.
- 75.3.5 *O. nepalensis*** Hook.f., Exot. Fl. 1: t. 31. 1823; Wall., Cat. 143, n. 4061. 1831. *O. nepalensis* var. *nepalensis*. **Angeri, Seto chulsi.** PH. Common.
- 75.3.6 *O. nutans*** Wall. ex C. B. Clarke, Fl. Br. Ind. 2: 521. 1879. Shrub. Common.
- 75.3.7 *O. stellata*** Buch.-Ham. ex Ker Gawl, Bot. Reg. 8: t. 674. 1822; Prodr. Fl. Nep. 221. 1825. *Melastoma mairei* H. Léveillé; *Osbeckia crinita* Benth. ex Naudin; *O. crinita* var. *yunnanensis* Cogniaux; *O. mairei* (H. Léveillé) Craib; *O. pipara* C. Y. Wu & C. Chen; *O. paludosa* Craib; *O. pulchra* Geddes; *O. rhopalotricha* C. Y. Wu; *O. rostrata* D. Don, Prodr. Fl. Nep. 221. 1825; *O. robusta* Craib; *O. sikkimensis* Craib; *O. stellata* var. *crinita* (Benth. ex Naudin) C. Hansen; *O. yunnanensis* Franchet ex Craib. **Lal Angeri, Rato chulsi.** Shrub. Common.
- 75.4 *Oxyspora* DC.**
- 75.4.1 *O. paniculata*** (D. Don) DC., Prodr. 3: 123. 1828. *Arthrostemma paniculatum* D. Don, Mem. Wern. Nat. Hist. Soc. 4: 299. 1823; *Bredia soneriloides* H. Léveillé. **Bristletips, Chulesi.** Shrub. Common.
- 75.5 *Sarcopyramis* Wall.**
- 75.5.1 *S. napalensis*** Wall., Tent. Fl. Nap. 32, t. 23 1824; Cat. 144, n. 4088. 1831. *S. dielsii* Hu; *S. lanceolata* Wallich ex Bennett; *S. napalensis* var. *maculata* C. Y. Wu. PH.; *Phyllagathis chinensis* Dunn.
- 75.6 *Sonerila* Roxb.**
- 75.6.1 *S. amabilis*** Kurz., J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40(1): 53. 1871 (Unresolved). Herb.
- 75.6.2 *S. erecta*** Jack, Malayan Misc. 1(5): 7 7 1820. *S. tenera* Royle, Ill. B. Him. t. 45, f. 2. 1834; 215. 1835. **Erect Sonerila.** Herb.
- 75.6.3 *S. kurzii*** C.B. Clarke Fl. Brit. India [J. D. Hooker] ii. 539 (Unresolved). Herb.
- 75.6.4 *S. scapigera*** Dalzell London J. Bot. 7: 672 1848. AH.
- 75.7 *Tibouchina* Aublet.**
- 75.7.1 *T. semidecandra*** (Mart. & Schrank ex DC.) Cogn. Fl. Bras. 14(3): 309. 1885. *Lasiandra semidecandra* Mart. & Schrank ex DC. Prodr. 3: 129. 1828; *Pleroma semidecandrum* (Mart. & Schrank ex DC.) Triana, Trans. Linn. Soc. London, Bot. 28(1): 41. 1871. **Purple glory tree, Princess flower.** Shrub. Abundant.
- 76. MELIACEAE** Juss., Gen. Pl.: 263. 4 Aug 1789, nom. cons. (the Mahogany Family). Genus: 12; Species: 16
- 76.1 *Aglaia* Lour.**
- 76.1.1 *A. spectabilis*** (Miquel) S.S. Jain & Bennet, Indian J. Forest. 9: 271. 1987. *Amoora spectabilis* Miquel, Ann. Mus. Bot. Lugduno-Batavi 4: 37. 1868. **Lali.** Tree. Less common.
- 76.2 *Aphanamixis* Bl.**
- 76.2.1 *A. polystachya*** (Wall.) R. N. Parker, Ind. For. 57: 486. 1931. *Aglaia polystachya* Wallich in Roxburgh, Fl. Ind. 2: 429. 1824; *A. aphanamixis* Pellegrin; *Amoora elmeri* Merrill; *A. grandifolia* (Blume) Walpers; *A. rohituka* (Roxburgh) Wight & Arnott; *Andersonia rohituka* Roxburgh; *Aphanamixis elmeri* (Merrill) Merrill; *A. grandifolia* Blume; *A. rohituka* (Roxb.) Wight & Arn. Prodr. 119. 1834. **Lahsune.** Tree. Less common.
- 76.3 *Azadirachta* A. Juss.**
- 76.3.1 *A. indica*** A. Juss. Mém. Mus. Hist. Nat. 19: 221 1830. Tree. Planted.
- 76.4 *Chisocheton* Bl.**
- 76.4.1 *C. cumingianus*** (C.DC.) Harms. in Engler & Prantl, Die Natürlichen Pflanzenfamilien 3 (4): 296 (1896). *C. morobeanus* Harms.; *C. paniculatus* Hiern; *C. thorelii* Pierre. **Lasuni, Ramsuntala.** Tree. Less common.
- 76.5 *Chukrasia* A. Juss.**
- 76.5.1 *C. tabularis*** A. Juss., Bull. Sci. Nat. Géol. 23: 241. 1830. *C. tabularis* var. *velutina* (M. Roemer) Pellegrin; *C. velutina* (M. Roemer) C. Candolle; *Dysoxylum esquirolii* H. Léveillé. *Chickrassia nimmonii* J. Graham ex Wight; *C. tabularis* Wight & Arnott; *C. tabularis* var. *velutina* (M. Roemer) King; *C. velutina* M. Roemer; **Bogipoma, Chikrasi.** Tree. Common.
- 76.6 *Cipadessa* Blume**
- 76.6.1 *C. baccifera*** (Roth) Miquel, Ann. Mus. Bot. Lugduno-Batavi. 4: 6. 1868. *C. baccifera* var. *sinensis* Rehder & E. H. Wilson; *C. cinerascens* (Pellegrin) Handel-Mazzetti; *C. fruticosa* Blume; *C. fruticosa* var. *cinerascens* Pellegrin; *C. sinensis* (Rehder & E. H. Wilson) E. Salisbury; *Melia baccifera* Roth, Nov. Pl. Sp. 215. 1821; *Rhus blinii* H. Léveillé. **Ranabili.** Shrub or small tree.
- 76.7 *Dysoxylum* Blume**

**76.7.1 *D. binectariferum*** (Roxb.) Hook.f. ex Bedd., Trans. Linn. Soc. London 25: 212. 1866; Hook. f., Fl. Brit. India 1: 546. 1875; S.S. Jain & S.S.R. Bennet in Hajra et al., Fl. India 4: 486. 1997. *D. macrocarpum* Bedd., Fl. Sylv. t.150.1871. *Guarea binectarifera* Roxb., Fl. Ind. 2:240.1832. **Lassuni amari**. Tree. Less common.

**76.7.2 *D. excelsum*** Blume, Bijdr. 176. 1825. *D. gobara* (Buchanan-Hamilton) Merrill, J. Arnold Arbor. 23: 173 1942; *D. procerum* Hiern, Fl. Br. Ind. 1: 547. 1875; *Epicharis procera* (Hiern) Pierre; *Guarea gobara* Buchanan-Hamilton. **Lhasune**. Tree. Less common.

**76.7.3 *D. mollissimum*** Blume, Bijdr. 175. 1825. *D. hamiltonii* Hiern. Fl. Brit. India 1: 548. 1875; *Hartighsea mollissima* A. Juss. Mém. Mus. Hist. Nat. 19: 228. 1830; *Alliaria mollissima* Kuntze, Revis. Gen. Pl. 1: 109. 1891; *Trichilia mollissima* Spreng. Syst. Veg. 4(2): 252. 1827. **Katletuni**. Tree.

#### **76.8 Heynea Roxb.**

**76.8.1 *H. trijuga*** Roxb. ex Sims, Bot. Mag. 41: t. 1738. 1815. *H. trijuga* var. *microcarpa* Pierre; *H. trijuga* var. *pilosula* C. Candolle; *Trichilia connaroides* (Wight & Arnott) Bentvelzen; *T. connaroides* var. *microcarpa* (Pierre) Bentvelzen; *Walsura trijuga* (Roxburgh) Kurz; *W. trijuga* var. *microcarpa* (Pierre) S. Y. Hu; *Zanthoxylum connaroides* Wight & Arnott. **Ankhatarua**. Tree.

#### **76.9 Melia L.**

**76.9.1 *M. azedarach*** L., Sp. Pl. 1: 384. 1753; Adans., Fam. 2:342. 1763; Gamble 1878. *M. dubia* Cav. Diss. 7: 364. 1789. *Azedarach sempervirens* (L.) O. Kuntze. 1891. **China berry, Bead tree, Pride of India, Persian lilac, Indian lilac, Umbrella tree; Bakaino, Bukayun, Bukainu, Lapshi, Lilac, Jashing, Ngerashing**. Tree.

**76.9.2 *M. composita*** Willd., Sp. Pl. 2: 559. 1799; Gamble 1878 (Unresolved). **White cedar, Hill Neem, Maha Neem, Common Bead tree; Lapshi, Silot-kúng**. Tree.

#### **76.10 Munronia Wight.**

**76.10.1 *M. pinnata*** (Wall.) W. Theobald in Mason, Burmah, ed. 4. 2: 581. 1883. *M. wallichii* Wight, Ill. Ind. B. 1: 147. 1840 (Gamble's list); *Turraea pinnata* Wallich, Pl. Asiat. Rar. 2: 21. 1830. Small shrub.

#### **76.11 Toona Roem.**

**76.11.1 *T. ciliata*** M. Roemer, Fam. Nat. Syn. Monogr. 1: 139. 1846. *Cedrela toona* Roxburgh ex Rottler, Ges. Naturf. Freunde Berlin Neue Schriften 2: 198. 1803; *C. australis* R. Mudie, nom. superfl. (included type of *C. toona*); *C. australis* F. Mueller (1858), not R. Mudie (1829); *C. kingii* C. Candolle; *C. kingii* var. *birmanica* C. Candolle; *C. microcarpa* C. Candolle; *C. mollis* Handel-Mazzetti; *C. toona* var. *gamblei* C. Candolle; *C. toona* var. *haslettii* Haines; *C. toona* var. *latifolia* Miquel ex C. Candolle; *C. toona* var. *multijuga* Haines; *C. toona* var. *nepalensis* C. Candolle; *C. toona* var. *parviflora* Benthams; *C. toona* var. *puberula* C. Candolle; *C. toona* var. *pubescens* Franchet; *C. toona* var. *pubinervis* C. Candolle; *C. toona* var. *stracheyi* C. Candolle; *C. toona* var. *sublaxiflora* C. Candolle; *C. toona* var.

*talbotii* C. Candolle; *C. toona* var. *vestita* C. T. White; *C. toona* var. *yunnanensis* C. Candolle; *Surenus australis* Kuntze; *S. microcarpa* (C. Candolle) Kuntze; *S. toona* (Roxburgh ex Rottler) Kuntze; *Toona australis* (Kuntze) Harms; *T. ciliata* var. *pubescens* (Franchet) Handel-Mazzetti; *T. ciliata* var. *sublaxiflora* (C. Candolle) C. Y. Wu; *T. ciliata* var. *vestita* (C. T. White) Harms; *T. ciliata* var. *yunnanensis* (C. Candolle) Harms; *T. febrifuga* (Blume) M. Roemer var. *cochinchinensis* Pierre; *T. febrifuga* var. *griffithiana* Pierre; *T. febrifuga* var. *ternatensis* Pierre; *T. kingii* (C. Candolle) Harms; *T. microcarpa* (C. Candolle) Harms; *T. mollis* (Handel-Mazzetti) A. Chevalier; *T. sureni* (Blume) Merrill var. *cochinchinensis* (Pierre) Bahadur; *T. sureni* var. *pubescens* (Franchet) Chun. **Indian Mahogany, Tun, Chunshi, Poma, Tooni, Simal-kúng**. Tree. Vulnerable.

**76.11.2 *T. sureni*** (Blume) Merrill, Interpr. Herb. Amboin. 305. 1917. *T. ciliata* M. Roemer var. *candollei* Bahadur; *T. ciliata* var. *grandifoliola* (C. Candolle) Bahadur; *T. ciliata* var. *henryi* (C. Candolle) Harms; *T. febrifuga* (Blume) M. Roemer. *Swietenia sureni* Blume, Catalogus, 72. 1823; *Cedrela febrifuga* Blume; *C. febrifuga* var. *pealii* C. Candolle; *C. febrifuga* var. *verrucosa* C. Candolle, p.p. (as to Forbes 118 and Forbes s.n. from Sumatra); *C. microcarpa* C. Candolle var. *grandifoliola* C. Candolle; *C. sureni* (Blume) Burkill; *C. toona* Roxburgh ex Rottler var. *henryi* C. Candolle; *C. toona* var. *pilistila* C. Candolle; *C. toona* var. *warburgii* C. Candolle; *Surenus febrifuga* (Blume) Kuntze. **Toon, Suren, Indonesian mahogany**. Tree. Rare.

#### **76.12 Walsura Roxb.**

**76.12.1 *W. tubulata*** Hiern. Fl. Brit. India 1: 563. 1875 (Unresolved). **Phalame**. Sporadic to rare.

**77. MENISPERMACEAE** Juss., Gen. Pl.: 284. 4 Aug 1789, nom. cons. (the Moonseed Family) Genus: 8; Species:16

#### **77.1 Aspidocarya Hook.f. & Thomson**

**77.1.1 *A. uvifera*** Hook.f. & Thoms., Fl. Ind. 1: 180. 1855. **Myungarar-rik; Meiyykhyen-rik; Pangla**. Climber.

#### **77.2 Cissampelos L.**

**77.2.1 *C. pareira*** L., Sp. Pl. 2: 1031. 1753. *C. pareira* sensu Hook. f. & Thoms. in Hook. f., Fl. Brit. Ind. 1: 103-4. 1872; *C. pareira* L var. *hirsuta* (Buch.-Ham. ex DC.) Forman, Kew Bull. 22: 356 1968; *C. hirsuta* Buchanan-Hamilton ex Candolle, Syst. Nat. 1: 535. 1817. **Batúlpati, Tamshaprip, Gudurganu Akanadi/Ekleja, Khauchhim, Nampi Heuria**. Climber. Sparse. Vulnerable.

#### **77.3 Cocculus DC.**

**77.3.1 *C. orbiculatus*** (L.) Candolle, Syst. Nat. 1: 523. 1817. *C. mollis* Wall. ex J. D. Hooker & Thomson, Fl. Ind. 1: 193. 1855; *C. orbiculatus* var. *mollis* (Wall. ex Hook.f. & Thomson) H. Hara, Bull. Univ. Mus. Univ. Tokyo. 2 [Fl. E. Himalaya 2nd Rep.]: 35. 1971. **Cocculus Vine**. Climber.

#### **77.4 Cyclea Arnott.**

**77.4.1** *C. barbata* Miers (in Ann. Mag. Nat. Hist. Ser. 3, 18: 19. 1866, nom. nud) Contrib. Bot 3:237. 1871; *C. Peltata* (non Page 229-231 (Lam) Hook. F. & Thoms.) Miq., Fl. Ind. Bat. 1(2): 86. 1858, pro parte; *Cissampelos barbata* Wall., Cat. No. 4978. 1831-32, nom. nud. **Hairy Cyclea**. SC. Common.

**77.4.2** *C. bicristata* (Griff.) Diels. in Engler, Pflanzenr. 46: 317. 1910. *Lophophyllum bicristatum* Griff. **Kwai ial awlaw, likazung, renriang**. SC. Common.

**77.5** *Parabaena* Miers.

**77.5.1** *P. sagittata* Miers, Ann. Mag. Nat. Hist., ser. 2. 7: 39. 1851; ex Hook. f. & Thomson; Fl. Ind. 181. 1855; in Fl. Br. Ind. 1: 96. 1872. **Karpati lahara, Sapor-rik**. Climber. Rare or less common.

**77.6** *Pericampylus* Miers.

**77.6.1** *P. glaucus* (Lam.) Merr., Interpr. Rumph. Herb. Amboin. 219. 1917; Das et al. 2008. *P. formosanus* Diels; *P. incanus* (Colebrooke) J. D. Hooker & Thomson; *P. omeiensis* W. Y. Lien; *P. trinervatus* Yamamoto. *Menispermum glaucum* Lamarck, Encycl. 4: 100. 1797; *Cocculus incanus* Colebrooke; *Coscinium colaniae* Gagnepain. **Dudhe lahara, Pipal-pati lahara**. SC. Common.

**77.7** *Stephania* Lour.

**77.7.1** *S. delavayi* Diels in Engler, Pflanzenr. 46(IV.94): 275. 1910. *S. graciliflora* Yamamoto. Herbaceous vine.

**77.7.2** *S. elegans* Hook. f. & Thomson, Fl. Ind. 195. 1855.; in Fl. Br. Ind. 1: 103. 1872. **Batulpate, Taro Laharaa**. AC. Common.

**77.7.3** *S. glabra* (Roxb.) Miers, ; Ann. Mag. Nat. Hist. ser. 3, 18: 14. 1866. *Cissampelos glabra* Roxburgh, Fl. Ind., ed. 1832, 3: 840. 1832; *Stephania rotunda* Lour. **Nimi lahara, Tambarke, Barkuli lahara**. Climber. Less common. Threatened.

**77.7.4** *S. glandulifera* Miers in Contrib. Bot. 3: 220: 1871 (Unresolved). **Batule lahara, taro lahara**. SC. Common.

**77.7.5** *S. hernandiifolia* (Willd.) Walp. Repert 1: 96. 1842; Das et al. 2008. *Cissampelos hernandiifolia* Willd. Sp. Pl. 4: 861. 1805; *Clypea hernandiifolia* Wight & Arn.. **Tape-vine; Panhelo tamarke**. Climber.

**77.7.6** *S. japonica* (Thunbergh) Miers in Ann. Mag. Nat. Hist. Ser. 3, 3, 18: 14. 1866. *S. japonica* var. *japonica*. *Menispermum japonicum*. **Stephania, Tape Vine, Snake Vine; Batulepaat, Charchare**. Climber. Less common.

**77.7.7** *S. rotunda* Lour., Fl. Cochinch. 608. 1790; Gamble 1878 [Unresolved]. **Nimilara, Seto-tamarke**.

**77.8** *Tinospora* Miers.

**77.8.1** *T. cordifolia* (Willd.) Miers Ann. Mag. Nat. Hist., ser. 2 7: 35, 38 35 1851. Climber.

**77.8.2** *T. sinensis* (Lour.) Merr., Sunyatsenia 1: 193. 1934. *T. cordifolia* (Willd.) Hook. f. & Thoms., Fl. Indica. 1:184. 1855. *T. malabarica* (Lamarck) J. D. Hooker & Thomson; *T. tomentosum* (Colebrooke) J. D. Hooker & Thomson. *Campylus sinensis* Loureiro, Fl. Cochinch. 1: 113. 1790; *Cocculus tomentosus* Colebrooke; *Menispermum cordifolium* Willd. Sp. Pl., ed. 4 [Willdenow] 4(2): 826. 1806 [Apr 1806]; *M.*

*malabaricum* Lamarck; *M. tomentosum* (Colebrooke) Roxburgh. **Gudargano, Gurjo-lahara, Gurjo-kolaharaa, Kanther-rik**. Climber. Less common.

**78. MENYANTHACEAE Dumort.** Genus: 1; Species:1

**78.1** *Nymphoides* Hill.

**78.1.1** *N. peltata* (S.G. Gmel.) Kuntze. Revis. gen. pl. 2: 429. 1891. *Limnanthemum peltatum* Gmel., Novi Comment. Acad. Sci. Imp. Petrop. 14(1): 527. 1770. **Fringed Water-lily, Yellow Floating-heart, Water Fringe**. PH.

**79. MOLLUGINACEAE Bartl.**, Beitr. Bot. [Bartling & H. L. Wendland] 2: 158. 1825, nom. cons. (carpetweed family). Genus: 1; Species:1

**79.1** *Glinus* L.

**79.1.1** *G. oppositifolius* (L.) Aug. DC., Bull. Herb. Boissier, sér. 2, 1: 559. 1901. *Mollugo oppositifolia* L., Sp. Pl. 1: 89. 1753; *M. spergula* L. tropical Africa and Asia, N Australia. **Gima Sak**. Herb.

**80. MORACEAE Gaudich.** in C.B. Trinius, Gen. Pl.: 13. 1835, nom. cons. (the Mulberry or Fig Family). Genus: 7; Species:53

**80.1** *Artocarpus* Forst.

**80.1.1** *A. chaplasha* Roxb. Fl. Ind. ed. 3: 525. 1832. *A. chama* Buchanan-Hamilton, Mem. Wern. Nat. Hist. Soc. 5: 331. 1826. **Chapalish, Lathar, Lut-ter, Yitsu sing**. Common.

**80.1.2** *A. heterophyllus* Lamarck. Encycl. 3: 29 1789. *A. integrifolius* Auct. NOT L. f.; *A. integrifolia* L. f.; *A. integra* Merr.; *Rademachia integra* Thunb. Tree. Planted.

**80.1.3** *A. integer* (Thunb.) Merr. Interpr. Herb. Amboin. 190 1917. *A. integrifolius* L.f. Suppl. Pl. 412 1782. **Kuttal**. Tree.

**80.1.4** *A. lacucha* Buch.-Ham., Mem. Wern. Nat. Hist. Soc. 5: 333. 1826. *A. lakoocha* Roxb., Fl. Ind. Ed. 3: 524. 1832. (Unresolved); *Saccus lakoocha* (Roxb.) Kuntze. **Monkey Jack, Arthar, Borar, Badhar, Barrar, Dewa, Rukh kalahar**. Tree. Sparse. **80.2** *Broussonetia* L'Hér. ex Vent.

**80.2.1** *B. papyrifera* (L.) L'Héritier ex Ventenat, Tabl. Règn. Vég. 3: 547. 1799. *Morus papyrifera* L., Sp. Pl. 2: 986. 1753. **Paper mulberry, Tapa cloth tree**. Tree.

**80.3** *Ficus* Dumort

**80.3.1** *F. altissima* Blume, Bijdr. 444. 1825; Gamble 1878. *F. laccifera* Roxb., Fl. Ind. ed. 2, 3: 545. 1832. **Yokdung**. Tree.

**80.3.2** *F. auriculata* Lour. Fl. Cochinch. 666. 1790. *F. macrophylla* Roxb. & Buch.-Ham. ex Sm. Cycl. 14: 32. 1810; *F. oligodon* Miq., Ann. Mus. B. Lugd.-Bat. 3: 234, 297. 1867. *F. hainanensis* Merrill & Chun; *F. pomitera* Wall ex. King; *F. regia* Miquel; *F. roxburghii* Miquel. *F. regia* Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 230. 1867 (Gamble's list). **Fig; Chanadumari, Chongma, Nebharo, Kasrekan; Kundoung-kúng; Nimmaro; Timil; Tchongtay-kúng**. Tree. Common.

- 80.3.3** *F. benghalensis* L., Sp. Pl. 1059. 1753. **Banyan, Bat or Bar, Borhar, Kangji-kúng.** Tree. Common.
- 80.3.4** *F. benjamina* L., Syst. Nat., ed. 12. 2: 681. 1767; Mant. Pl. 1: 129. 1767; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 43, t. 52, 83h. 1887 & in Hook. f., Fl. Brit. India 5: 508. 1888; Brandis, Indian Trees 604. 1906. *F. benjamina* var. *benjamina*; *F. comosa* Roxb., Pl. Coromandel 2: 14. 1799 (Gamble's list); *F. cuspidatocaudata* Hayata; *F. haematocarpa* Blume ex Decaisne; *F. nitida* Thunberg; *F. retusa* Linnaeus var. *nitida* (Thunberg) Miquel; *Urostigma benjaminum* (Linnaeus) Miquel; *U. haematocarpum* (Blume ex Decaisne) Miquel. **Wild yam; Kunhip, Kabra, Pindalu; Swamy.** Tree. Less common.
- 80.3.5** *F. conglobata* King Ann. Roy. Bot. Gard. (Calcutta) 1: 99 1888. **Tuksot kúng.** Small tree.
- 80.3.6** *F. curtipes* Corner, Gard. Bull. Singapore 17: 397. 1960. *F. obtusifolia* Roxb., Fl. Ind. ed. 3: 546. 1832 (Gamble's list). **Blunt leaf fig.** Tree.
- 80.3.7** *F. cyrtophylla* (Wallich ex Miquel) Miquel, Ann. Mus. Bot. Lugduno-Batavi. 3: 282. 1867; Gamble 1878. *Covellia cyrtophylla* Wallich ex Miquel, London J. Bot. 7: 460. 1848. **Kasirut; Tuksot-kúng.** Shrub or tree.
- 80.3.8** *F. drupacea* Thunb., Diss. Ficus 6, 11. 1786; Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 286. 1867. *F. mysorensis* B. Heyne ex Roth, Nov. Pl. Sp. 390. 1821; *Urostigma mysorensis* Miq. **Mysore fig.** Tree. Common.
- 80.3.9** *F. elastica* Roxb. (Hort. Beng. 65. 1814, nom. nud.) ex Hornem., Hort. Bot. Hafn. Suppl. 7. 1819; Roxb., Fl. Ind. 3: 541. 1832; Gamble 1878; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 45, t. 54. 1887 & in Hook. f., Fl. Brit. India 5: 508. 1888; Brandis, Indian Trees 603. 1906. *F. cordata* Kunth & Boucharlet; *F. skytinodermis* Summerhayes; *F. taeda* Kunth & Boucharlet; *Urostigma circumscissum* Miquel; *U. elasticum* (Roxburgh) Miquel; *U. karet* Miquel; *U. odoratum* Miquel. **Rubber fig, rubber bush, rubber tree, rubber plant, Indian rubber bush; Bor, Laabar, Lesoo, Yok.** Tree.
- 80.3.10** *F. fistulosa* Reinw. ex Blume Bijdr. 470 1825. Small tree.
- 80.3.11** *F. glaberrima* Blume Bijdr. 451 1825. Tree.
- 80.3.12** *F. hederacea* Roxb., Fl. Ind., ed. 1832. 3: 538. 1832. *F. cantoniensis* E. Bodinier ex H. Léveillé; *F. scandens* Roxburgh (1832), not Lamarck (1786), nor Buchanan-Hamilton (1826); *F. scandens* Roxb.; Gamble 1878. **Ivy fig.** Shrub. Common.
- 80.3.13** *F. heterophylla* L.f., Suppl. Pl. 442. 1781; Hook. f., Fl. Brit. India 5: 518. 1888. **Climbing stream fig.** Large shrub. Less common.
- 80.3.14** *F. hirta* Vahl, Enum. 2: 201. 1805; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 149, t. 188, 189. 1888 & in Hook. f., Fl. Brit. India 5: 531. 1888; Brandis, Indian Trees 608. 1906. *F. hibiscifolia* Champion ex Benth; *F. hirsuta* Roxburgh (1832), not Vellozo (1829); *F. hirta* var. *brevipila* Corner; *F. hirta* var. *hibiscifolia* (Champion ex Benth) Chun; *F. hirta* var. *imberbis* Gagnepain; *F. hirta* var. *palmatiloba* (Merrill) Chun; *F. hirta* var. *roxburghii* (Miquel) King; *F. katsumadae* Hayata; *F. palmatiloba* Merrill; *F. porteri* H. Léveillé & Vaniot; *F. quangtriensis* Gagnepain; *F. roxburghii* Miquel; *F. simplicissima* Loureiro var. *hirta* (Vahl) Migo; *F. tridactylites* Gagnepain; *F. triloba* Buchanan-Hamilton ex J. O. Voigt. **Kasreto; Gyasay-kúng.** Shrub or small tree. Less common.
- 80.3.15** *F. hispida* L.f. Suppl. Pl. 442. 1782. *Covellia hispida* (Linnaeus f.) Miquel. **Kharwa; Kharseto, Tuksot-kúng.** Shrub or small tree.
- 80.3.16** *F. hookeriana* Corner, G. Bull. (Sing.) 17: 378. 1960; 21: 10. 1965. *F. hookeri* Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 215. 1867 (non Sweet 1827); King, Ann. Roy. Bot. Gard. (Calcutta) 1: 36, t. 42, 82x.3. 1887 & in Hook. f., Fl. Brit. India 5: 505. 1888; Brandis, Indian Trees 600. 1906. **Nevara.** Tree.
- 80.3.17** *F. infectoria* Willd. Sp. Pl. 4: 1137. 1806; Gamble 1878 (Unresolved). **White fruited wavy leaf fig tree, Cuvi white fig; Pakur, Safed kabra; Kunjii-kúng.** Tree.
- 80.3.18** *F. laevis* Blume Bijdr. 437 1825. **Smooth fig.** Small tree.
- 80.3.19** *F. macrophylla* Desf. ex Pers. Syn. Pl. 2: 609 1807. **Neebara.** Tree.
- 80.3.20** *F. neriifolia* Sm., in Rees, Cyclop. 14: Ficus n. 21. 1810. *F. fieldingii* Miquel; *F. gemella* Wallich ex Miquel London J. Bot. 7: 454. 1848; *F. nemoralis* Wallich ex Miquel; *F. nemoralis* var. *fieldingii* (Miquel) King; *F. nemoralis* var. *gemella* (Wallich ex Miquel) King; *F. nemoralis* var. *trilepis* (Miquel) King; *F. neriifolia* var. *fieldingii* (Miquel) Corner; *F. neriifolia* var. *nemoralis* (Wallich ex Miquel) Corner; *F. neriifolia* var. *trilepis* (Miquel) Corner; *F. trilepis* Miquel; *F. wardii* C. E. C. Fischer. var. *fieldingii* Sm.; G. Bull. (Sing.) 17: 426 (1960); 21: 39 (1965). var. *nemoralis* Sm., ; G. Bull. (Sing.) 17: 426 (1960); 21: 39 (1965). **Dudhilo, Dudhila; Toitpay.** Tree. Less common.
- 80.3.21** *F. obscura* Blume Bijdr. 474 1825. **Kasirut, Tuksot-kúng.** Shrub or small tree.
- 80.3.22** *F. pisifera* Wall. ex Voigt. Hort. Suburb. Calcutt. 285. 1845; Miq., Hook. London J. Bot. 7: 427. 1848; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 3, t. 1. 1887 & in Hook. f., Fl. Brit. India 5: 496. 1888. *Urostigma pisiferum* Miq. (1847). **Lekbilani.** Shrub.
- 80.3.23** *F. prostrata* (Wall. ex Miq.) Buch.-Ham. ex Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 297 1867. Small tree.
- 80.3.24** *F. pubigera* (Wall. ex Miq.) Brandis Forest Fl. N.W. India 424 1874. **Dude Lahara.** Climber. Common.
- 80.3.25** *F. pyriformis* Hook & Arn. Bot. Beechey Voy. 216. 1837. **Sani dudila, Payo-kúng.** Shrub.
- 80.3.26** *F. racemosa* L., Sp. Pl. 1060. 1753. *F. chittagonga* Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 228. 1867, *F. glomerata* Roxb. Pl. Coromandel 2: 13. 1799. **Dumri phal; Gular; Tchongtay-kúng.** Tree.
- 80.3.27** *F. religiosa* L., Sp. Pl. 2: 1059. 1753; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 55, t. 67a. 1887 & in Hook. f., Fl. Brit. India 5: 513. 1888; Brandis, Indian Trees 601. 1906. *Urostigma religiosum* (L.)



Gasp., Ric. Caprifico 82, t. 7. f. 1-5. 1845. **Pipal, Pipli.** Tree.

**80.3.28** *F. retusa* L., Mant. Pl. 129. 1767. **Chinese banyan, Indian Laurel; Jamu; Sitnyok.** Tree.

**80.3.29** *F. rigida* Jacq., Malay. Misc. 2(7): 72. 1822 (Unresolved). *F. rigida* var. *bracteata* (Corner), Bennet, Indian J. For. 5: 326. 1982; *F. thomsoni* Miq., Ann. Mus. Bot. Lugd.-Bat. 3: 215. 1867 (Gamble's list); *Urostigma rigidum* Gasp. Nov. Gen. Fic. 7. 1844. Epiphytic shrub.

**80.3.30** *F. rumphii* Blume, Bijdr. 437. 1825. *F. cordifolia* Roxb. Fl. Ind. ed. 3: 548. 1832 (Gamble's list). **Pakur.** Tree.

**80.3.31** *F. sarmentosa* Buch.-Ham. ex Sm. Cycl. 14: 45. 1810. *F. foveolata* (Wall ex Miq.) Miq., Ann. Mus. Bot. Lugduno-Batavi 3: 294. 1867 (Gamble's list). **Dudila-lara, Taksotrig.** SC. Common.

**80.3.32** *F. semicordata* Buch.-Ham. ex Sm., in Rees, Cyclop. 14: Ficus n. 71. 1810. *F. cunia* Buchanan-Hamilton ex Roxburgh, Fl. Ind. 3: 561. 1832; King, Ann. Roy. Bot. Gard. (Calcutta) 1: 101, t. 126. 1888 & in Hook. f., Fl. Brit. India 5: 523. 1888; Brandis, Indian Trees 606. 1906 (Gamble's list). *Covellia cunia* (Buchanan-Hamilton ex Roxburgh) Miquel. **Jagya Dumur; Khanayo, Khanew, Khanyu; Sungjikung.** Tree. Common.

**80.3.33** *F. subincisa* Buch.-Ham. ex Sm. Cycl. 14: 91. 1810. **Lutae Khanium.** Shrub. Common.

**80.3.34** *F. subulata* Blume Bijdr. 460. 1825. *F. sikkimensis* Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 225. 1867. **Lekbilani.**

**80.3.35** *F. squamosa* Roxb. Fl. Ind. ed. 1832 3: 531. 1832. *F. saemocarpa* Miq. Small shrub.

**80.3.36** *F. subincisa* Buch.-Ham. ex J. E. Sm. in Rees, Cyclop. 14: Ficus no. 91. 1810. *F. clavata* Wall. ex Miq. London J. Bot. 7: 431. 1848. **Berulo, Girulee; Lute khaneu, Siratpé.** Shrub or small tree. Rare.

**80.3.37** *F. subulata* Blume, Bijdr. 460. 1825. *F. sikkimensis* Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 225. 1867. **Small leaf fig.** Shrub.

**80.3.38** *F. virens* Aiton, Hort. Kew. 3: 451. 1789. *F. infectoria* Roxb. 1814, *F. monticola* Miq. Ann. Mus. Bot. Lugduno-Batavi 3: 216. 1867. **White fig.** Tree. Common.

#### **80.4** *Maclura* Nutt.

**80.4.1** *M. cochinchinensis* (Lour.) Corner. Gard. Bull. Singapore 19: 239. 1962. *Cudrania javanensis* Trécul Ann. Sci. Nat., Bot. III, 8: 123. 1847. Large shrub or small tree.

#### **80.5** *Morus* L.

**80.5.1** *M. alba* L., Sp. Pl. 986. 1753. *M. indica* L., Sp. Pl. 986. 1753. (non Roxb); Hook. f., l.c. 492 (Gamble's list). **White mulberry; Chhota Kimbu; Kimbu kaphal, Mekrap-kung.** Shrub or small tree.

**80.5.2** *M. australis* Poir., in Lam., Encycl. Meth. B. 4: 380. 1797. *M. acidosa* Griffith; *M. alba* Linnaeus var. *indica* Bureau; *M. alba* var. *nigriformis* Bureau; *M. alba* var. *stylosa* Bureau; *M. australis* var. *hastifolia* (F. T. Wang & T. Tang ex Z. Y. Cao) Z. Y. Cao; *M. australis* var. *incisa* C. Y. Wu; *M. australis* var. *inuitata* (H. Léveillé) C. Y. Wu; *M. australis* var.

*linearipartita* Z. Y. Cao; *M. australis* var. *oblongifolia* Z. Y. Cao; *M. bombycis* Koidzumi; *M. bombycis* var. *angustifolia* Koidzumi; *M. bombycis* var. *bifida* Koidzumi; *M. bombycis* var. *longistyla* Koidzumi; *M. bombycis* var. *tiliifolia* Koidzumi; *M. cavaleriei* H. Léveillé; *M. formosensis* Hotta; *M. hastifolia* F. T. Wang & T. Tang ex Z. Y. Cao; *M. inuitata* H. Léveillé; *M. longistyla* Diels; *M. nigriformis* (Bureau) Koidzumi; *M. stylosa* Seringe var. *ovalifolia* Seringe. **Kimbu.** Shrub or small tree.

**80.5.3** *M. cuspidata* Wall, Numer. List 4646. 1831 (Unresolved). *M. serrata* Roxb. **Himalayan Mulberry, Kimbu, Nambyong, Singtok.** Shrub or small tree.

**80.5.4** *M. indica* L. Sp. Pl. 986. 1753. **Chhota Kimbu, Mekrap-kung.**

**80.5.5** *M. macroua* Miq., Pl. Jungh. 1: 42. 1851. *M. alba* Linnaeus var. *laevigata* Wallich ex Bureau; *M. laevigata* Wallich ex Brandis; *M. macroua* var. *mawu* (Koidzumi) C. Y. Wu & Z. Y. Cao; *M. wallichiana* Koidzumi; *M. wittiorum* Handel-Mazzetti var. *mawu* Koidzumi. **Kimbu, Bola, Tshende.** Tree. Rare.

**80.5.6** *M. nigra* L. Sp. Pl. 986. 1753. **Black Mulberry.** Tree.

**80.5.7** *M. serrata* Roxb. Fl. Ind., ed. 1832 3: 596. 1832. *M. alba* L. var. *serrata* (Roxburgh) Bureau; *M. gyirongensis* S. S. Chang; *M. pabularia* Decaisne. **Himalayan Mulberry; Kimbu, Numbyong-kung, Singtok.** Tree.

#### **80.6** *Plecosperrum* Trécul

**80.6.1** *P. spinosum* Trécul, Ann. Sci. Nat., Bot. 3, 8: 124. 1847 (Unresolved). *Trophis spinosa* Roxb. ex Willd. Sp. Pl., ed. 4 [Willdenow] 4(2): 734. 1806 [Apr 1806]). **Mainakat-lara, Maidal-lara, Gumbengfong.** Straggling shrub.

#### **80.7** *Streblus* Lour.

**80.7.1** *S. asper* Lour., Fl. Cochinch. 2: 615. 1790. *S. lactescens* Blume 1918. *Diplothorax tonkinensis* Gagnepain. **Sheora.** Tree or shrub. Not common.

**81. MYRISTICACEAE** R. Br., Prodr.: 399. 27 Mar 1810, nom. cons. (the Nutmeg Family). Genus: 2; Species: 4

#### **81.1** *Horsfieldia* Willd.

**81.1.1** *H. kingii* (Hook.f.) Warburg, Monogr. Myristic. 308. 1897. *H. hainanensis* Merrill; *H. tetratrapala* C. Y. Wu & W. T. Wang. *Myristica kingii* J. D. Hooker, Fl. Brit. India 5: 106. 1886. **Wild nutmeg.** Tree. Endemic. Rare.

#### **81.2** *Knema* Lour.

**81.2.1** *K. erratica* (Hook. f. & Thomson) J. Sinclair. Gard. Bull. Straits Settlem. 18: 205, f. 9. 1961. *Myristica erratica* Hook. f. et Thoms. Fl. Ind. 1: 156. 1855; *M. longifolia* Wall. ex Bl. var. *erratica* (Hook. f. et Thoms.) Hook. f. et Thoms, Fl. Brit. Ind. 5: 110. 1886. Small tree.

**81.2.2** *K. linifolia* (Roxburgh) Warburg, Monogr. Myristic. 558. 1897. *Myristica linifolia* Roxburgh, Fl. Ind., ed. 1832, 3: 847. 1832; *Knema linifolia* var. *clarkeana* (King) Warburg; *M. clarkeana* King; *M.*

*longifolia* Wallich ex Blume (Gamble's list). **Jaiphal, Ramgua**. Tree.

**81.2.3** *K. tenuinervia* W. J. de Wilde, Blumea. 25: 405. 1979. Tree. Endemic. Rare.

**82. MYRTACEAE** Juss., Gen. Pl.: 322. 4 Aug 1789, nom. cons. (the Myrtle family). Genus: 3; Species:11

**82.1** *Corymbia* K.D.Hill & L.A.S.Johnson

**82.1.1** *C. citriodora* (Hook.) K.D. Hill & L.A.S. Johnson, Telopea 6: 388. 1995. *Eucalyptus citriodora* Hook. in T. L. Mitchell, J. Exped. Trop. Australia. 235. 1848. *E. maculata* Hooker var. *citriodora* (Hooker) Bailey. **Lemon-scented eucalyptus, Spotted gum**. Tree. Planted.

**82.2** *Myrcia* DC.

**82.2.1** *M. bracteata* (Rich.) DC., Prodr. 3: 245. 1828. *Eugenia bracteata* Rich., Actes Soc. Hist. Nat. Paris. 1: 110. 1792. Shrub or small tree. Rare.

**82.3** *Syzygium* R.Br. ex Gaertn.

**82.3.1** *S. balsameum* (Wight) Wall. ex Walp. Repert. Bot. Syst. 2: 179. 1843. *Eugenia balsamea* Wight, Ill. Ind. Bot. 2: 16. 1841. **Ambake**. Shrub or small tree.

**82.3.2** *S. claviflorum* (Roxb.) Wall. ex A.M. Cowan & Cowan, Trees N. Bengal 67. 1929. *Acmena claviflora* (Roxb.) Walp.; *Acmenosperma claviflorum* (Roxburgh) Kausel; *Clavimyrtes claviflora* (Roxb.) Blume; *Eugenia claviflora* Roxburgh, Fl. Ind., ed. 1832, 2: 488. 1832; *Syzygium claviflorum* (Roxb.) Wall. ex Steudel, Nomencl. Bot. ed. 2, 2: 657. 1841. **Harre jammuna**. Shrub or tree. Rare.

**82.3.3** *S. cumini* (L.) Skeels, U.S. Dept. Agr., Bur. Pl. Industr., Bull. 248: 25. 1912. *S. jambolanum* (Lam.) DC. Prodr. 3: 259. 1828. *Calyptanthus cumini* (L.) Pers. Syn. Pl. 2: 32. 1806; *Eugenia cumini* (L.) Druce. Rep. Bot. Exch. Club Soc. Brit. Isles 3: 418. 1913 publ. 1914; *E. jambolana* Lam., Encycl. 3: 198. 1789; *Myrtus cumini* L. Sp. Pl. 471. 1753. **Black plum; Jamun, Kalo-jam, Mitsu shing**. Tree.

**82.3.4** *S. formosum* (Wall.) Masam., Enum. Phan. Born. 528. 1942. *Eugenia formosa* Wall., Pl. Asiat. Rar. 2: 6 1830; *Jambosa formosa* (Wall.) G. Don., Gen. Hist. 2: 969 1832. **Ambake**. Tree. Common.

**82.3.5** *S. jambos* (L.) Alston. Handb. Fl. Ceylon 6(Suppl.): 115. 1931. *Eugenia jambos* L. Sp. Pl. 470. 1753; *Eugenia jamboides* Wender. Schriften Ges. Beförd. Gesamten Naturwiss. Marburg 2: 254. 1831; *Jambos jambos* (L.) Millsp. Field Mus. Nat. Hist., Bot. Ser. 2(1): 80. 1900; *Myrtus jambos* (L.) Kunth. Nov. Gen. Sp. 6: 144. 1823; *Plinia jambos* (L.) M.Gómez. Fl. Haban. 292. 1914. **Malabar plum, Plum rose, Rose apple; Thulo jamun**. Shrub or tree.

**82.3.6** *S. kurzii* (Duthie) N.P. Balakr. Bull. Bot. Surv. India 22: 174 1980 publ. 1982. *Eugenia kurzii* Duthie; J. As. S. Beng. 46(2): 68 (1877); in Fl. Br. Ind. 2: 478 (1878); *Jambosa kurzii* (Duthie) A. M. & J. M. Cowan; Tr. N. Beng. 67 (1929). **Ambake, Jaman, Songlong-kung**. Tree.

**82.3.7** *S. nervosum* A. Cunn. ex DC. Prodr. 3: 260. 1828. *S. operculatum* (Roxb.) Nied. Nat. Pflanzenfam. 3(7): 85. 1893. *Cleistocalyx nervosum*, *C. operculatus* (Roxb.) Merr. & Perry, J. Arn. Arb. 18: 337, t. 215, f. 41-48. 1937. **Rai jamun**. Tree. Common.

**82.3.8** *S. ramosissimum* (Blume) N.P. Balakr. Fl. Jowai 1: 200. 1981. *Clavimyrtes ramosissima* Blume. Mus. Bot. 1: 113. 1850; *Eugenia ramosissima* (Blume) Wall. ex Duthie Fl. Brit. India 2: 480. 1878; *Jambosa ramosissima* (Blume) A.M. Cowan & Cowan. Trees N. Bengal 67. 1929. **Harre Jamuna, Tonglong-kung, Jhare Jamuna**. Tree. Common.

**82.3.9** *S. tetragonum* (Wight) Wall. ex Walpers, Repert. Bot. Syst. 2: 179. 1843; Wall. ex Kurz, J. As. S. Beng. 46(2): 66. 1877. *S. nienkui* Merrill & L. M. Perry. *Eugenia tetragona* Wight, Ill. Ind. Bot. 2: 16. 1841. **Chamlane or Karphal, Sunum-kung**. Tree.

**83. NYCTAGINACEAE** Juss., Gen. Pl.: 90. 4 Aug 1789, nom. cons. (the Four O'Clock Family). Genus: 2; Species:3

**83.1** *Boerhavia* L.

**83.1.1** *B. diffusa* L., Sp. Pl. 3 (1753). *B. repens*, *B. coccinea*. **Hog weed, Horse Purslane, Red Spiderling, Punarnava**. PH.

**83.2** *Bougainvillea* Comm. ex Juss

**83.2.1** *B. glabra* Choisy, ; in DC., Prodr. 13: 437 (1849). *B. spectabilis* var. *glabra* (Choisy) Hook., Curt. Bot. Mag. t. 4. 811. 1854. **Paper Flower, Lesser Bougainvillea or Bougainvillea**. SC.

**83.2.2** *B. spectabilis* Willd.; Sp. Pl. ed. 2, 348 (1799). **Great Bougainvillea**. SC.

**84. NYMPHAEACEAE** Salisb., Ann. Bot. (König & Sims) 2: 70. Jun 1805, nom. cons. (the Water-Lily Family). Genus: 1; Species:2

**84.1** *Nymphaea* L.

**84.1.1** *N. alba* L., Sp. Pl. 510. 1753. Hook.f. & Thoms., in Hook. f., Fl. Brit. Ind. 1: 114.1872. *Castalia alba* (L.) Greene; *Leuconymphaea alba* Kuntze. **White water-lily; Saluk**. PH.

**84.1.2** *N. nouchali* Burm. f., Fl. Ind. 120. 1768; Mitra in Sharma et al., Fl. India 1: 430. 1993. *N. stellata* Willd., Sp. Pl. 2: 1153, 1799, 1800; Hook. f. & Thomas in Hook.f., Fl. Brit. Ind. 1: 114. 1872. **Blue lotus or water lily, Nilpadma, Neelshaluk, Neelkamal**. Aqtiatic herb. Common.

**85. OCHNACEAE** DC., Nouv. Bull. Sci. Soc. Philom. Paris 2: 209. Jan 1811, nom. cons. (the wild plane family). Genus: 1; Species:2

**85.1** *Ochna* L.

**85.1.1** *O. obtusata* DC., Blumea 16: 34. 1968 (Unresolved). *O. squarrosa*. **Ramadhan Champa, Golden champak, Mickey Mouse Plant**. Shrub or small tree.

**85.1.2** *O. pumila* Buch.-Ham. ex D.Don., Prodr. Fl. Nepal. 224. 1825; Gamble 1878 (Unresolved). *Diporidium pumilum* (Buch.-Ham. Ex D. Don) Kuntze, Revis. Gen. Pl. 1: 105. 1891. US.

**86. OLACACEAE** Juss. ex R. Br. in J.H. Tuckey, Narr. Exped. Zaire: 452. 5 Mar 1818, nom. cons. (the Olax Family). Genus: 2; Species:2

**86.1** *Erythralium* Blume

**86.1.1** *E. scandens* Blume, Bijdr. 922. 1826. *Dactylum vagum* Griff. Proc. Linn. Soc. London 2:

252 1853. *Erythralum vagum* (Griff.) Mast.; Fl. Br. Ind. 1: 578 (1875); *Modeccopsis vaga* Griff. Notul. 4: 633. **Fish-smelling vine, Red-green vine, Suntuñgrúngrik.** SC.

### 86.2 *Ola* L.

**86.2.1 *O. nana*** Wall. ex Benth., Proc. Linn. Soc. London 1: 88. 1840; Trans. Linn. Soc. Bot. 18:678. 1840; M.T. Masters in Hook.f., Fl. Brit. Ind. 1:576. 1875 (Unresolved). *O. nana* Wall., Numer. List 6733. 1832. US. Rare. Threatened.

**87. OLEACEAE** Hoffmanns. & Link, Fl. Portug. 1: 62. 1 Sep 1809, nom. cons. (the Olive and Jasmine family). Genus: 7; Species:26

### 87.1 *Chionanthus* L.

**87.1.1 *C. ramiflorus*** Roxburgh, Fl. Ind. 1: 106. 1820. *Linociera ramiflora* (Roxburgh) Wallich ex G. Don, Gen. Hist. 4: 52. 1837; *Chionanthus ramiflorus* var. *ramiflorus*; *Linociera ramiflora* f. *pubisepala* L.C. Chia; *Mayepea ramiflora* (Roxb.) F. Muell., Systematic Census of Australian Plants: 92. 1883. **Native olive.** Shrub or tree.

### 87.2 *Fraxinus* L.

**87.2.1 *F. floribunda*** Wall. in Roxb., Fl. Ind. 1: 150. 1820. *Ornus urophylla* G. Don; Gen. Syst. 4: 57 (1837), *O. floribunda* (Wall.) Sweet., *Fraxinus urophylla* Wall. ex DC. **Himalayan ash; Lankuri.** Tree. Sparse.

**87.2.2 *F. paxiana*** Lingelsh. Bot. Jahrb. Syst. 40: 213. 1907. *F. densiflora* Lingelsh. Bot. Jahrb. Syst. 40: 215. 1907. **Lankuri; Paizhu.** Tree.

### 87.3 *Jasminum* L.

**87.3.1 *J. caudatum*** Wall. ex Lindl., B. Reg. 28: t. 26. 1842; DC. Prodr. 8: 310. 1844; C.B. Clarke in Hook. f., Fl. Brit. India 3: 601. 1882. SC. Less common.

**87.3.2 *J. dispersum*** Wall., in Roxb., Fl. Ind. 1: 99. 1820. *J. forrestianum* Kobuski; *J. latifolium* Buch-Ham. ex D. Don, Fl. Ind. 1: 93. 1820. **Chiniya chameli.** SC. Less common.

**87.3.3 *J. elongatum*** (Bergius) Willdenow, Sp. Pl., ed. 4. 1: 37. 1797. *Nyctanthes elongata* Bergius, Phil. Trans. 61: 289. 1772; *J. amplexicaule* Buchanan-Hamilton; *J. esquirolii* H. Léveillé; *J. ligustroides* L. C. Chia; *J. undulatum* Ker-Gawler. Bot. Reg. 6: t. 436. 1820. **Red kunda, Ear-leaf Jasmine.** Shrub. Rare.

**87.3.4 *J. grandiflorum*** L., Sp. Pl. ed. 2, 9. 1762. *J. officinale* Linnaeus var. *grandiflorum* (Linnaeus) Stokes; *J. officinale* f. *grandiflorum* (Linnaeus) Kobuski. **Spanish jasmine, Royal jasmine, Catalan jasmine.** Shrub. Common.

**87.3.5 *J. humile*** L., Sp. Pl. 1: 7. 1753. **Italian jasmine or yellow jasmine; Masino Jaai.** Shrub or small tree.

**87.3.6 *J. laurifolium*** Roxb., Fl. Ind., ed Carey & Wallich 1: 91. 1820 (Unresolved). **Shining Jasmine**

**87.3.7 *J. mesnyi*** Hance, ; J. B. 20: 37. 1882. *J. primulinum* Hemsley. **Lahare jae.** Subshrub.

**87.3.8 *J. multiflorum*** (Burm. f) Andrews, Bot. Repos. 8, t. 496. 1807; *J. pubescens* (Retzius) Willdenow, Sp. Pl. 1: 37. 1797; C.B. Clarke in Hook. f, l.c 592; Parker, l.c. 315; *Nyctanthes multiflora* Burm. f., Fl.

Ind. 5, t. 3, fig. 1. 1768. **Winter Jasmine, Indian Jasmine, Downy Jasmine, Star Jasmine.** Shrub. Common.

**87.3.9 *J. nepalense*** Spreng., Syst. Veg. 4(2): 12. 1827. *J. dichotomum* D. Don.; Prodr. Fl. Nep. 105. 1825; non Vahl (1790); *J. glandulosum* Wall. ex G. Don.; Gen. Syst. 4: 61. 1837; *J. hamiltonii* G. Don; Gen. Syst. 4: 61. 1837. **Ban jae.** Shrub. Less common.

**87.3.10 *J. nervosum*** Loureiro, Fl. Cochinch. 20. 1790. *J. amplexicaule* Buchanan-Hamilton ex G. Don var. *elegans* (Hemsley) Kobuski; *J. anastomosans* Wallich ex A. de Candolle; *J. cinnamomifolium* Kobuski var. *axillare* Kobuski; *J. elegans* (Hemsley) Yamamoto; *J. hemsleyi* Yamamoto; *J. laurifolium* Roxburgh var. *villosum* H. Léveillé; *J. nervosum* var. *elegans* (Hemsley) L. C. Chia; *J. nervosum* var. *villosum* (H. Léveillé) L. C. Chia; *J. trineuron* Kobuski; *J. undulatum* Ker-Gawler var. *elegans* Hemsley. **Jasmine.** Shrub.

**87.3.11 *J. sambac*** (L.) Aiton, Hort. Kew. 1: 8. 1789. *J. undulatum* (L.) Willd.; *Mogorium sambac* (L.) Lam.; *M. undulatum* (L.) Lam.; *Nyctanthes sambac* L.; *N. sambac* L.; *N. sambac* L., Sp. Pl. 1: 6. 1753. **Jasmine sambac, Zambac Jasmine.** Shrub.

**87.3.12 *J. scandens*** (Retz.) Vahl., Symb. Bot. 3: 2. 1794. *J. scandens* var. *laetum* (Wall ex G. Don.) Kurz.; *J. sambac* var. *scandens* (Retz.) Kuntze. *Mogorium scandens* (Retz.) Lam., Encycl. 4: 214. 1797; *Nyctanthes scandens* Retz., Observ. Bot. 5: 9. 1788. **Climbing Jasmine.** SC. Rare.

### 87.4 *Ligustrum* L.

**87.4.1 *L. confusum*** Decne., Nouv. Arch. Mus. Paris ser. 2, 2: 24. 1897. *L. confusum* var. *confusum*; *L. gyirongense* P. Y. Bai. Privet. **Kanike phool.** Shrub or small tree.

**87.4.2 *L. lucidum*** W.T. Aiton, ; H. Kew. ed. 2, 1: 19. 1810. *L. compactum* (Wallich ex G. Don) J. D. Hooker & Thomson ex Brandis var. *latifolium* W. C. Cheng; *L. esquirolii* H. Léveillé; *L. lucidum* var. *esquirolii* (H. Léveillé) H. Léveillé; *L. lucidum* f. *latifolium* (W. C. Cheng) P. S. Hsu. *Esquirolia sinensis* H. Léveillé. **Keree.** Shrub or small tree.

### 87.5 *Nyctanthes* L.

**87.5.1 *N. arbor-tristis*** L., Sp. Pl. 1: 6. 1753; Clarke in Hook f. Fl. Brit. India 3: 603. 1882. **Coral Jasmine, Tree of Sorrow, Queen of the night; Parijat, Sephalika/Seoli.** Shrub or small tree.

### 87.6 *Olea* L.

**87.6.1 *O. dioica*** Roxb. Fl. Ind. 1: 105. 1820; ed. 2, 1: 106 (1832) ; Hook. f., Fl. Brit. India 3: 612. 1882. *O. laevis* Stokes, Bot. Comm. 1: 30. 1830; *Tetrapilus dioicus* (Roxb.) L.A.S. Johnson, Contr. New South Wales Natl. Herb. 2: 408. 1957. **Indian Olive tree, Rose sandalwood; Kala kikone.** Tree.

**87.6.2 *O. gamblei*** C.B. Clarke, Fl. Brit. India 3: 613. 1882. **Himachal Olea.** Small tree.

### 87.7 *Osmanthus* Lour.

**87.7.1 *O. suavis*** King ex C.B. Clarke, Fl. Brit. India 3: 607. 1882. *Siphonosmanthus suavis* (King ex C.B. Clarke) Stapf. Bot. Mag. 153: t. 9176. 1929. **Silingi, Chashing.** Shrub or small tree.

**88. ONAGRACEAE** Juss., Gen. Pl.: 317. 4 Aug 1789, nom. cons. (the Willowherb or Evening Primrose Family). Genus: 5; Species: 15

**88.1 *Circaea* Tourn. ex L.**

**88.1.1 *C. alpina* L.**, Sp. Pl. 1: 9. 1753. subsp. *imaicola* (Aschers. & Magnus) Kitamura, Fl. Afghanistan. 279. 1960. *C. alpina* var. *imaicola* Ascherson & Magnus, Bot. Zeitung (Berlin) 28: 749. 1870; *C. hohuanensis* S. S. Ying; *C. imaicola* (Ascherson & Magnus) Handel-Mazzetti; *C. minutula* Ohwi; *C. pricei* Hayata; *C. taiwaniana* S. S. Ying; *C. alpina* subsp. *micrantha* (A. K. Skvortsov) Boufford, Ann. Missouri Bot. Gard. 69: 959; *C. micrantha* A. K. Skvortsov, Byull. Glavn. Bot. Sada (Moscow) 103: 36. 1977. **Alpine Enchanter's Nightshade.** Herb.

**88.1.2 *C. repens* Wall. ex Asch. & Magnus**, B. Zeit. 28: 761. 1870. *C. alpina* Linnaeus var. *himalaica* C. B. Clarke. AH.

**88.2 *Epilobium* L.**

**88.2.1 *E. amurense* Hausskn.**, Oesterr. B. Zeits 29: 55. 1879. *E. amurense* subsp. *amurense*; *E. amurense* subsp. *laetum* (Wallich ex Haussknecht) P. H. Raven; *E. gansuense* H. Léveillé; *E. laetum* Wallich ex Haussknecht; *E. miyabei* H. Léveillé; *E. nepalense* Haussknecht; *E. origanifolium* Lamarck var. *pubescens* Maximowicz; *E. ovale* Takeda; *E. tenue* Komarov; *E. yabei* H. Léveillé. subsp. *laetum* Hausskn.; Bull. Br. Mus. (Nat. Hist.) B. 2: 367 (1962). PH.

**88.2.2 *E. brevifolium* D. Don**, Prodr. Fl. Nep. 222. 1825. *E. brevifolium* subsp. *Brevifolium*; *E. trichoneurum* Haussknecht var. *brachyphyllum* Haussknecht. subsp. *trichoneurum* D. Don.; Bull. Br. Mus. (Nat. Hist.) B. 2: 362 (1962). **Chhyuzii.** AH. Rare.

**88.2.3 *E. cylindricum* D. Don**, ; Prodr. Fl. Nep. 222. 1825. *E. beauverdianum* H. Léveillé; *E. christii* H. Léveillé; *E. roseum* Schreber var. *cylindricum* (D. Don) C. B. Clarke. AH.

**88.2.4 *E. roseum* (Schreb.) Schreb.**, Spicil. Fl. Lips. 147. 1771. *Chamaenerion roseum* Schreb., Spic. Fl. Lips. 147. 1771. **Pale willowherb.** AH. Abundant.

**88.2.5 *E. sikkimense* Hausskn.**, Oesterr. B. Zeits. 29: 52. 1879.; Monogr. Epil. 204 (1884). *E. sikkimense* subsp. *ludlowianum* Hausskn.; Bull. Br. Mus. (Nat. Hist.) B. 2: 373 (1962). subsp. *sikkimense* Hausskn.; Oesterr. B. Zeits. 29: 52 (1879); in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 175 (1979). *E. sikkimense* subsp. *ludlowianum* P. H. Raven; *E. soboliferum* P. H. Raven; *E. squamosum* P. H. Raven; *E. trilectorum* P. H. Raven. **Kupate jhar.** PH.

**88.2.6 *E. wallichianum* Hausskn.**; Oesterr. B. Zeits. 29: 54. 1879.; Monogr. Epil. 218, t. 8, f. 52 (1884). *E. wallichianum* subsp. *souliei* Hausskn.; Bull. Br. Mus. (Nat. Hist.) B. 2: 366 (1962). *E. duclouxii* H. Léveillé; *E. mairei* H. Léveillé; *E. souliei* H. Léveillé; *E. sykesii* P. H. Raven; *E. tanguticum* Haussknecht; *E. wallichianum* subsp. *souliei* (H. Léveillé) P. H. Raven. PH.

**88.3 *Fuchsia* L.**

**88.3.1 *F. dependens* Hook.** Icon. Pl. Ind. Orient. 1: pl. 65. 1837. **Sunset Fuchsia.** SC. Rare.

**88.4 *Ludwigia* L.**

**88.4.1 *L. adscendens* (L.) H. Hara**, ; J. Jap. B. 28: 291. 1953. *Jussiaea adscendens* Linnaeus, Syst. Nat., ed. 12, 2: 297; Mant. Pl. 1: 69. 1767; *J. repens* Linnaeus. **Water primrose, water dragon, marshy jessmine; Jadelo.** PH.

**88.4.2 *L. peruviana* (L.) H. Hara.** J. Jap. Bot. 28: 292. 1953 (comb. nov.); Raven in Reinwardtia 6: 345. 1963; Paul in Bull. Bot. Surv. India 40: 19. 1998. C.D.K. Cook, Aqua. & Wetl. Pl. India 278. 1996. *Jussiaea peruviana* L. Sp. Pl. 1: 388. 1753; *J. speciosa* Ridley in J. Bot. (Lond.) 59: 259. 1921. **Primrose willow, Peruvian primrose.** PS.

**88.4.3 *L. prostrata* Roxb.**, Fl. Ind. 1: 441. 1820; Hook. f., Fl. Brit. India 2: 588. 1879. *Jussiaea prostrata* (Roxburgh) H. Léveillé. **False Loosestrife.** AH or PH.

**88.5 *Oenothera* L.**

**88.5.1 *O. glazioviana* Micheli** in Martius, Fl. Bras. 13(2): 178. 1875. *O. erythrosepala* Borbás, Magyar B. Lapok 2: 245 (1903); *Onagra erythrosepala* Borbás. **Large-flowered evening primrose, Redsepal evening primrose.** PH. Common.

**88.5.2 *O. rosea* L'Héritier ex Aiton**, Hort. Kew. 2: 3. 1789. **Pink or rose evening primrose.** PH.

**89. OPILIACEAE** Valetton, Crit. Overz. Olacin.: 136. 7 Jul 1886, nom. cons. (Lily family). Genus: 1; Species:1

**89.1 *Lepionurus* Blume**

**89.1.1 *L. sylvestris* Blume**, Bijdr. 1148. 1826 (Chaudhuri 1993). *L. oblongifolius* (Griff.) Mast., Fl. Br. Ind. 1: 583. 1875 (Gamble's list); *L. oblongifolium* Griff., Calc. J. Nat. Hist. 4: 236. 1844. Shrub.

**90. OROBANCHACEAE** Vent., Tabl. Règne Vég. 2: 292. 5 Mai 1799, nom. cons. (the Brume-Rape family). Genus: 2; Species: 2

**90.1 *Aeginetia* L.**

**90.1.1 *A. indica* L.**, Sp. Pl. 2: 632. 1753; ROXBURGH, Fl. Ind., ed. CLARKE, 468. 1874. *Orobanche aeginetia* L., Sp. Pl. ed. 2, 883 (1763). *Oeginetia indica* (ROXB.) apud WIGHT, Icon. III: 9. 1843, sphalm. *Oginetia indica* (ROXB.) apud WIGHT, Icon. III: t. 895. 1843, sphalm. *Phelypaea indica* (L.) SPRENGEL ex STEUDEL, Nomencl. ed. 2: 318. 1842. **Aankuri bankur, gaibya, nila jbar.** RP. Rare.

**90.2 *Boschniakia* C. A. Mey.**

**90.2.1 *B. himalaica* Hook.f. & Thomson** Fl. Brit. India 4: 327 1884. *Xylanche himalaica* (Hook. fil. & Thomson) Beck. Parasitic weed.

**91. OXALIDACEAE** R. Brown, Narrative of an Expedition to Explore the River Zaire 433. 1818 (the wood sorrel family). Genus: 3; Species: 9

**91.1 *Averrhoa* L.**

**91.1.1 *A. carambola* L.**, Sp. Pl. 1: 428. 1753. Edgeworth and Hook. f., l.c.; J.F. Duthie, l.c.; Brandis, l.c. *A. acutangula* Stokes. Bot. Mat. Med. 2: 543 1812; *Sarcotheca philippica* (Villar) Hallier f.

Meded. Rijks-Herb. 1910: 2 2. 1910. Small tree or shrub.

### 91.2 *Biophytum* DC.

**91.2.1 *B. reinwardtii*** (Zuccarini) Klotzsch. Naturw. Reise Mossambique 1: 85. 1861. *B. sensitivum* var. *reinwardtii* (Zucc.) Guillaumin. Bull. Mus. Natl. Hist. Nat. 15: 127. 1909; *Oxalis reinwardtii* Zucc. Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 1: 274. 1830. **Reinwardt's Tree Plant.** AH.

### 91.3 *Oxalis* L.

**91.3.1 *O. acetosella*** L., Sp. Pl. 1: 433. 1753; Edgew. and Hk. f. in Hk. f. Fl. Brit. Ind. 1: 436. 1874. *O. acetosella* var. *griffithii* (Edgw. & Hook. f.) Hara; ssp. *griffithii* L., J. Jap. B. 30: 22 (1955); in Fl. E. Him. 168. 1966. PH. Abundant.

**91.3.2 *O. corniculata*** L., Sp. Pl. 1: 435. 1753; Edgew. and Hk. f. in Hk. f., l.c. *O. foliosa* Blatter, J. Ind. Bot. Soc. 9: 203. 1930. *O. repens* Thunb., Diss. Oxal. 16. 1781. *O. villosa* M. Bieb., Fl. Taur. Cauc. 1: 355. 1808. **Creeping red sorrel; Chariamilo; Check chein, Amrul.** Herb. Common.

**91.3.3 *O. debilis*** var. *corymbosa* (DC.) Lourteig, Ann. Missouri Bot. Gard. 67: 840 1980 publ. 1981. *O. corymbosa* DC., Prodr. 1: 696. 1824; *O. bipunctata* R. Grah. in Edin. N. Phil. Journ. 3. 12: 176. 1827; *O. debilis* Kunth, Nov. Gen. Sp. 5: 236. 1822; *O. martiana* Zucc. In Denkschr. Akad. Muench. 9. 144, n. 6, 1823-1824. R. Knuth. l.c. 250. GH. Abundant.

**91.3.4 *O. griffithii*** Edgeworth & J. D. Hooker in Hook.f., Fl. Brit. Ind. 1: 436. 1874. PH.

**91.3.5 *O. latifolia*** Kunth in Humb. Bonpl. & Kunth, Nov. Gen. Sp. 5: 184, t.467. 1821. **Khatmitthi; Chari amilo.** GH. Common.

**91.3.6 *O. stricta*** L., Sp. Pl. 1: 435. 1753. *O. dillenii*. **Yellow wood sorrel.** Perennial weed. Common.

**91.3.7 *O. tetraphylla*** Cav. Icon. 3: 19. 1795. *Acetosella tetraphylla* (Cav.) Kuntze; *Ionoxalis tetraphylla* (Cav.) Rose; *Sassia tetraphylla* (Cav.) Holub. **Iron cross, Lucky clover, Four-leaved Pink-sorrel.** GH.

**92. PAPAVERACEAE** Juss., Gen. Pl.: 235. 4 Aug 1789, nom. cons. (the Poppy Family). Genus: 7; Species: 20

### 92.1 *Argemone* L.

**92.1.1 *A. mexicana*** L., Sp. Pl. 2: 508. 1753. **Prickly Poppy; Sialkanta; Thakal.** AH.

### 92.2 *Corydalis* DC.

**92.2.1 *C. cashimiriana*** Duthie & Prain ex prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 65: 27 1896. AH or PH.

**92.2.2 *C. chaerophylla*** DC., Prodr. 1: 128 (1824). var. *geraniifolia* DC., ; Fl. E. Him. 103. 1966. **Marano.** Herb. Common.

**92.2.3 *C. geraniifolia*** Hook.f. & Thoms. Fl. Ind. 1: 269. 1855. *C. chaerophylla* ssp. *geraniifolia*. Hook. f. & Thompson, Fl. Ind. 269. 1855. *C. chaerophylla* ssp. *geraniifolia*. Herb.

**92.2.4 *C. juncea*** Wall., Tent. Fl. Nap. 54, t. 42, f. dextra. 1826. PH.

**92.2.5 *C. leptocarpa*** Hook. f. & Thomson, Fl. Ind. 260. 1855; in Fl. Br. Ind. 1: 122. 1872. AH.

**92.2.6 *C. longipes*** DC., Prodr. 1: 128. 1824. *C. longipes* var. *pubescens* (C. Y. Wu & H. Chuang) C. Y. Wu; *C. pubescens* C. Y. Wu & H. Chuang. AH to PH.

**92.2.7 *C. meifolia*** Wall., Tent. Fl. Napal. 55. 1826. AH. Rare.

**92.2.8 *C. pseudolongipes*** Lidén, Bull. Brit. Mus. (Nat. Hist.), Bot. 18: 532. 1989. *C. longipes* Candolle var. *burkillii* Fedde; *C. longipes* var. *phallutiana* Fedde; *C. longipes* var. *smithii* Fedde. AH or PH.

### 92.3 *Dactylicapnos* Wall.

**92.3.1 *D. cordata*** Lidén. Nordic Journal of Botany 28(6): 656-660. 2010 (Unresolved). PC.

**92.3.2 *D. grandifoliolata*** Merr. Brittonia 4: 64. 1941. *Dicentra grandifoliolata* (Merr.) K.R.Stern; *Dicentra paucinervia* K.R. Stern. Brittonia 13: 45, f.31, 1-8. 1961. PC. Endemic. Rare.

**92.3.3 *D. roylei*** (Hook.f. & Thomson) Hutch. Bull. Misc. Inform. Kew 1921: 104. 1921. *Capnorchis roylei* (Hook.f. & Thomson) Kuntze; *Dicentra roylei* Hook.f. & Thomson; *Dicentra wolfdietheri* Fedde. AC.

**92.3.4 *D. scandens*** (D. Don) Hutchinson, Bull. Misc. Inform. Kew. 1921: 105. 1921 (non Hooker f. & Thomson in Fl. Brit. India 1: 12). *D. multiflora* Hu; *D. thalictrifolia* Wallich; *Diclytra scandens* D. Don, Prodr. Fl. Nepal. 198. 1825; *Dicentra scandens* (D. Don) Walpers; *D. ventii* Khanh; *Dielytra thalictrifolia* (Wallich) G. Don. **Mutu Jhar.** PC. Common.

### 92.4 *Dicentra* Bernh.

**92.4.1 *D. paucinervia*** K.R. Stern. Brittonia 13: 45, f.31, 1-8. 1961 (Unresolved). Climber.

### 92.5 *Eomecon* Hance

**92.5.1 *E. chionantha*** Hance, J. Bot. (Morot) 22: 346. 1884. **Snow Poppy, Chinese Bloodroot.** GH.

### 92.6 *Fumaria* L.

**92.6.1 *F. indica*** (Hauskn.) Pugsley, ; J. Linn. S. B. 44: 313 (1919). *F. parviflora* var. *indica*, *F. vaillantii* var. *indica*. **Indian Fumitory; Ban Salpa; Banganjar, Dhukure; Shahtar.** AH. Common.

### 92.7 *Meconopsis* Vig.

**92.7.1 *M. lyrata*** (Cummins & Prain) Fedde ex Prain, Kew Bull. 1915: 142. 1915. *Cathcartia lyrata* H. A. Cummins & Prain, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 64: 325. 1896; *C. polygonoides* Prain; *Meconopsis compta* Prain; *M. polygonoides* (Prain) Prain. Herb.

**92.7.2 *M. nepalensis*** DC., Prodr. 1: 121. 1824 (Unresolved). *M. napaulensis*; *M. wallichii* Hook., Bot. Mag. 78: t. 4668 (1852), p.p. Hook. f. & Thomson, Fl. Ind. 254. 1855; in Fl. Br. Ind. 1: 119 (1872). *M. wallichii* var. *fuscopurpurea* Hook., B. Mag. 110, t. 6760 (1884). **Kyasar.** PH. Less common.

**92.7.3 *M. paniculata*** (D. Don.) Prain, J. As. S. Beng. 64: 316 (1895). *M. napaulensis* Candolle; *M. paniculata* var. *elata* Prain; *M. wallichii* Hook. Bot. Mag. 78: f. 4668 f. 4668. 1852. *Papaver paniculatum* D. Don, Prodr. Fl. Nepal. 197. 1825; *Stylophorum nepalense* (Candolle) Sprengel. **Satinpoppy; Gyashur.** Herb. Less common.

**92.7.4** *M. villosa* (Hook. f.) G. Taylor; Meconopsis 28 (1934)(Unresolved). *Cathcartii villosa* Hook.f. Bot. Mag. 77: t. 4596. 1851. PH.

**93. PASSIFLORACEAE** Juss. ex Roussel, Fl. Calvados, ed. 2: 334. 30 Mai 1806, nom. cons. (Passion-flower Family). Genus: 2; Species: 6

**93.1 Adenia Forssk.**

**93.1.1** *A. cardiophylla* (Masters) Engler, Bot. Jahrb. 15: 573.1893. Climber. Rare.

**93.1.2** *A. trilobata* (Roxb.) Engl. Bot. Jahrb. Syst. 14: 375. 1891. *Modecca trilobata* Roxb. SC. Abundant.

**93.2 Passiflora L.**

**93.2.1** *P. edulis* Sims, B. Mag. 45: t. 1989 (1818). **Jhumke laharo**. SC.

**93.2.2** *P. foetida* L., Sp. Pl. 2: 959. 1753. *P. foetida* var. *hispida* (Candolle ex Triana & Planchon) Killip; *P. hispida* Candolle ex Triana & Planchon; *Dysosmia foetida* (Linnaeus) M. Roemer; *Granadilla foetida* (Linnaeus) Gaertner; *Tripsilina foetida* (Linnaeus) Rafinesque. **Sano jhar**. Vine. Common.

**93.2.3** *P. nepalensis* Walp. Repert. Bot. Syst. (Walpers) 2: 221. 1843 (Unresolved). *Anthactinia nepalensis* M. Roem. Fam. Nat. Syn. Monogr. 2: 190. 1846. SC.

**93.2.4** *P. vespertilio* L. Sp. Pl. 957. 1753. *P. geminiflora* D. Don, Prodr. Fl. Nep 223. 1825. **Black passion flower**. Climbing vine. Common.

**94. PHYLLANTHACEAE** Martinov, Tekhno-Bot. Slovar: 369. 3 Aug 1820, nom. cons. = Euphorbiaceae (the Phyllanthus or Amla family). Genus: 9; Species: 36

**94.1 Antidesma L. 1753 not Wall. 1832**

**94.1.1** *A. acidum* Retz., Obs. B. 5: 30. 1789. *A. diandrum* (Roxb.) Roth, Nov. Sp. 369. 1821 (Gamble's list); *Stilago diandra* Roxb., Pl. Corom. 2: 35, t. 166. 1798. **Archal, Nakadansing, Ban musari, Patimil**. Shrub. Less common.

**94.1.2** *A. bunius* (L.) Spreng. Syst. Veg. 1: 826. 1824; Gamble 1878 (misspelt "bunias"). **Himalchiri; Kautjer**. Tree, rarely shrub.

**94.1.3** *A. montanum* Blume. Bijdr. 1124. 1827. *A. menasu* (Tul.) Müll.Arg. Prodr. 15(2): 257. 1866. *A. acuminatum* Wall in Wight, Ic. Pl. Ind. Or. 6: t. 1991 (1853). **Chinese laurel; Kumbyúng; Tungcher-kúng**. Shrub or tree.

**94.2 Aporosa Blume**

**94.2.1** *A. cardiosperma* (Gaertn.) Merr. J. Arnold Arbor. 35: 139. 1954; N.P.Balacr. & Chakrab., Fam. Euphorbiaceae India 310. 2007. *A. lindleyana* (Wight) Baill. Étude Euphorb. 645. 1858 (Gamble's list); Hook. f., Fl. Brit. India 5: 349. 1887; *Croton cardiospermus* Gaertn., Fruct. Sem. Pl. 2: 120. 1790; *Scopa lindleyana*. **Lindlay's Aporosa; Kagbhalai**. Tree.

**94.2.2** *A. octandra* (Buch.-Ham. ex D. Don) A. R. Vickery ex M. J. Short & A. R. Vickery, ; in H. Hara et al., Enum. Flow. Pl. Nep. 3: 193 (1982). *A. dioica* (Roxb.) Mull. Arg.; in DC., Prodr. 15(2): 472 (1866). *A. roxburghii* Baill., Etudes Gen. Euphorb. 645 (1858). *Alnus dioica* Roxb.; Fl. Ind. ed. 2, 3: 580

(1832). *Lepidostachys roxburghii* Wall.; Cat. 229, n. 6816 (1832). **Archal, Asare, Barkaunli**. Shrub or small tree. Rare.

**94.3 Baccaurea Lour., 1790**

**94.3.1** *B. ramiflora* Lour., Fl. Cochinch. 661. 1790. *B. sapida* (Roxb.) Mull. Arg. in DC., Prodr. 15(2): 459. 1866 (Gamble's list); *Pierardia sapida* Roxb., Fl. Ind. ed. 2, 2: 254. 1832. **Kalabogati, Kusum, Sumbing-kúng**. Tree. Rare.

**94.4 Bischofia Blume**

**94.4.1** *B. javanica* Blume. Bijdr. 1168. 1827. *B. cumingiana* Decaisne; *B. leptopoda* Müller Argoviensis; *B. oblongifolia* Decaisne; *B. roeperiana* Decaisne; *B. toui* Decaisne; *B. trifoliata* (Roxburgh) Hooker; *Andrachne trifoliata* Roxburgh; *Microelus roeperianus* (Decaisne) Wight & Arnott; *Stylodiscus trifoliatus* (Roxburgh) Bennett. **Goileshing, Kainjal, Sinong-kúng, Uriam**. Tree. Sparse.

**94.5 Breynia J.R.Forst. & G.Forst. 1776**

**94.5.1** *B. retusa* (Dennst.) Alston. Ann. Roy. Bot. Gard. (Peradeniya) 11: 204. 1929. *B. patens* (Roxb.) Benth.; Gen. Pl. 3: 277. 1883; *B. hyposauropus* Croizat; *Phyllanthus retusus* Dennstedt, Schlüssel Hortus Malab. Register 1: 15; Register 2: 24; Register 3: 31. 1818; *Melanthesopsis patens* (Roxb.) Müll. Arg. (Gamble's list). **Ikti-kúng; Sano nun dhiki**. Shrub.

**94.6 Bridelia Willd.**

**94.6.1** *B. glauca* Bl., Bijdr. 597 1826. *B. pubescens* Kurz. in J. Asiat. Soc. Beng. 42 (2): 241. 1873 et For Fl 367 1877; Hook f Fl Brit Ind 5: 270.1887. Tree. Less common.

**94.6.2** *B. montana* (Roxb.) Willd. Sp. Pl. 4: 978. 1806; Roxb. Fl. Ind. 3, 735. 1832: Muell. Arg. In DC. Prodr. 15 (2): 500. 1866 ; Hook. f. Fl. Brit. Ind. 5: 269. 1887. Gamble 1878. *Clutia montana* Roxb. Pl. Coromandel 2: 38. 1802. **Gayo**. Tree.

**94.6.3** *B. retusa* (L.) Juss., Euphorb. Gen. 109. 1824; Spreng., Syst. Veg. 3: 48. 1829; Gamble 1878. 1753; *B. cambodiana* Gagnepain; *B. fordii* Hemsley; *B. pierrei* Gagnepain; *B. spinosa* (Roxburgh) Willdenow; *Clutia spinosa* Roxburgh. *C. retusa* Linnaeus, Sp. Pl. 2: 1042. **Geio, Lahare gayo, Gaumbha, Kuhir, Kulir, Pengji-kúng**. Tree. Less common.

**94.6.4** *B. sikkimensis* Gehrm. Bot. Jahrb. Syst. 41(95): 34. 1908. *Bridelia cuneata* Gehrm. Shrub. Less common.

**94.6.5** *B. stipularis* (L.) Blume, Bijdr. 597. 1825; Gamble 1878. *B. scandens* (Roxburgh) Willdenow; *Clutia stipularis* L. Mant. Pl. 1: 127. 1767; *C. scandens* Roxburgh. **Loima-lara**. Shrub. Less common.

**94.6.6** *B. tomentosa* Blume, Bijdr. 597. 1826. *Amanoa tomentosa* Baill. Adansonia 6: 336. 1866. **Sibri, Manlet-kúng, Muse gayo**. Shrub or treelet. Less common.

**94.7. Glochidion J.R.Forst. & G.Forst.**

**94.7.1** *G. acuminatum* Mull. Arg.; Linnaea 32: 68 (1863). *Phyllanthus bicolor* Mull. Arg.; Flora 48: 389 (1865); in DC., Prodr. 15(2): 311 (1886). **Lati Kath**. Tree. Common.

- 94.7.2** *G. daltonii* (Müller Argoviensis) Kurz, Prelim. Rep. Forest Pegu. App. A, cv; App. B, 77. 1875; Hook.f., Fl. Br. Ind. 5: 308. 1887. *Phyllanthus daltonii* Müller Argoviensis in A. Candolle, Prodr. 15(2): 310. 1866; *Diasperus daltonii* (Müller Argoviensis) Kuntze; *G. gamblei* Hook.f. Shrub to tree.
- 94.7.3** *G. ellipticum* Wight Icon. Pl. Ind. Orient. 5: t. 1906 1852. *G. assamicum* (Müll.Arg.) Hook.f. Small tree.
- 94.7.4** *G. heyneanum* (Wight & Arn.) Wight, Icon. Pl. Ind. Orient. 5: t. 1908 1852. *G. velutinum* Wight, Ic. Pl. Ind. Or. 5: t. 1907. 1852; *Gynoon heyneanum* Wight & Arn. Edinburgh New Philos. J. 14: 300 1833; *Phyllanthus nepalensis* Müll. Arg., Flora 48: 375. 1865 (Gamble's list). **Downy melon featherfoil, velvety melon featherfoil; Kaalikaath.** Tree.
- 94.7.5** *G. hohenackeri* (Muell.-Arg.) Bedd. Fl. Sylv. S. India 193. 1872; Hook. f., Fl. Brit. India 5: 314. 1887. *Phyllanthus fagifolius* Müll.-Arg. Flora 48: 373. 1865; Hook. f., Fl. Brit. India 5: 312. 1887; *P. hohenackeri* Muell.-Arg., Flora 48: 373. 1865. **Paili.** Shrub or tree.
- 94.7.6** *G. khasicum* (Müll.Arg.) Hook.f. Fl. Brit. India 5: 324. 1887. *Diasperus khasicus* (Müll.Arg.) Kuntze; *Phyllanthus khasicus* Müll.Arg. Flora 48: 389. 1865. Shrub or treelet.
- 94.7.7** *G. lanceolarium* (Roxb.) Voigt. Hort. Suburb. Calcutt. 153. 1845. *Bradleya lanceolaria* Roxb. Fl. Ind. ed. 3: 697 1832.; *B. lanceolaria* Roxb. Fl. Ind., ed. 3: 697. 1832.; *Diasperus lanceolarius* (Roxb.) Kuntze. Revis. Gen. Pl. 2: 599. 1891.; *Phyllanthus lanceolarius* (Roxb.) Müll.Arg. Flora 48: 371. 1865 (Gamble's list). Shrub or tree.
- 94.7.8** *G. multiloculare* (Rottler ex Willd.) Voigt, Hort. Suburb. Calcutt. 152. 1845. *Agyneia multilocularis* Roxb. ex Willd., Neue Schriften Ges. Naturf. Freunde Berlin 4: 206 (1803); *Bradleya multilocularis* (Roxb. ex Willd.) Spreng., Syst. Veg. 3: 19. 1826; *Diasperus multilocularis* (Roxb. ex Willd.) Kuntze, Revis. Gen. Pl. 2: 600 (1891); *Phyllanthus multilocularis* (Roxb. ex Willd.) Müll. Arg. in DC., Prodr. 15(2): 279. 1866 (Gamble's list). **Jagri.** Shrub or small tree.
- 94.7.9** *G. nubigenum* Hook.f., Fl. Brit. India 5: 315. 1887. *G. velutinum* var. *nubigenum* (Hook.f.) Chakrab. & M.Gangop. *Diasperus nubigenus* (Hook.f.) Kuntze. Tree.
- 94.7.10** *G. thomsonii* (Müller Argoviensis) Hook.f., Fl. Brit. India. 5: 318. 1887. *Phyllanthus thomsonii* Müller Argoviensis, Flora 48: 375. 1865 (Gamble's list); *Diasperus thomsonii* (Müller Argoviensis) Kuntze. **Latikath.** Shrub.
- 94.7.11** *G. triandrum* (Blanco) C.B. Rob. Philipp. J. Sci., C 4: 92 1909. *Diasperus triandrus* (Blanco) Kuntze. Revis. Gen. Pl. 2: 601. 1891; *Phyllanthus bicolor* Müll. Arg., Flora 48: 389. 1865 (Gamble's list); *P. triandrus* (Blanco) Müll.Arg. Flora 48: 379. 1865. **Latikat, Lakrikat, Kair, Tetricair-kúng.** Shrub or treelet.
- 94.7.12** *G. zeylanicum* var. *tomentosum* (Dalzell) Trimen Syst. Cat. Fl. Pl. Ceylon 79 1885. *G. hirsutum* (Roxb.) Voigt.
- 94.8** *Phyllanthus* L.
- 94.8.1** *P. anderssonii* Müll. Arg. In DC. Prodr. 15(2): 395. 1866; Gamble 1878. *Diasperus anderssonii* (Müll.Arg.) Kuntze. Revis. Gen. Pl. 2: 598. 1891; *Glochidion ellipticum* Wight, Icon. Pl. Ind. Orient. 5: t. 1906. 1852. **Latikat.** Tree.
- 94.8.2** *P. emblica* L., Sp. Pl. 2: 982. 1753; Gamble 1878. *Cicca emblica* (L.) Kurz. Forest Fl. Burma 2: 352 1877; *Diasperus emblica* (L.) Kuntze. Revis. Gen. Pl. 2: 599 1891; *Emblica officinalis* Gaertn. **Amla, Amlaki, Amala, Aunla, Churooshing, Owla, Suom-kúng.** Tree. Less common.
- 94.8.3** *P. reticulatus* Poir. in Lam., Encycl. Meth. B. 5: 298. 1804; Gamble 1878. *P. dalbergioides* Wallich ex J. J. Smith; *P. erythrocarpus* Ridley; *P. microcarpus* (Bentham) Müller Argoviensis; *P. multiflorus* Poir.; *P. multiflorus* Willdenow (1805), not Poir.; *P. reticulatus* var. *glaber* Müller Argoviensis; *P. sinensis* Müller Argoviensis, nom. invalid, nom. nud. (Müll.Arg. merely cited "Kirganelia sinensis Baill." (invalid) as the basionym); *P. takaoensis* Hayata. *Anisonema reticulatum*, *Cicca microcarpa* Bentham; *C. reticulata* (Poir.) Kurz; *Diasperus reticulatus*; *Glochidion microphyllum* Ridley; *Kirganelia multiflora* Baillon; *K. reticulata* (Poir.) Baillon; *K. sinensis* Baillon; **Black-Honey Shrub, black-berried featherfoil, potato-bush, netted-leaved leaf-flower; Panjuli.** Shrub or small tree.
- 94.8.4** *P. urinaria* L., Sp. Pl. 2: 982. 1753. *Diasperus urinaria* (L.) Kuntze; *Phyllanthus alatus* Blume; *P. cantoniensis* Hornemann; *P. cantoniensis* Schweigger (1812), not Hornemann (1807); *P. chamaepeuce* Ridley; *P. lepidocarpus* Siebold & Zuccarini; *P. leprocarpus* Wight; *P. nozeranii* Rossignol & Haicour. **Chamberbitter, gripeweed, shatterstone, stonebreaker or leafflower; Hazarmani, Kanthad, Bhuiamala.** AH. Less common.
- 94.8.5** *P. virgatus* G. Forst., Fl. Ins. Austr. Prodr. 65. 1786. *Phyllanthus simplex* Retzius; *P. simplex* var. *virgatus* (G. Forster) Müller Argoviensis. Herb.
- 94.9** *Sauropus* Blume
- 94.9.1** *S. androgynus* (L.) Merr., Bull. Bur. For. Philipp. Is. 1: 30. 1903 = *Breynia androgyna* (L.) Chakrab. & N.P. Balakr., comb. nov. *Clutia androgyna* Linnaeus, Mant. Pl. 1: 128. 1767; *Aalius androgyna* (Linnaeus) Kuntze; *Sauropus albicans* Blume; Bijdr. 596. 1825; *S. indicus* Wight, Ic. Pl. Ind. Or. 6: t. 1952. (1853). **Sentungrúng.** Shrub. Common.
- 94.9.2** *S. compressus* Müll.Arg. Prodr. 15(2): 243. 1866. *Breynia compressa* (Müll.-Arg.) Chakrab. & N.P. Balakr., comb. nov.; *Aalius compressa* (Müll.Arg.) Kuntze; *Sauropus quadrangularis* (Willd.) Müll.-Arg. var. *compressus* (Müll.-Arg.) Airy Shaw, Kew Bull. 26: 337. 1972; *S. pubescens* Hook.f. Fl. Brit. India 5: 335 (1887). Shrub.
- 94.9.3** *S. hirtellus* (F.Muell.) Airy Shaw, Kew Bull. 35: 677. 1980. *Glochidion hirtellum* (F.Muell.)

H.Eichler, Suppl. J. M. Black Fl. S. Austral. ed. 2. 210 1965; *Synostemon hirtellus* F. Muell., Fragm. 3: 89. 1862. Subshrub. Sporadic.

**94.9.4** *S. quadrangularis* (Willd.) Mull. Arg., Linnaea 32: 73. 1863. *Breynia quadrangularis* (Klein ex Willd.) Chakrab. & N.P. Balakr., comb. nov. *Phyllanthus quadrangularis* Klein ex Willdenow, Sp. Pl. 4: 585. 1805; *Aalius ceratogynum* Kuntze; *A. compressa* (Müller Argoviensis) Kuntze; *A. pubescens* (J. D. Hooker) Kuntze; *A. quadrangularis* (Müller Argoviensis) Kuntze; *A. rigida* (Thwaites) Kuntze; *Ceratogynum rhamnoides* Wight; *P. leschenaultii* Müller Argoviensis var. *tenellus* Müller Argoviensis; *P. rhamnoides* Roxburgh (1832), not Retzius (1788); *Sauropus ceratogynum* Baillon; *S. compressus* Müller Argoviensis; *S. concinnus* Collett & Hemsley; *S. pubescens* J. D. Hooker; *S. quadrangularis* Müller Argoviensis var. *compressus* (Müller Argoviensis) Airy Shaw; *S. rigidus* Thwaites. Shrub. Common.

**94.9.5** *S. stipitatus* Hook. f., Fl. Brit. India 5: 333. 1887. *Breynia gynophora* Welzen & Pruesapan, nom. nov. (Pruesapan 2010); *B. stipitata* (Hook.f.) Chakrab. & N.P. Balakr., comb. nov.; *Aalius stipitata* (Hook. f.) Kuntze. Revis. Gen. Pl. 2: 591. 1891; *Phyllanthus stipitatus* (Hook.f.) Chakrab. & N.P. Balakr., J. Econ. Taxon. Bot. 33: 715 (2009), nom. illeg. **Fart Bush**. Shrub.

**95. PHYTOLACCACEAE** R. Br. in J.H. Tuckey, Narr. Exped. Zaire: 454. 5 Mar 1818, nom. cons. (Pokeweed family). Genus: 1; Species: 1

**95.1 Phytolacca** L.

**95.1.1** *P. acinosa* Roxb., Fl. Ind. ed. 2, 2: 458 (1832). *P. esculenta* Van Houtte; *P. pekinensis* Hance. **Jaringo, Hokling**. Herb. Sparse.

**96. PIPERACEAE** Giseke, Prael. Ord. Nat. Pl.: 123. Apr 1792, nom. cons. (the Pepper Family). Genus: 2; Species: 16

**96.1 Peperomia Ruiz & Pav.**

**96.1.1** *P. heyneana* Miq., Syst. Pip. 123. 1843. *P. duclouxii* C. de Candolle. PH. Less common.

**96.1.2** *P. pellucida* (L.) Kunth, in H. B. K., Nov. Gen. 1: 64 (1816). **Shiny Bush, Slate pencil plant, Pepper elder, Rat's ear, Shiny bush, Silverbush. Luchipata**. AH. Common.

**96.1.3** *P. tetraphylla* (G. Forst.) Hook. & Arn., ; B. Beech. Voy. 97 (1832). *P. reflexa* (Linnaeus f.) A. Dietrich (1831), not *P. reflexa* Kunth (1815); *P. reflexa* (Linnaeus f.) A. Dietrich f. *sinensis* C. de Candolle; *P. tetraphylla* var. *sinensis* (C. de Candolle) P. S. Chen & P. C. Zhu; *Piper tetraphyllum* G. Forster, Prodr. Fl. Ins. Austr. 5: 5. 1786; *P. reflexum* Linnaeus f. PH. Common.

**96.2 Piper** L.

**96.2.1** *P. attenuatum* Buch.-Ham. ex Miq. Syst. Piperac. 306. 1843; Hook.f. in Fl. Brit. India 5: 92. 1886. *P. malamaris* Roxburgh, Fl. India 1: 160. 1832. *P. sirium* C.DC. in DC., Prodr. 16(1): 160. 1869. **Pipal, Chaba**. RP. Less common.

**96.2.2** *P. boehmeriifolium* (Miq.) Wall. ex DC., Prodr. 16(1): 348. 1869. *P. boehmeriaefolia* Wall.; *Chavica boehmeriaefolia*. **False-nettle leaved pepper, Chaba**. SC. Common.

**96.2.3** *P. chuyva* Hunter ex DC. Prodr. 16(1): 353. 1869; Hunter in Asiat. Res. 9: 391. 1809 (Unresolved). **Piper betle**. Climber. Endemic. Common.

**96.2.4** *P. hamiltonii* DC. Prodr. 16(1): 360. 1869; Hook.f. in Fl. Brit India 5: 88. 1886 (Unresolved). **Janglipan**. SC. Less common.

**96.2.5** *P. khasianum* DC. Prodr. 16(1): 349. 1869; Hook.f., Fl. Brit India 5: 89. 1886 (Unresolved). *P. curtistipes* C. DC., Candolle 1: 225. 1923; et 2: 213 – 214. 1925. *P. manii* C. DC., Candolle 1: 196. 1923; et 2: 204. 1925. **Chabro**. SC. Less common.

**96.2.6** *P. longum* L., Sp. Pl. 1: 29. 1753; Roxburgh, Fl. Indica 1: 156. 1820; ed. 2, 1: 156. 1832; Hook.f. in Fl. Brit. India 5: 83. 1886. *Chavica roxburghii* Miquel. in Hooker, Lon. J. Bot. 4: 433. 1845. *P. latifolium* Hunter in Asia. Res. 9: 390. 1809. *P. sarmentosum* Wall., Cat. 6641. 1832. **Long pepper, Indian long pepper; Pipal, Pipla, Pipla-mul, Pipul-mul**. PC. Common.

**96.2.7** *P. mullesua* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 20 (1825). *P. brachystachyum*, *Piper guigual*. **Hill pepper**. PC. Less common.

**96.2.8** *P. nigrum* L., Sp. Pl. ed 1: 29. 1753; Roxburgh, Fl. Indica 1: 150. 1832; Hook.f. in Fl. Brit. Ind. 5: 90. 1886. *P. nigrum* var. *macrostachyum* C. DC.; *P. trioicum* Roxburgh, Fl. Indica 1: 151. 1820. *P. nigrum* var. *trioicum* C. DC. in Prodr. 16(1): 363. 1869. **Golmorich, Kala-mirich**. Climber. Rare. Planted.

**96.2.9** *P. pedicellatum* DC., J. Bot. 4: 164. 1866. *P. curtipedunculatum* C. DC. Climber. Less common.

**96.2.10** *P. pedicellosum* Wall. Numer. List 6646 B 1832 (Unresolved); *P. boehmeriifolium* Wall. (cat. no. 6654. A. 18932, nom. nud.) ex DC. Prodr. 16(1): 348. 1869; Hook.f. in Fl. Brit. India 5: 85. 1886. *P. clarkei* C. DC. in Candolle 1: 186. 1923; et in 2: 192. 1925. *P. nigranebtum* C. DC., Fedde Repart. 14: 199. 1914. *P. pedicellosum* Wallich ex C.DC. sensu Das & Chanda. *P. pedicellosum* Wall. ex C.DC. in DC., Prodr. 16(1): 343. 1869; Hook.F., Fl. Br. Ind. 5: 81. 1887. *Cubeba neesii* Miq. Syst. Piperac. 292. 1843. **Balay chabo & Long pipal**. Climber. Rare.

**96.2.11** *P. peepuloides* Roxb., Fl. Ind. 1: 159 (1820); ed. 2: 157 (1832)(Unresolved). *Chavica peepuloids* Miq., *Peperomia peepuloides* A. Dietr. **Wild pepper, Long pepper, Peepul, Pippul**. PS. Common.

**96.2.12** *P. suipigua* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 20. 1925. *P. nepalense* Miq., Syst. Pip. 318 (1843). *Chavica suipigua* (Buchanan-Hamilton ex D. Don) Miquel. **Dakley chabo**

**96.2.13** *P. sylvaticum* Roxburgh, Fl. India 1: 156. 1832DC. in DC., Prodr., 16(1): 355. 1869; Wallich, Cat. 6653. A.B., 1832; Hook.f. in Fl. Brit. India 5: 84. 1886. *Chavica sylvatica* (Roxburgh) Miquel. *C. thomsonii* C. DC. in DC., Prodr. 16(1): 389. 1869. *P. thomsonii* (C. DC.) Hook.f. in Fl. Brit. India. 5: 87.



1886. **Mountain Long Pepper; Pahari Pipul; Janglipaan.** Climbing herb. Common.

**97. PITTOSPORACEAE** R. Br. in M. Flinders, Voy. Terra Austral. 2: 542. 19 Jul 1814, nom. cons. (the Pittosporum Family). Genus: 1; Species: 1

**97.1 Pittosporum Banks ex Sol.**

**97.1.1 P. napaulense** (DC.) Rehder & E. H. Wilson in Sarg., Pl. Wilson. 3: 326. 1916. *P. floribundum* Wight & Arn., Prodr. Fl. Ind. Orient. 154. 1834 (Gamble's list); *Senacia napaulensis* DC., Prodr. 1: 347. 1824. **Khorsane, Phurke, Prongzam-kúng.** Shrub or small tree. Common.

**98. PLANTAGINACEAE** Juss., Gen. Pl.: 89. 4 Aug 1789, nom. cons. (the Plantain family). Genus: 5; Species: 6

**98.1 Callitriche L.**

**98.1.1 C. stagnalis** Scop., Fl. Carn ed. 2, 2: 251. 1772; Clarke in Hook f., Fl. Brit. Ind. 2: 434, 1879.

**Water-starwort.** PH.

**98.2 Cymbalaria Hill**

**98.2.1 C. muralis** P. Gaertn., B. Mey. & Scherb. 1800. ssp. *visanii* D.A. Webb (1972). *Linaria cymbalaria* (L.) Mill. subsp. *cymbalaria* var. *pilosa* Vis.; *Linaria pilosa* auct., non (Jacq.) DC. **Ivy-leaved toadflax.** PH.

**98.3 Neopicrorhiza D.Y. Hong**

**98.3.1 N. scrophulariiflora** (Pennell) D.Y. Hong, Opera Bot. 75: 56. 1984. *Picrorhiza scrophulariiflora* Pennell. PH. Endangered.

**98.4 Picrorhiza Royle ex Benth.**

**98.4.1 P. kurroa** Royle ex Benth. Scroph. Ind. 47. 1835 (Unresolved). *P. kurroa* Royle, Ill. Bot. Himal. Mts. 291. 1836. PH. Endangered.

**98.5 Plantago L.**

**98.5.1 P. asiatica** ssp. *erosa* (Wall.) Z. Yu Li, Fl. Reipubl. Popul. Sin. 70: 328. 2002. *P. centralis* Pilg.; *P. erosa* Wall. in Roxb., Fl. Ind. 1: 423 (1820). **Nasey Jhar, Sabgol jhar.** PH. Frequent.

**98.5.2 P. major** L., Sp. Pl. 112. 1753. Hook. f., Fl. Brit. Ind. 4: 705. 1885; Das et al. 2008. *P. borysthena*. *P. dregeana*. *P. latifolia*. *P. sinuata*.

**Broadleaved Plantain; Nipple Grass, Waybread; Great plantain; Chamche-jhar.** PH. Common.

**99. PLATANACEAE** T. Lestib., Botanogr. Elém.: 526. 12–19 Jun 1826, nom. cons. (the plane-tree or Sycamore family). Genus: 1; Species: 1

**99.1 Platanus L.**

**99.1.1 P. orientalis** L., Sp. Pl. 999. 1753; Hook. f., l.c.; Brandis, Ind. Trees, 619. 1911; Ghosh & Saha 2013. *P. cuneata* Willd., Sp. Pl. 4: 473. 1797; *P. orientalis* Dode in Bull. Soc. Dendr. Fr. 7: 57. 1908. Palikin in Fl. U.R.S.S. 9: 276. 1939; *Rivinia humilis* L. (1753). **Chinar, Oriental plane.** Tree.

**100. PLUMBAGINACEAE** Juss., Gen. Pl.: 92. 4 Aug 1789, nom. cons. (the leadwort or plumbago family). Genus: 1; Species: 1

**100.1 Plumbago L.**

**100.1.1 P. zeylanica** L., Sp. Pl. 151 (1753). **Chita, Chitu.** PH or Shrub. Rare.

**101. PODOSTEMACEAE** Rich. ex Kunth in F.W.H.A. von Humboldt, A.J.A. Bonpland & C.S. Kunth, Nov. Gen. Sp. 1: ed. qu.: 246. 4–11 Mai 1816, nom. cons. (the riverweed family). Genus: 1; Species: 1

**101.1 Hydrobryum Endl.**

**101.1.1 H. griffithii** (Wall. ex Griff.) Tul., Ann. Sci. Nat. ser. 3, 11: 104. 1849. *Podostemum griffithii* Wallich ex Griffith, Asiat. Res. 19: 105. 1838. AH. Aquatic.

**102. POLEMONIACEAE** Juss., Gen. Pl.: 136. 4 Aug 1789, nom. cons. (Jacob's-ladder or phlox family). Genus: 1; Species: 1

**102.1 Cobaea Cav.**

**102.1.1 C. scandens** Cav. Icon. 1: 2, t. 16, 17. 1791. *Rosenbergia scandens* (Cav.) House, Muhlenbergia 4: 23. 1908. **Cup and saucer vine.** PC.

**103. POLYGALACEAE** Hoffmanns. & Link, Fl. Portug. 1: 62. 1 Sep 1809, nom. cons. (the Milkwort Family). Genus: 2; Species: 7

**103.1 Polygala L.**

**103.1.1 P. arillata** Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 199. 1825; Gamble 1878. *Chamaebuxus arillata* (Buch.-Ham. ex D. Don) Hassk., Ann. Mus. B. Lugd.-Bat. 1: 153. 1863. *Polygala arillata* var. *laeviscarpa* R. N. Banerjee & G. S. Giri, Candollea 42 (2): 557. 1987. **Karima, Marcha, Michepnor-kúng, Luinche phool.** Shrub. Rare.

**103.1.2 P. chinensis** L., Sp. Pl. 2: 704. 1753. *P. glomerata*. AH. Less common.

**103.1.3 P. crotalarioides** Buch.-Ham. ex DC., Prodr. 1: 327 (1824); D. Don, Prod. Fl. Nep. 199. 1825. PH.

**103.1.4 P. linarifolia** Willd., Sp. Pl. 3: 877. 1803. *P. aurata* Gagnep.; *P. brachystachya* Blume; *P. chinensis* var. *brachystachya* (Blume) Blume; *P. chinensis* var. *linarifolia* (Willd.) Chodat. AH or PH.

**103.1.5 P. sibirica** L., Sp. Pl. 702. 1753. var. *elegans* (Wall. ex Royle) H. Hara, J. Jap. B. 47: 272. 1972; in Fl. E. Him. 3: 76. 1975. *P. monopetala* Camb. in Jacq. Voy. Bot. 25.t.27. 1844. *P. sibirica* var. *monopetala* (Camb.) Chodat in Mem. Soc. Phys. Hist. Nat. Geneve. 31 (2) : 349. 1893. R.R. Stewart, Ann. Cat. Vas. Pl. W. Pak. & Kash. 443. 1972. PH.

**103.1.6 Salomonina cantoniensis** Lour., Fl. Cochinch. 1: 14. 1790. *S. cantoniensis* var. *edentula* (Candolle) Gagnepain; *S. edentula* Candolle; *S. subrotunda* Hasskarl. AH.

**103.2 Xanthophyllum Roxb.**

**103.2.1 X. flavescens** Roxb., Pl. Coromandel. 3: 82. 1820. *X. siamense* Craib. Tree.

**104. POLYGONACEAE** Juss., Gen. Pl.: 82. 4 Aug 1789, nom. cons. (the knotweed family or smartweed—buckwheat family). Genus: 9; Species: 38

**104.1 Aconogonon (Meisn.) Rchb.**

**104.1.1 A. molle** (D. Don) H. Hara in Fl. E. Himal. 68 1966 (Unresolved). *Ampelygonum molle* (D. Don) Roberty & Vautier *Persicaria mollis* (D. Don) Gross *Polygonum molle* D. Don **Thrubula**. SC. Common.

**104.2 Antigonon Endl.**

**104.2.1 A. leptopus** Hooker & Arnott in Bot. Beech. Voy. 308.t. 69. 1841. *Corculum leptopus* (Hook. & Arn.) Stuntz in U.S. Dept. Agr. Bur. Pl. Ind. 282: 84. 1913. **Coral vine, Honolulu creeper**. SC.

**104.3 Bistorta (L.) Scop.**

**104.3.1 B. emodi** (Meisner) H. Hara in Fl. E. Himal. 69 1966 (Unresolved). Herb.

**104.4 Fagopyrum Mill.**

**104.4.1 F. acutatum** (Lehm.) Mansf. ex K. Hammer, Verz. Landwirtschaft. Gartn. Kulturpfl. ed. 2, 1: 121. 1986. *F. acutatum* Lehm., Index Seminum (HBG) 1821: 6. 1821; *F. cymosum* (Trevir.) Meisn.; in Wall., Pl. As. Rar. 3: 63 (1832); *F. dibotrys* (D. Don) Hara, Fl. E. Himal. 69. 1966; 2: 22. 1971; Hara in Hara et al., Enum. Fl. Pl. Nep. 3: 174. 1982; *Polygonum dibotrys* D. Don, Prodr. Fl. Nep. 73. 1825; *P. cymosum* Trevir.; Nov. Act. Acad. Caes. Leop.-Carol Nat. Cur. 13: 177 (1826); *P. triangulare* Wall. ex Meisn.; in Wall., Pl. As. Rar. 3: 63 (1832). **Ban Phappar, banogal**. PH. Sparse.

**104.5 Fallopia Adans., not Lour.**

**104.5.1 F. convolvulus** (L.) Á. Löve in Taxon 19: 300. 1970. *Polygonum convolvulus* L. Sp. Pl. 464. 1753; Hook. f., Fl. Brit. Ind. 5: 53. 1886; Kom., Fl. URSS 5: 694. 1936; Cullen & Coode in P.H. Davis, Fl. Turk. 2: 281. 1966; Schiman-Czeika & Rech.f. l.c. 51; R. R. Stewart, Ann. Cat. Vasc. Pl. W. Pak. & Kashm. 205. 1972; Bhopal & Chaudhri, l.c. 70; Bilderdykia convolvulus (L.) Dumort. Fl. Belg. 18: 1827; D.A. Webb in Tutin et al., Fl. Europ. 1: 81. 1964; *Fagopyrum convolvulus* (L.) H. Gross in Bull. Geogr. Bot. 23: 21. 1913; *F. carinatum* Moench, Meth. 290. 1794; *Tiniaria convolvulus* (L.) Webb & Moq. in Webb & Berth. Phyt. Canar. 3: 221. 1847. AH. Common.

**104.6 Persicaria Mill. 1754**

**104.6.1 P. amplexicaulis** (D. Don.) Ronse Decr., Bot. J. Linn. Soc. 98: 368. 1988. *Bistorta amplexicaulis* (D. Don) Greene; *Polygonum amplexicaule* D. Don., Prodr. Fl. Nepal. 70. 1825. *P. amplexicaule* var. *speciosa*. **Chyau phul, Ratnyaulo**. Herb.

**104.6.2 P. barbata** (L.) H. Hara in Fl. E. Himal. 70 1966. *Polygonum barbata* L. **Pire bikh**. PH.

**104.6.3 P. campanulata** (Hook.f.) Ronse Decr., Bot. J. Linn. Soc. 98: 367. 1988. *Aconogonon campanulatum* (Hook.f.) H. Hara in Fl. E. Himal. 67. 1966; *Polygonum campanulatum* Hook.f., Fl. Brit. India 5: 51. 1886; *Reynoutria campanulata* (Hook.f.) Moldenke, Bull. Torrey Bot. Club 68: 675. 1941. **Rapre ghans** US. Common.

**104.6.4 P. capitata** (Buch.-Ham. ex D. Don) H. Gross in Engl. Bot. Jahrb. 49. 277. 1913; Hara in Fl. E. Himal. 70. 1966; in Hara et al., Enum. Fl. Pl. Nepal 3: 175. 1982; Das et al. 2008. *Polygonum capitatum* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 73. 1825; Hook. f., Fl. Brit. Ind. 1: 44. 1886; *P. repens* Wall. ex

Meisn., in Wall., Pl. As. Rar. 3: 60 (1832). **Ratnowlojhar**. PH. Abundant.

**104.6.5 P. chinensis** (L.) H. Gross in Engl. Bot. Jahrb. 49: 269, 277 & 315. 1913; Hara in Fl. E. Him.: 70. 1966; in Hara et al., Enum. Fl. Pl. Nepal 3: 175. 1982. *P. chinensis* var. *brachiata* (L.) H. Gross, ; Fl. E. Him. 71 (1966). *P. chinensis* var. *ovalifolia* (L.) H. Gross, ; Fl. E. Him. 71 (1966). *Polygonum chinense* L., Sp. Pl.: 363. 1753; Meisn. in DC. Prodr. 14: 130. 1857; Hook.f., Fl. Bri. Ind. 5: 44. 1886; *Ampelygonum chinense* (L.) Lindl., ; B. Reg. 24: Misc. 62 (1838). **Lahare Ratnyaul, Kukur thotne**. US. Common.

**104.6.6 P. hydropiper** (L.) Delarbre, Fl. Auvergne ed. 2: 518. 1800. *P. hydropiper* (L.) Opiz; *P. hydropiper* (L.) Spach, Hist. Veg. 10: 536. 1841; Hara in Fl. East. Himal. 2: 23. 1971; in Hara et al. Enum. Fl. Pl. Nepal 3: 176. 1982; *Polygonum hydropiper* L., Sp. Pl. 361. 1753; Hook. f., Fl. Brit. Ind. 5: 39. 1886; excl. var. *eglandulosa* Hook.f.; *P. korrense* Nakai in Bot. Mag. Tokyo 33: 6. 1919; Nakai in Mor. Enum. Pl. Cor. 132. 1922. **Pirre**. PH. Common.

**104.6.7 P. mitis** (Schrank) Holub., Folia Geobot. Phytotax. 8: 177. 1973. *P. hydropiper* subsp. *mite* (Schrank) A. Majeed & Kak in J. Bomb. Nat. Hist. Soc. 517. 1984; *P. hydropiper* subsp. *mite* (Schrank) Munshi et Javeid, l.c. 75. 1986. comb. illegit. *P. mitis* (Schrank) Assenov in Jordanov, Fl. Nar. Rep. Balg. 3: 239. 1966; *Polygonum mite* Schrank, Baier. Fl. 668. 1789; *P. hydropiper* L. var. *eglandulosa* Hook. f., Fl. Brit. Ind. 5: 39. 1886. AH.

**104.6.8 P. nepalensis** (Meisn.) Miyabe, J. Fac. Agric. Hokkaido Imp. Univ. 26: 514 1934; *P. alata* (Buch.-Ham. ex D. Don) Nakai; *P. nepalensis* (Meisn.) H. Gross in Bot. Jahrb. 49: 277. 1913; *Cephalophilon nepalense* (Meisn.) Tzvelev.; *Polygonum alatum* Buch.-Ham. ex D. Don., Syst. Veg. 4: 11, 154 11 1827; *P. nepalense* Meisn., Monog. Polyg. 84, pl. 7, f. 2. 1826; Hook.f., Fl. Brit. Ind. 5: 41. 1886. **Nepal Persicaria**. AH. Common.

**104.6.9 P. orientalis** (L.) Spach, Hist. Nat. Vég. 10: 537. 1841. *Polygonum orientale* L., Sp. Pl. 1: 362. 1753. *Amblygonum orientale* (Linnaeus) Nakai ex T. Mori. **KISS-ME-OVER-THE-GARDEN-GATE; PRINCESS-FEATHER**. AH. Common.

**104.6.10 P. strigosa** (R. BR.) Nakai Rigakkwai 24: 299 1926. *Polygonum strigosum* R. Brown, Prodr. 420. 1810; *P. bodinieri* H. Léveillé & Vaniot; *Tracaulon strigosum* (R. Brown) Greene; *Truellum strigosum* (R. Brown) Soják. **Prickly Smartweed**. Creeping or suberect herb.

**104.6.11 P. wallichii** Greuter & Burdet, Willdenowia 19: 41. 1989. *Aconogonon polystachyum* (Wall. ex Meisn.) M. Král; *Peutalis polystachya* (Wall. Ex Meisn.) Raf.; *Polygonum polystachyum* Wall. ex Meisner in Wallich, Pl. Asiat. Rar. 3: 61. 1832; *Reynoutria polystachya* (Wall. ex Meisn.) Moldenke. Subshrub.

**104.7 Polygonum L.**

**104.7.1 P. delicatulum** Meisn. in Candolle, Prodr. 14(1): 127. 1857. *Koenigia delicatula* (Meisner) H. Hara. Herb.

- 104.7.2** *P. emodi* Meisn. in Wall., Pl. Asia. Rar. 3: 51. t. 287. 1832; Hook. f., Fl. Brit. Ind. 5: 33. 1886; Steward in Contr. Gray Herb. 88: 29. 1930. *Bistorta emodi* (Meisn.) H. Hara, Fl. E. Him. 69 (1966); 2: 22 (1971). H. Hara in H. Hara et al., Enum. Flow. Pl. Nep. 3: 173 (1982); *Persicaria emodi* (Meisn.) Cubey, Hanburyana 1: 15. 2006; *Polygonum meissneri* Wall. Cat. 1693. 1829, nom. nud. (Unresolved). PH.
- 104.7.3** *P. filicaule* Wall. ex Meisner in Wallich, Pl. Asiat. Rar. 3: 59. 1832. *Koenigia nepalensis* D. Don. AH.
- 104.7.4** *P. microcephalum* D. Don, Prodr. Fl. Nepal. 72. 1825. *Persicaria microcephala* (D. Don) H. Gross. PH.
- 104.7.5** *P. molle* D. Don, Prodr. Fl. Nepal. 72. 1825. **Totnye, Tuknu, Patu-swa.** Subshrub.
- 104.7.6** *P. molle* var. *molle* (D. Don) H. Hara, Fl. E. Him. 1: 68 (1966); 2: 21 (1971) in H. Hara et al., Enum. Flow. Pl. Nep. 3: 172 (1982) = synonym of *P. molle*. *Aconogonum molle* (D. Don) H. Hara, Fl. E. Himalaya 68. 1966; *Ampelygonum molle* (D. Don) Roberty & Vautier; *Persicaria mollis* (D. Don) H. Gross. **Thotney, Patu swan.** Shrub. Abundant.
- 104.7.7** *P. molle* var. *frondosum* (Meisner) A. J. Li in C. Y. Wu, Fl. Xizang. 1: 622. 1983 (Unresolved). *Polygonum frondosum* Meisner in Candolle, Prodr. 14(1): 137. 1856; *Aconogonum molle* (D. Don) H. Hara var. *frondosum* (Meisner) H. Hara; *A. molle* var. *paniculatum* (Blume) Yonekura & H. Ohashi; *A. paniculatum* (Blume) Haraldson; *Polygonum paniculatum* Blume; *P. paniculatum* var. *frondosum* (Meisner) Steward.
- 104.7.8** *P. molle* var. *rude* (Meisner) A. J. Li in C. Y. Wu, Fl. Xizang. 1: 622. 1983 (Unresolved). *Polygonum rude* Meisner in Candolle, Prodr. 14(1): 137. 1856; *Aconogonum molle* (D. Don) H. Hara var. *rude* (Meisner) H. Hara; *Persicaria rudis* (Meisner) H. Gross; *Polygonum deflexipilosum* Kitamura; *P. esquirolii* H. Léveillé; *P. paniculatum* Blume var. *rude* (Meisner) Steward; *P. tsangschangicum* Lingelsheim & Borza. Less common.
- 104.7.9** *P. perfoliatum* L., Syst. Nat., ed. 10. 2: 1006. 1759. *Ampelygonum perfoliatum* (Linnaeus) Roberty & Vautier; *Chylocalyx perfoliatus* (Linnaeus) Hasskarl ex Miquel; *Echinocaulon perfoliatum* (Linnaeus) Meisner ex Hasskarl; *Fagopyrum perfoliatum* (Linnaeus) Rafinesque; *Persicaria perfoliata* (Linnaeus) H. Gross; *Tracaulon perfoliatum* (Linnaeus) Greene; *Truellum perfoliatum* (Linnaeus) Soják. AH. Common.
- 104.7.10** *P. plebeium* R. Br., Prodr. Fl. Nov. Holl. 420 (1810). *Polygonum cliffortioides* Meisn. in Wall., Pl. As. Rar. 3: 62 (1832). *Polygonum dryandri* Spreng.; Syst. Veg. 2: 255 (1825). *P. elegans* Aiton, ; H. Kew. ed. 2, 2: 419 (1811). *P. herniarioides* Delile, ; Fl. Aegypt. III. 61 (1813). *P. roxburghii* Meisn.; in DC., Prodr. 14: 93 (1856). **Bethe, Sukul jhaar.** AH.
- 104.7.11** *P. posumbu* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 71. 1825. *Persicaria posumbu* (Buchanan-Hamilton ex D. Don) H. Gross. AH.
- 104.7.12** *P. praetermissum* Hook.f., Fl. Brit. India. 5: 47. 1886. *Persicaria auriculata* S. K. Dixit et al.; *P. hastatauriculata* (Makino ex Nakai) H. Gross ex Nakai; *P. praetermissa* (J. D. Hooker) H. Hara; *Polygonum auriculatum* Makino (1903), not Meisner (1826), nor J. D. Hooker & Thomson (1886); *P. birmanicum* Gage; *P. hastatauriculatum* Makino ex Nakai; *P. thunbergii* var. *hastatotrilobum* subvar. *eciliolatum* H. Léveillé; *Tracaulon praetermissum* (J. D. Hooker) Greene; *Truellum hastatauriculatum* (Makino ex Nakai) Soják; *T. praetermissum* (J. D. Hooker) Soják. PH.
- 104.7.13** *P. pterocarpum* Wall. Numer. List 1690. 1829 (Unresolved). Herb.
- 104.7.14** *P. pubescens* Blume, Bijdr. Fl. Ned. Ind. 532. 1826. *Persicaria flaccida* (Meisner) H. Gross; *P. hydropiper* (Linnaeus) Spach subsp. *flaccida* (Meisner) Munshi & Javeid; *P. pubescens* (Blume) H. Hara; *Polygonum donii* Meisner; *P. flaccidum* Meisn. Prodr. 14(1): 107. 1856; *P. flaccidum* var. *hispidum* (Buchanan-Hamilton ex D. Don) J. D. Hooker; *P. hispidum* (Buchanan-Hamilton ex D. Don) Hook. f. Fl. Brit. India 5: 40. 1886; *P. hydropiper* var. *flaccidum* (Meisner) Steward; *P. hydropiper* var. *hispidum* (Buchanan-Hamilton ex D. Don) Steward; *P. oryzetorum* Blume. PH.
- 104.7.15** *P. runcinatum* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 73. 1825. *Persicaria runcinata* (Buch.-Ham. ex D. Don) H. Gross, Bot. Jaarb. 49: 277. 1913. **Rat naulo.** PH. Abundant.
- 104.7.16** *P. thunbergii* Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(3): 208. 1846. *Polygonum arifolium* Thunberg, Fl. Jap. 168. 1784, not Linnaeus (1753); *Helxine arifolia* Rafinesque; *Persicaria sinica* Migo; *P. thunbergii* (Siebold & Zuccarini) H. Gross; *P. thunbergii* var. *stolonifera* (F. Schmidt) H. Gross ex Nakai; *Polygonum hastatotrilobum* Meisner; *P. pteropus* Hance; *P. sinicum* (Migo) Fang & Zheng; *P. stellatotomentosum* W. W. Smith & Ramas.; *P. stoloniferum* F. Schmidt; *P. thunbergii* var. *stoloniferum* (F. Schmidt) Makino; *Tracaulon thunbergii* (Siebold & Zuccarini) Greene; *Truellum thunbergii* (Siebold & Zuccarini) Soják. AH. Less common.
- 104.8 Rheum L.**
- 104.8.1** *R. acuminatum* Hook. f. & Thomson ex Hook., B. Mag. 81: t. 4877 (1885). Herb. Sparse.
- 104.9 Rumex L.**
- 104.9.1** *R. dentatus* L., Mant. Pl. 2: 226. 1771; Hook. f. Fl. Brit. India 5: 57. 1886. **Ambavati, Banpalungo.** Herb. Common.
- 104.9.2** *R. hastatus* D. Don., Prodr. Fl. Nepal. 74 74 1825; Meisn. in DC., Prodr. 14: 72. 1856; Hook.f., Fl. Brit. Ind. 5: 60. 1886. *R. dissectus* H. Lév., Bull. Acad. Int. Géogr. Bot. 22: 228. 1912. Shrub.
- 104.9.3** *R. nepalensis* Spreng., Syst. 2: 159. 1825; Meisn. in DC., Prodr. 14: 55. 1856; Hook. f., Fl. Brit. Ind. 5: 60.
- 104.9.4** *R. peregrinus* Boiss., Diagn. Pl. Or. Nov. Ser. 1,5: 46. 1844. PH. Abundant.
- 104.9.5** *R. patientia* L., Sp. Pl. 1: 333. 1753. *R. patientia* ssp. *orientalis* (Bernh. ex Schult. f) Danser,

Ned. Kruidk. Arch. 1923: 281. 1924. *R. orientalis* Bernh. ex Schult. f., Syst. Veg. 7: 1433. 1830. AH.

**105. PORTULACACEAE** Juss., Gen. Pl.: 312. 4 Aug 1789, nom. cons. (the purslane family). Genus: 1; Species: 1

**105.1 *Portulaca* L.**

**105.1.1 *P. oleracea* L.**, Sp. Pl. 1: 445. 1753. **Bara laniya; Kulfa saag.** AH. Common.

**106. PRIMULACEAE** Batsch ex Borkh., Bot. Wörterb. 2: 240. 1797, nom. cons. (the primrose family). Genus: 9; Species: 38

**106.1 *Ardisia* Sw.**

**106.1.1 *A. crenulata* Vent.** Choix Pl. t. 5. 1803 (Unresolved). *Parathesis crenulata* (Vent.) Hook. f. ex Hemsl. Biol. Cent.-Amer., Bot. 2(10): 291. 1881. *Ardisia crenulata* Lodd. Bot. Cab. 1: t. 3. 1817. **Chumlani, Denyak.** Shrub or small tree.

**106.1.2 *A. humilis* Vahl.** Symb. Bot. 3: 40. 1794; Gamble 1878. *Ardisia humilis* var. *arborescens* C.B. Clarke, Fl. Brit. India 3(9): 530. 1882; *Bladhia humilis* (Vahl) Sasaki, List Pl. Formosa 324. 1928; *Tinus humilis* (Vahl) Kuntze, Revis. Gen. Pl. 2: 405. 1891. Shrub. Not common.

**106.1.3 *A. involucrata* Kurz.** J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40(2): 68. 1871; Gamble 1878. *Parardisia involucrata* (Kurz) M.P. Nayar & G.S. Giri. Bull. Bot. Surv. India 28(1-4): 248. 1986. **Chumlani; Denyok.** Shrub.

**106.1.4 *A. macrocarpa* Wall.** in Roxb., Fl. Ind. 2: 277. 1824; Gamble 1878. **Himalayan coralberry; Damai phal.** Shrub. Less common.

**106.1.5 *A. neriifolia* Wall.** List no. 2278. 1830, nom. Nud. ex A.DC. Trans. Linn. Soc. London 17: 118. 1834, descry.; C.B. Clarke in Hook. f., Fl. Brit. Ind. 3: 522. 1882. *Ardisia austroasiatica* E. Walker, J. Arnold Arbor. 23: 347. 1942; *A. floribunda* Wall. Fl. Ind. 2: 272. 1824 et List no. 2263. 1830, non Roem. et Schult. (1819). Large shrub or small tree.

**106.1.6 *A. solanacea* (Poir) Roxb., Pl. Coromandel.** 1: 27. 1795. **Damai Phul.** Large shrub or small tree. Common.

**106.2 *Anagallis* L.**

**106.2.1 *A. arvensis* L., Sp. Pl. 1: 148. 1753. Blue Pimpernel, Armale, Krishnanil, Jon Kamari.** AH.

**106.3 *Androsace* L.**

**106.3.1 *A. hookeriana* Klatt, Linnaea.** 32: 293. 1863. PH.

**106.3.2 *A. nepalensis* Derganc, Allg. Bot. Zeitschr.** 10: 110. 1904 (Unresolved). *Androsace lehmannii* Wall. ex Duby in DC., Prodr. 8: 48 (1844). PH.

**106.3.3 *A. umbellata* (Lour.) Merr., Philipp. J. Sci.** 15: 237. 1919 [1920]. *Drosera umbellata* Lour. Fl. Cochinch. 186. 1790. *Primula umbellata* (Lour.) Benth. Fl. Malesiana, Ser. 1, Spermatoph. 6: 19. 1963. **Chhate primula.** AH.

**106.4 *Embelia* Burm.f.**

**106.4.1 *E. floribunda* Wall., in Roxb., Fl. Ind. 2: 291.** 1824. *Ribesiodes floribundum* (Wallich) Kuntze; *Samara floribunda* (Wallich) Kurz. Shrub. Common.

**106.4.2 *E. ribes* Burm. f., Fl. Indica.** 62. pl. 23. 1768. *Embelia ribes* subsp. *ribes*; *Ribesiodes ribes* (N. L. Myanmarn) Kuntze; *Samara ribes* (N. L. Myanmarn) Kurz. **Embelia.** Shrub. Less common.

**106.5 *Lysimachia* L.**

**106.5.1 *L. alternifolia* Wall., in Roxb., Fl. Ind. 2: 26.** 1824 (Unresolved). *Lysimachia glandulosa* Edgew.; *L. quinqueangularis* Buch.-Ham. ex D. Don; *L. tetragona* D. Don), **Himalayan Yellow Loosestrife.** Herb.

**106.5.2 *L. congestiflora* Hemsley in F. B. Forbes & Hemsley, J. Linn. Soc., Bot. 26: 50. 1889. PH.**

**106.5.3 *L. debilis* Wall. in Roxburgh, Fl. Ind. 2: 25.** 1824. PH.

**106.5.4 *L. evalvis* Wall. in Roxburgh, Fl. Ind. 2: 27.** 1824. PH.

**106.5.5 *L. ferruginea* Edgew., ; Tr. Linn. S. 20: 83.** 1846 (Unresolved). PH.

**106.5.6 *L. japonica* Thunberg, Fl. Jap. 83. 1784. PH.**

**106.5.7 *L. javanica* Blume, Bijdr. 736. 1826** (Unresolved). AH.

**106.5.8 *L. laxa* Baudo, Ann. Sci. Nat., Bot., sér. 2, 20:** 347. 1843. *Lysimachia ramosa* Wall. ex Duby, Prodr. 8: 65-66. 1844. PH.

**106.5.9 *L. prolifera* Klatt, Abh. Naturwiss. Naturwiss. Verein Hamburg.** 4(4): 30. 1866. PH.

**106.6 *Maesa* Forssk.**

**106.6.1 *M. argentea* (Wall.) A. DC. Ann. Sci. Nat., Bot., sér. 2, 16: 96, pl. 596. 1841. *Baeobotrys argentea* Wallich in Roxburgh, Fl. Ind. 2: 233. 1824.** Shrub or small tree.

**106.6.2 *M. chisia* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 148. 1825; C.B. Clarke in Fl. Brit. Ind. 3: 509.** 1882. *Maesa prodigiosa* C. Chen. **Bilaunae.** Shrub. Common.

**106.6.3 *M. indica* (Roxburgh) A. de Candolle, Trans. Linn. Soc. London, Bot. 17: 134. 1834. *Baeobotrys indica* Roxburgh, Fl. Ind. 2: 230. 1824. **Kalo Bilaunae.** Shrub. Common.**

**106.6.4 *M. macrophylla* (Wall.) A. DC., Tr. Linn. S. 17: 134. 1834 (Unresolved). *Baeobotrys macrophyllus* Wall., Fl. Ind. 2: 234. 1824; *Maesa tomentosa* D. Don, ; Prodr. Fl. Nep. 148 (1825). **Bhogati.** Shrub or small tree.**

**106.6.5 *M. montana* A. DC., Prodr. 8: 79. 1844. *Maesa argentea* (Wallich) A. de Candolle var. *kwangsiensis* Handel-Mazzetti, *M. castaneifolia* Mez; *M. formosana* Mez; *M. henryi* H. H. Hu; *M. martinii* H. Léveillé. Shrub or small tree.**

**106.6.6 *M. rugosa* C.B. Clarke in J.D. Hooker, Fl. Brit. India. 3: 508. 1882. *Maesa indica* (Roxburgh) A. de Candolle var. *retusa* Handel-Mazzetti. Shrub. Less common.**

**106.7 *Myrsine* L.**

**106.7.1 *M. semiserrata* Wall. in Roxb., Fl. Ind. 2: 293. 1824. *Celastrus cavaleriei* H. Léveillé; C. seguinii H. Léveillé; *Myrsine semiserrata* var. *brachypoda* Z. Y. Zhu. **Bilsi, Beresi, Bilauni, Kalikatha, Karauta, Tungcheong.** Shrub.**

**106.8 *Primula* L.**

**106.8.1 *P. calderiana* Balf. f. & R.E. Cooper, Notes Roy. Bot. Gard. Edinburgh 9(41): 7. 1915. *P.***

*calderiana* I. B. Balfour & Cooper f. *alba* (W. W. Smith) H. Hara; *P. calderiana* var. *alba* (W. W. Smith) W. W. Smith & H. R. Fletcher; *P. laeta* W. W. Smith; *P. roylei* I. B. Balfour & W. W. Smith; *P. roylei* subsp. *calderiana* (I. B. Balfour & Cooper) W. W. Smith & Forrest; *P. roylei* var. *alba* W. W. Smith.

**Purple Golden-Eyed Primrose.** PH.

**106.8.2** *P. capitata* Hook., B. Mag. 76: t. 4550 (1850); in Fl. Br. Ind. 3:486 (1882); in B. Mag. 113; t. 6916B (1887). Ssp. *capitata*; ssp. *crispata* Hook. f., Not. B. G. Edinb. 16: 18 (1928). **Purplehead primrose.** PH. Common.

**106.8.3** *P. denticulata* Smith, Exot. Bot. 2: 109. 1806. ssp. *denticulate*. Neccabu (New.). PH. Common.

**106.8.4** *P. edgeworthii* (Hook. f.) Pax; in Engl., Pflreich IV-237 (Ht. 22): 41 (1905)(Unresolved). **Edgeworth's Primrose.** AH.

**106.8.5** *P. geraniifolia* Hook. f., Fl. Brit. India 3(9): 484-485. 1882. *Primula heucherifolia* Franchet subsp. *humicola* (I. B. Balfour & Forrest) W. W. Smith & Forrest; *P. humicola* I. B. Balfour & Forrest. PH.

**106.8.6** *P. gracilipes* W.G. Craib, Notes Roy. Bot. Gard. Edinburgh 6(29-30): 252. 1917. *Primula petiolaris* var. *nana* Hook. f.; Fl. Br. Ind. 3: 493 (1882), p.p.; *P. scullyi* Craib; Not. B. G. Edinb. 6: 255 (1917). PH.

**106.8.7** *P. ianthiana* Balf.f. & Cave, Notes Roy. Bot. Gard. Edinburgh 9: 175. 1916 (Unresolved). *Aleuritia ianthina* (Balf.f. & Cave) Soják. Herb. Endemic.

**106.8.8** *P. irregularis* Craib, Not. B. G. Edinb. 6: 253. 1917 (Unresolved). Herb.

**106.8.9** *P. kingii* Watt, J. Linn. Soc., Bot. 20: 9. 1882; Fl. Brit. India 3: 491. 1882; Fl. Bhutan 2(2): 538. 1999. *Primula gageana* I.B. Balfour & W.W. Smith, Not. Bot. Gar. Edinb. 9: 18. 1915. Herb. Extremely rare.

**106.8.10** *P. listeri* King ex Hook.f. Fl. Brit. India 3: 485 1882 (Unresolved). *Auganthus listeri* (King) Soják. Cas. Nár. Mus., Odd. Prír. 148: 208. 1979. PH.

**106.8.11** *P. macrophylla* D. Don. Prodr. Fl. Nepal. 80. 1825. PH.

**106.8.12** *P. malacoides* Franc., Bull. Soc. Bot. France. 33: 64. 1886; Ghosh et al. 1978; Das et al. 2008. AH.

**106.8.13** *P. petiolaris* Wall., ; in Roxb., Fl. Ind. 2: 22 (1824); Tent. Fl. Nap. 42, t. 31 (1826); Cat. 18, n. 603 (1829)(Unresolved). *Primula tridentata* D. Don, ; Prodr. Fl. Nep. 77 (1825). AH.

**106.8.14** *P. rotundifolia* Wall. Fl. Ind., ed. 1820 2: 18-19. 1824. *P. cardiophylla* Balf. f. & W.W. Sm.; *P. cordata* Balf. f. ex W.W. Sm. & Forrest; *P. cordifolia* Pax; *P. roxburghii* N.P. Balakr. PH.

**106.8.15** *P. scapigera* (Hook.f.) Craib, Notes Roy. Bot. Gard. Edinburgh. 6: 254. 1917. *Primula petiolaris* Wallich var. *scapigera* J. D. Hooker, Fl. Brit. India 3: 494. 1882. PH. Rare.

**106.8.16** *P. sikkimensis* J. D. Hooker, Bot. Mag. 77: t. 4597. 1851. *Primula microdonta* Franchet ex Petitmengin; *P. microdonta* var. *alpicola* W. W. Smith f. *micromeres* W. W. Smith; *P. pseudosikkimensis* Forrest; *P. pudibunda* W. W. Smith; *P. sikkimensis* J. D. Hooker subsp.

*pseudosikkimensis* (Forrest) W. W. Smith & Forrest; *P. sikkimensis* subsp. *pudibunda* (W. W. Smith) W. W. Smith & Forrest; *P. sikkimensis* var. *hookeri* Stapf; *P. sikkimensis* var. *lorifolia* W. W. Smith; *P. sikkimensis* var. *pudibunda* (W. W. Smith) W. W. Smith & H. R. Fletcher. PH.

**106.9** *Rapanea* Aubl.

**106.9.1** *R. capitellata* (Wall.) Mez., Pflanzenr. IV 236(Heft 9): 356 1902. *Myrsine capitellata* Wall., Fl. Ind., ed. 1820, 2: 295. 1824; Hook. f., Fl. Brit. India 3: 512. 1882 p.p.; *M. wightiana* Wall.; *M. avenis* DC. Shrub to small tree.

**107. PROTEACEAE** Juss., Gen. Pl.: 78. 4 Aug 1789, nom. cons. (the Protea family). Genus: 1; Species: 3

**107.1** *Helicia* Lour.

**107.1.1** *H. cochinchinensis* Loureiro, Fl. Cochinch. 1: 83. 1790; Gamble 1878. *Helicia annularis* W. W. Smith; *H. tonkinensis* Lecomte. Shrub to small tree. Not common.

**107.1.2** *H. nilagirica* Bedd., Madras J. Lit. Sci., ser. 3, 1: 56, pl. 11. 1864; Hook. f., Fl. Brit. India 5: 190. 1886. *Helicia erratica* Hook. f., Fl. Brit. India 5(13): 189-190. 1886. **Bandare.** Tree. Less common.

**107.1.3** *H. robusta* (Roxb.) R. Br. ex Blume, Ann. Sci. Nat., Bot. II, 1: 220. 1834; Hook. f., Fl. Brit. India 5: 191. 1886; Gamble 1878. *Roupala robusta* Roxb., Fl. Ind. 1: 366. 1820. Small tree.

**108. RANUNCULACEAE** Juss., Gen. Pl.: 231. 4 Aug 1789, nom. cons. (the Buttercup Family); Chaudhuri 1993. Genus: 13; Species: 56

**108.1** *Aconitum* L.

**108.1.1** *A. elwesii* Stapf, Ann. Roy. Bot. Gard. Calcutta 10(2): 174. T.112A. 1905; Annals of the Royal Botanic Garden, Calcutta 10(3): t. 112. 1906; Rau in Sharma et al., l.c. 10. Uniyal & Thothathri, 114-115. 1997. *A. uncinatum* sensu Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1:28. 1872; non L. Herb.

**108.1.2** *A. ferox* Wallich ex Ser., Mus. Helvet, 1:160. 1823; Hook.f. & Thoms. in Hook.f., l.c. 28, p.p.; Ann. Roy. Bot. Gard. (Calcutta) 10(3): t. 109. 1906; Rau in Sharma et al., l.c. 12; Uniyal & Thothathri, 115-116. 1997; Hussain & Hore 2007. *Aconitum ferox* var. *naviculare* Brühl, Ann. Roy. Bot. Gard. (Calcutta) 5: 111. 1896. **Indian Aconite, Wolfsbane, Monkshood; Atisingiya, Bikhumma, Bacchang, Meetha zahar, Seto bish** Herb. Rare. Threatened.

**108.1.3** *A. heterophylloides* (Brühl) Stapf Ann. B. G. Calc. 10: 171. 1905; Rau in Sharma et al., l.c. 14; Uniyal & Thothathri, 116. 1997. *A. ferex* Wall. ex Ser. var. *heterophylloides* Brühl in Ann. Roy. Bot. Gard. Calcutta 5: 110. 1896, p.p.; *Aconitum laciniatum* (Brühl) Stapf. in Ann. Roy. Bot. Gard. Calcutta 10(2): 108. 1905; Rau in Sharma et al., l.c. 17; *A. ferex* Wall. ex Ser. Var. *laciniata* Brühl, l.c. 111, p.p.; Uniyal & Thothathri, 116. 1997. **Aconite; Atis, Bikhuma, Kalo Bikhoma, Nirbanshi.** Herb.

**108.1.4** *A. heterophyllum* Wall. ex Royle var. *bracteatum* Stapf. in Annals of the Royal Botanic

Garden, Calcutta, 10(3): t. 100, 154. 1905. *Aconitum kashmiricum* Stapf ex Coventry. **Indian Atish, Atis Root; Patris.** PH. Rare.

**108.1.5** *A. lethale* Griff., Not. Pl. Asiat. 4: 732 1854. *Aconitum spicatum* (Brühl) Stapt. in Ann. Roy. Bot. Gard. Calcutta 10(2): 165, t.106 & 107. 1905; Rau in Sharma et al., l.c. 22; Uniyal & Thothathri, 116-117. 1997.

*A. ferex* var. *spicata* Brühl, l.c. 111, l.c. 110 et vars. Crassicaulis, heterophylloides p.p. & laxiflora. **Nepal aconite; Bisjara, Nilo Bikh, Nyine.** PH. Rare. Endangered.

**108.1.6** *A. napellus* L., Sp. Pl. 532. 1753 ssp. *vulgare* (DC.) Rouy & Fouc. Fl. France 1: 142. 1893. *Delphinium napellus* (L.) Baill. *A. spicatum* (Bruhl) Stapf. **Aconite, Monkshood.** PH. Rare.

**108.1.7** *A. novoluridum* Munz in Annals of the Royal Botanic Garden, Calcutta, 10(3): t. 93. 1906; Gentes Herb. 6: 472. 1945; Rau in Sharma et al., l.c. 21; Uniyal & Thothathri, 116. 1997. Plate 259. *A. luridum* Hooker & Thomson. 1855 in Hook.f., l.c. 28, not Salisbury (1796, nom. illeg., included *A. variegatum* L.). Herb.

**108.1.8** *A. palmatum* D. Don. Prodr. Fl. Nepal. 196. 1825; Annals of the Royal Botanic Garden, Calcutta 10(3): t. 102. 1906; Biswas, Plants of Darjeeling & Sikkim Himal. 1:94. 1966. *Aconitum ferox* subsp. *palmatum* (D. Don) Brühl. Ann. Roy. Bot. Gard. (Calcutta) 5: 111. 1896; *A. bisma* (Buch.-Ham.) Rap. in Növényt. Közlem. 6:164. 1907, Rau in Sharma et al., Fl. India 1:7. 1993; Uniyal & Thothathri, 114. 1997; Chhetri et al. 267. 2005; *Caltha bisma* Buch.-Ham. in Brewst. Edinb. J. Sci. 1: 251.1824. **Aconite, Crowfoot; Kalo Bikhma; Bikhuma, Seto Bikhma, Surja Haushi.** PH. Rare. Endangered.

**108.1.9** *Actaea cimicifuga* L., Sp. Pl. 1: 504. 1753. *Cimicifuga foetida* L., Syst. Nat. ed. 12, 2: 659. 1767; Hook. f. & Thoms. in Hook. f., l.c., 30; Hara, l.c. 88; Rau in Sharma et al., l.c. 51. **Gya tsi goepa.** PH. Occasional.

## 108.2 *Anemone* L.

**108.2.1** *A. griffithii* Hook. f. & Thoms., Fl. Ind. 21. 1855 et in Hook. f., Fl. Brit. India 1:8. 1872; Rau in Sharma et al., l.c. 31; Biswas, Pl. Darjeeling & Sikkim Himal. 1:94. 1966; Uniyal & Thothathri, 117. 1997. Suffrutescent herb.

**108.2.2** *A. hupehensis* (É.Lemoine) É.Lemoine, Cat. 176: 40. 1910 (Unresolved). *Anemone japonica* (Thunberg) Siebold & Zuccarini var. *hupehensis* Lemoine, Lemoine's Cat. 170: 42. 1908.

**108.2.3** *A. obtusiloba* D. Don. Prodr. Fl. Nep. 194. 1825; Hook. f. & Thoms. in Hook. f., l.c. 8; Rau in Sharma et al., l.c. 32; Uniyal & Thothathri, 117. 1997. Ssp. *obtusiloba*. **Blue Himalayan Anemone, Blue Buttercup, Himalayan Thimbleweed; Kawashud, Ratan jot, Jarlyoung reep, Rikabe.** PH. Less common.

**108.2.4** *A. rivularis* Buch.-Ham. ex DC., Syst. Nat. 1: 211. 1818; Hook. F. & Thoms. in Hook. f., l.c. 9; Hara, Fl. East Himal. 1: 87. 1966; Rau in Sharma et al., l.c. 35. **Haatti paatile, Sukpa.** Suffrutescent herb.

**108.2.5** *A. rupicola* J.Cambessèdes, Voy. Inde. 4(Bot.): 5. 1844. [Recently renamed as *Eriocapitella rupicola* (Cambess.) Pusalkar, D.K.Singh & S.K. Srivast. In Indian J. Forest. 35(1): 108. 2012, but not accepted in The Plant List 2013] *Anemone batangensis* Finet; *Anemone rupestris* Jacquem. Ex Cambess. [Invalid]; *Anemone rupicola* var. *glabriuscula* Hook.f.&Thomson; *Anemone rupicola* subsp. *reniformis* R.P.Chaudhary; *Anemone rupicola* var. *sericea* Hook.f. & Thomson; *Anemone rupicola* subsp. *sericea* (Hook.f. & Thomson) R.P.Chaudhary). **Rock Anemone, Wood anemone.** Suffrutescent herb.

**108.2.6** *A. vitifolia* Buch.-Ham. ex DC., Syst. Nat. 1: 211. 1818; Hook. f. & Thoms. in Hook. f., l.c. 40. **Maaure Mulo.** Suffrutescent herb.

## 108.3 *Calathodes* Hook.f. & Thomson

**108.3.1** *C. palmata* Hook. f. & Thomson, Fl. Ind. 1: 41. 1855; in Fl. Br. Ind. 1: 22. 1872; Rau in Sharma et al., l.c. 44; Grammie in Rec. Bot. Surv. India 1(2):3. 1894. Herb.

## 108.4 *Caltha* L.

**108.4.1** *C. palustris* L., Sp. Pl. 588. 1753; Hook. f. & Thoms. In Hook. f., l.c. 21; Rau in Sharma et al., l.c. 47. *C. govaniiana* Wall. ex Royle, 3. Bot. Himal. 54. 1834; Hara, l.c. 87; *C.p.* var. *himalensis* (D. Don) Mukerjee, Bull. B. Surv. Ind. 2: 105. 1960. **Eka aankhle phul.** PH.

**108.4.2** *C. scaposa* Hook. f. & Thomson, Fl. Ind. 1: 40. 1855; in Fl. Br. Ind. 1: 21. 1872; Rau in Sharma et al., l.c. 49; Biswas l.c. Herb.

## 108.5 *Clematis* L.

**108.5.1** *C. acuminata* DC., Syst. Nat. 1: 148. 1817; Gamble 1878; Rau in Sharma et al., l.c. 56. *C. acuminata* var. *hookeriana* Allan, Fl. New Zealand 1 : 169. 1961; *C. acuminata* ssp. *sikkimensis* (Hook. f. & Thoms) Brühl in Ann. Roy. Bot. Gard. Calcutta 5:75. 1896; *C. acuminata* var. *sikkimensis* Hook. f. & Thoms. in Hook, f., l.c. 6. **Ransag, Pinase Lahara.** SC. Rare.

**108.5.2** *C. andersonii* (C.B. Clarke ex Ktze) Eichler in Bibl. Bot. Stuttgart 124:47. 1958; Rau in Sharma et al., l.c. 57; Kapoor in Bull. Nat Bot. Gard. Lucknow 124: 11. 1968. *C. smilacifolia* Wall. var. *andersonii* C.B. Clarke ex O. Ktze., Verh. Bot. Ver. Brandenb. 26. 167. 1885. Climber.

**108.5.3** *C. buchananiana* DC., Syst. Nat. 1: 140. 1818; Hook. f. & Thoms. in Hook. f., l.c. 6; Gamble 1878; Rau in Sharma et al., l.c. 60. **Abijalo, Chhagalbati, Pinase lahara.** Shrubby climber. Vulnerable. Common.

**108.5.4** *C. connata* DC., Prodr. 1: 4. 1824; Fl. Brit. Ind. 1: 6. 1872. **Bhainse lahara.** Climber. Less common.

**108.5.5** *C. florida* Thunb Syst. Veg. ed. 14 512 1784. *Anemone japonica* Houtt. Suffrutescent herb.

**108.5.6** *C. gouriana* Roxb. ex DC., Syst. Nat. 1: 138. 1817; Hook. f. & Thoms.in Hook. f., Fl. Brit. India 1: 4. 1872; Gamble 1878; Rau in Sharma et al., l.c. 64. **Junge lahara, Chagalbati.** Climber. Less common.

- 108.5.7** *C. greuiiflora* DC., Syst. Nat. 1: 140. 1817; Hook. f. & Thoms. in Hook. f., l.c. 6; '*greuiiflora*'. Gamble 1878; Rau in Sharma et al., l.c. 66. **Bhere kuro**. Climber. Common.
- 108.5.8** *C. montana* Buch.-Ham. ex DC., Syst. Nat. 1: 164. 1817; Gamble 1878; Rau in Sharma et al., l.c. 69; Kapoor, Bull. Nat. Bot. Gard. Lucknow 124:49. 1968. Two varieties found- *chumbica* P.B. and *praecox* O. Ktze. in Verh. Bot. Ver. Brandenb. 26: 142. 1885 in Phalut, 3300-3600 m (Chaudhuri 1993). Climber. Rare in wild.
- 108.5.9** *C. napaulensis* DC., Syst. Nat. 1: 164. 1818; Hook. f. & Thoms. in Hook. f., l.c. 3; Rau in Sharma et al., l.c. 71; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 96. 1966. **Imgo nak po**. SC. Common.
- 108.5.10** *C. puberula* Hook. f. & Thoms., Fl. Br. Ind. 1: 4. 1872; Biswas, l.c. 97; Rau in Sharma et al., l.c. 74. *Clematis parviloba* var. *puberula* (Hook. f. & Thoms.) Kuntze, Verh. B. Ver. Brand. 26: 148. 1885. Climber.
- 108.5.11** *C. siamensis* Drumm. & Craib Bull. Misc. Inform. Kew 1915: 420 1915. Climber.
- 108.5.12** *C. smilacifolia* Wall., Asiat. Res. 13: 402. 1820; Hook. f. & Thoms. in Hook. f., l.c. 3; Gamble 1878; Rau in Sharma et al., l.c. 75. SC. Rare.
- 108.5.13** *C. tongluensis* (Brühl) Tamura, Acta Phytotax. Geobot. Kyoto 19: 77. 1962; Rau in Sharma et al., l.c. 75. *C. montana* var. *tongluensis* Brühl, Ann. Roy. Bot. Gard. Calc. 5: 75. 1896. Climber.
- 108.6 Delphinium L.**
- 108.6.1** *D. caeruleum* Jacq. ex Camb. in Jacq., Voy. 4 (Bot.): 7, t. 6. 1843; Hook. f. & Thoms. in Hook. f., l.c. 25; Biswas, l.c.; Rau in Sharma et al., l.c. 88. Herb.
- 108.6.2** *D. glaciale* Hook. f. & Thomson, Fl. Ind. 1: 53. 1855 in Fl. Br. Ind. 1: 27. 1872; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 104. 1966; Rau in Sharma et al., l.c. 92. Herb.
- 108.6.3** *D. pyramidale* Royle, Ill. B. Him. 56. 1834; Rau in Sharma et al., l.c. 98. *D. speciosum* Bieb. var. *pyramidale* (Royle) Mukherjee in Bull. Bot. Surv. India 2: 293. 1961; *D. elatum* L. var. *ranunculifolium* Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 26. 1872. Herb.
- 108.6.4** *D. viscosum* Hook. f. & Thoms, Fl. Ind. 1: 52. 1855 in Fl. Br. Ind. 1: 27. 1872; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 104. 1966. Herb.
- 108.7 Dichocarpum W.T.Wang & P.K.Hsiao**
- 108.7.1** *D. adiantifolium* (Hook. f. & Thoms.) W.T. Wang & P.K. Hsiao in Acta Phytotax. Sin. 9: 325. 1964; Tamura & Lauener in Notes Roy. Bot. Gard. Edinb. 28: 267-273. 1968; Rau in Sharma et al., l.c. 102. *Isopyrum adiantifolium* Hook. f. & Thoms., Fl. Ind. 1: 42. 1855; in Fl. Br. Ind. 1: 23. 1872. AH or PH.
- 108.8 Halerpestes Greene**
- 108.8.1** *H. tricuspis* (Maxim.) Hand-Mazz. in Acta Hort. Gotob. 13: 135. 1940; Rau in Sharma et al., l.c. 103. *Ranunculus tricuspis* Maxim. Fl. Tangut. 12. 1889; *R. cymbalariae* Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 17. 1872, p.p. non Pursh. Herb.
- 108.9 Naravelia DC.**
- 108.9.1** *N. zeylanica* (L.) DC., Syst. Nat. 1: 167. 1817; Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 7. 1872; Gamble 1878; Rau in Sharma et al., l.c. 106. *Atragene zeylanica* L., Sp. Pl. 542. 1753. **Rashgagri, Tumbum chilop, Chaul-bati, Muruche**. SC. Common.
- 108.10 Oxygraphis Bunge**
- 108.10.1** *O. endlicheri* (Walp.) Bennet & Chandra in Ind. For. 108: 374. 1982; Rau in Sharma et al., l.c. 109. *Callianthemum endlicheri* Walp. Rep. 1:33. 1842; *O. polypetala* Hook. f. & Thoms., Fl. Ind. 27. 1855 in Hook. f., Fl. Brit. India 1: 21. 1872; Biswas l.c. Herb.
- 108.11 Ranunculus L.**
- 108.11.1** *R. adoxifolius* Hand.-Mazz., Acta H. Gotob. 13: 152. 1939; 9; Mukerjee in Bull. Bot. Surv. India 2:102. 1960; Hara in Fl. East. Himal. 2: 30. 1971; Rau in Sharma et al., l.c. 115. *R. affinis* non *R. Br.*; Hook. f. & Thoms. in Hook. f., Fl. Brit. India 1: 18. 1872, p.p.; *R. caespitosus* Wall. [Cat. no.4701] ex Hook.f. & Thomson in Fl. Ind. 1: 33.1855 (non Thuill., 1799). Prostrate herb.
- 108.11.2** *R. brotherusii* Freyn, Bull. Herb. Boiss. 6: 885. 1898; Hara, Fl. East Himal. 1: 90.1966; Rau in Sharma et al., l.c. 116. *Ranunculus brotherusii* var. *brotherusii*; *R. brotherusii* var. *tanguticus* (Fin. & Gagnep.) Tamura, Acta Phyt. Geobot. 23: 31 & 105. 1968; *R. affinis* auct. Non *R. Br.*; Hook. f. & Thoms. in Hook. f., l.c. 18, p.p. Herb.
- 108.11.3** *R. diffusus* DC., Prodr. 1: 38. 1824; Hook.f. & Thomson, Fl. Ind. 1:36. 1855 & in Hook.f., Fl. Brit. India 1:19. 1872; Rau in Sharma et al., l.c. 119. **Nakkore jhar**. AH. Less common.
- 108.11.4** *R. ficariifolius* H. Lévl. & Vaniot, Bull. S. B. Fr. 51: 289. 1904; Rau in Sharma et al., l.c. 120; Biswas, Pl. Darjeeling & Sikkim Himal.1: 100. 1966. *R. flaccidus* Hook. f. & Thoms., Fl. Ind. 38. 1855 & et in Hook. f., Fl. Brit. India 1: 20. 1872; non Pers. PH.
- 108.11.5** *R. laetus* Wall. ex Hook. f. & J.W. Thomson, Fl. Ind. 36. 1855; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 99. 1966; Rau in Sharma et al., l.c. 122. *R. cassius*. PH.
- 108.11.6** *R. pulchellus* C.A. Meyer, Fl. Altaic. 2: 333. 1830. *Ranunculus pulchellus* var. *stracheyanus* (Maxim.) Hand.-Mzt. PH.
- 108.11.7** *R. repens* L., Sp. Pl. 1: 554. 1753. PH.
- 108.11.8** *R. sceleratus* L., Sp. Pl. 551. 1753; Hook. f. & Thoms. in Hook. f., l.c. 19; Rau in Sharma et al., l.c. 128. *R. sceleratus* var. *umbellatus* (Roxb. Ex Willd.) DC., Syst. Nat. 1: 269. 1817. **Polica Nakkore**. AH. Common on marshy areas.
- 108.12 Thalictrum L.**
- 108.12.1** *T. chelidonii* DC., Prodr. 1: 11. 1824; Hook. f. & Thoms. in Hook. f., l.c. 11; Biswas, l.c. 101; Rau in Sharma et al., l.c. 134. *Thalictrum chelidonii* var. *cysticarpum* (Wall.) Hook. f. & Thomson, Fl. Ind. 1: 13. 1855. PH.
- 108.12.2** *T. cultratum* Wall., Pl. As. Rar. 2: 26. 1831; Cat. 130, n. 3715. 1831; Hook. f. & Thoms. in Hook. f., l.c. 11; Rau in Sharma et al., l.c. 134. *Thalictrum chelidonii* var. *cultratum* (Wall.) Hook. f. & Thomson, Fl. Ind. 1: 13. 1855. Tall herb.

**108.12.3** *T. foliolosum* DC., Syst. Nat. 1: 75. 1818; Hook. f. & Thoms. in Hook. f., l.c. 14; Rau in Sharma et al., l.c. 136. **Dampate**. Suffrutescent herb.

**108.12.4** *T. javanicum* Blume, Bijdr. 2. 1826; Hook. f. & Thoms. in Hook. f., l.c. 13; Rau in Sharma et al., l.c. 136. Herb.

**108.12.5** *T. mimus* L., Sp. Pl. 546. 1753; Hook. f. & Thoms. in Hook. f., l.c. 14; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 102. 1966; Rau in Sharma et al., l.c. 137. Herb.

**108.12.6** *T. reniforme* Wall., Pl. As. Rar. 2: 26. 1831; Cat. 130, n. 3716. 1831; Hook. f. & Thoms. in Hook. f., l.c. 11; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 100. 1966; Rau in Sharma et al., l.c. 140. *Thalictrum chelidonii* var. *reniforme* (Wall.) Hook. f. & Thomson, Fl. Ind. 1: 13. 1855. Herb.

**108.12.7** *T. rostellatum* Hook. f. & Thomson, Fl. Ind. 1: 15. 1855; in Fl. Br. Ind. 1: 12. 1872; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 102. 1966; Rau in Sharma et al., l.c. 140. Herb.

**108.12.8** *T. saniculiforme* DC., Prodr. 1: 12. 1824, Hook. f. & Thoms., Fl. Ind. 1: 15. 1855 in Fl. Br. Ind. 1: 13. 1872; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 101. 1966; Rau in Sharma et al., l.c. 141. Herb.

**108.12.9** *T. virgatum* Hook. f. & Thomson, Fl. Ind. 1: 14. 1855; in Fl. Br. Ind. 1: 12. 1872; Biswas, Pl. Darjeeling & Sikkim Himal. 1: 101. 1966; Rau in Sharma et al., l.c. 143. Herb.

### **108.13** *Trollius* L.

**108.13.1** *T. pumilus* D. Don. Prodr. Fl. Nepal. 195 1825. Herb.

**109. RHAMNACEAE** Juss., Gen. Pl.: 376. 4 Aug 1789, nom. cons. (the Buckthorn family). Genus: 8; Species: 15

### **109.1** *Berchemia* DC.

**109.1.1** *B. flavescens* (Wall.) Wall. ex Brongniart, Mém. Fam. Rhamnées. 50. 1826; in Ann. Sci. Nat. 10: 357 (1827); Wall., Cat. 149, n. 4255 (1829). *Ziziphus flavescens* Wallich in Roxburgh, Fl. Ind. 2: 367. 1824. **Ghugi**. Shrub.

**109.1.2** *B. floribunda* (Wallich ex Roxb.) Brongniart, Mém. Fam. Rhamnées. 50. 1826; in Ann. Sci. Nat. 10: 357, t. 13, 1. 1827; Gamble 1878. **Chiaduk, Rungyeong-rik**. Shrub.

### **109.2** *Gouania* Jacq.

**109.2.1** *G. leptostachya* DC., Prodr. 2: 40. 1825; Gamble 1878. **Batwasi, Tungcheongmon-rik**. SC. Common.

**109.2.2** *G. napalensis* Wall., in Roxb., Fl. Ind. 2: 417. 1824. SC.

### **109.3** *Hovenia* Lindl.

**109.3.1** *H. dulcis* Thunb., Nov. Gen. Pl. 8. 1781. *H. dulcis* var. *acerba* (Lindl., B. Reg. 6: t. 501 (1820) Sengupta & Safui. **Bangee kath**. Tree, rarely shrub.

### **109.4** *Pomaderris* Labill.

**109.4.1** *P. apetala* Labill., Nov. Holl. Pl. 1: 52. 1805 (Unresolved). *Pomatoderris apetala* (Labill.) Schult. **Dogwood**. Shrub.

### **109.5** *Rhamnus* L.

**109.5.1** *R. napalensis* (Wall.) M. A. Lawson, Fl. Br. Ind. 1: 640. 1875, '*nipalensis*'. Gamble 1878.

*Ceanothus napalensis* Wallich in Roxburgh, Fl. Ind. 2: 375. 1824 ["*napalensis*"]. **Achal**. Shrub.

**109.5.2** *R. purpurea* Edgew., ; Tr. Linn. S. 20: 44 (1846). Lawson in Hook. f., l.c.; Brandis, For. Fl. 91. 1874. small tree.

**109.5.3** *R. virgata* Roxb., Fl. Ind. 2: 351. 1824; Gamble 1878. *R. virgatus* var. *virgatus*. Shrub or small tree.

### **109.6** *Sageretia* Brongn.

**109.6.1** *S. hamosa* (Wallich) Brongniart, Mém. Fam. Rhamnées. 53. 1826; in Ann. Sci. Nat. 10: 360 (1827). Shrub.

### **109.7** *Ventilago* Gaertn.

**109.7.1** *V. denticulata* Willd., Ges. Naturf. Fr. Neue Schr. 3: 417. 1801. *Ventilago calyculata* Tul. in Am. Sci. Nat. Bot. Ser. 4.8.124.1857; Fl. Brit Ind. 1: 163. 1875. Climber. Rare.

### **109.8** *Ziziphus* Mill.

**109.8.1** *Z. apetala* Hook. f. ex M. A. Lawson, ; in Fl. Br. Ind. 1: 635 (1875), ut '*Zizyphus*'. H. Hara in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 92 (1979)(Unresolved). Shrub.

**109.8.2** *Z. jujuba* Mill., Gard. Dict. ed. 8 1. 1768. *Rhamnus jujuba* L., Sp. Pl. 1: 194. 1753; *Rhamnus zizyphus* L., Sp. Pl. 1: 194. 1753; *Ziziphus jujuba* (L.) Lam., Encycl. 3(1): 318-319 (Gamble's list). 1789; *Ziziphus jujuba* (L.) Gaertn., Fruct. Sem. Pl. 1: 203 203 1788; *Z. mauritiana* Lamarck, Encycl. 3: 319. 1789; *Zizyphon jujubum* St.-Lag., Ann. Soc. Bot. Lyon 7: 70. 1880. **Baer, Bogri, Kul, Singli**. Shrub or small tree.

**109.8.3** *Z. rugosa* Lam., Encycl. 3: 319. 1789; Gamble 1978. *Rhamnus rugosa* Lamk. **Dumarai, Rukh Baer**. Shrub or small tree.

**109.8.4** *Z. xylopyrus* (Retz.) Willd., Sp. Pl., ed. 4 [Willdenow] 1(2): 1104. 1798; Hook. f., Fl. Brit. India 1: 636. 1875. *Rhamnus xylopyrus* Retz., Obs. Bot. 2: 11. 1781. Small tree. Common.

**110. RHIZOPHORACEAE** Pers., Syn. Pl. 2: 2. Nov 1806, nom. cons. (Mangrove family). Genus: 1; Species: 1

### **110.1** *Carallia* Roxb. [(nom. cons.)]

**110.1.1** *C. brachiata* (Lour.) Merr., Philipp. J. Sci. 15: 249. 1920. *Diatoma brachiata* Loureiro, Fl. Cochinch. 1: 296. 1790; *Carallia integerrima* Candolle; *C. sinensis* Arnott; *Petalotoma brachiata* (Loureiro) Candolle. **Kathe kera**. Tree. Common.

**111. ROSACEAE** Juss., Gen. Pl.: 334. 4 Aug 1789, nom. cons. (the Rose and Apple family). Genus: 28; Species: 132

### **111.1** *Agrimonia* L.

**111.1.1** *A. eupatoria* L. Sp. Pl. 1: 448. 1753. *Agrimonia odorata*. PH.

**111.1.2** *A. pilosa* Ledeb., Index Seminum Hort. Dorpat., Suppl. 1. 1823. *Agrimonia pilosa* var. *nepalensis* (D. Don) Nakai, Bot. Mag. (Tokyo). 47: 247. 1933. **Bherakuro Kathalange** (Ch). AH.

### **111.2** *Aruncus* L.

**111.2.1** *A. dioicus* (Walter) Fernald, Rhodora 41: 423 (1939) ssp. *triternatus* (Maxim.) H. Hara, Fl. E. Him.



2: 50 (1971); in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 133 (1979). *Aruncus vulgaris* Raf. Sylva Tellur. 152. 1838; *A. dioicus* var. *triternatus* (Maxim.) H. Hara, ; J. Jap. B. 30: 68 (1955); in Fl. E. Him. 119 (1966); *A. sylvester delta triternata* (Wall.) Maxim.; Act. H. Petrop. 6: 171 (1879); *A. sylvester* Kostel. ex Maxim.; :F. & Fl. Nep. Him. 147 (1955); *Actaea dioica* Walter, ; Fl. Carol. 152 (1788); *Spiraea aruncus* L., D. Don, Prodr. Fl. Nep. 228 (1825). PH.

### 111.3 *Chaenomeles* Lindl.

**111.3.1 *C. japonica*** (Thunb.) Lindl. ex Spach., Hist. Nat. Veg. 2: 159. 1834. *Cydonia japonica* (Thunb.) Pers.; *Pyrus japonica* Thunb. Nova Acta Regiae Soc. Sci. Upsal. 3: 208. 1780. Shrub.

### 111.4 *Cotoneaster* Medik.

**111.4.1 *C. acuminatus*** Wall ex Lindl., Tr. Linn. S. 13: 101, t. 9 (1822). *Mespilus acuminata* Loddiges. Bot. Cab. 16: , pl. 1522, 1829. **Dhalke phool.** Shrub.

**111.4.2 *C. confusus*** G. Klotz ex Arv. Kumar & Panigrahi. Bull. Bot. Surv. India 31(1-4): 108. 1989 (Unresolved). Tree.

**111.4.3 *C. frigidus*** Wall. ex Lindl., B. Reg. 15: t. 1229 (1829). *Cotoneaster himalaiensis* Hortorum ex Zabel. Mitt. Deutsch. Dendrol. Ges. 1897(6): 271. 1897. **Chhar.** Shrub or small tree. Common.

**111.4.4 *C. griffithii*** G. Klotz. Wiss. Z. Friedrich-Schiller-Univ. Jena, Math.-Naturwiss. Reihe 19(3): 340. 1970 (Unresolved). Shrub. Common.

**111.4.5 *C. insignis*** Pojark. Fl. URSS 9: 330 (1939). *Cotoneaster lindleyi* auct. Shrub or small tree.

**111.4.6 *C. microphyllus*** Wall. ex Lindl., B. Reg. 13: t. 1114. 1827; 15: in nota sub t. 1229. 1829. *Cotoneaster microphyllus* var. *glacialis* Baker in Saunders, Refug. B. 1: t. 51 (1869). **Brush jhar, Khareto.** Shrub. Common.

**111.4.7 *C. nitidus*** Jacques, ; J. S. Imp. Centr. H. 3: 516 (1859). Shrub.

**111.4.8 *C. pannosus*** Franch., Pl. Delavay. 223. 1890. Shrub.

**111.4.9 *C. rotundifolius*** Wall. ex Lindl., ; B. Reg. 15: t. 1229 in nota (1829). *Cotoneaster distichus* var. *tongolensis* C.K. Schneid. *C. microphyllus* Wallich ex Lindley var. *rotundifolius* (Wallich ex Lindley) Wenzig; *C. microphyllus* var. *lanatus* Wall. ex Lindl., Ill. Handb. Laubh. 1: 759 (1906); *Cotoneaster microphyllus* var. *uva-ursi* Lindl.; *Cotoneaster prostratus* Baker; *Cotoneaster rotundifolius* var. *tongolensis* (C.K. Schneid.) Rehder. J. Arnold Arbor. 11(3): 161. 1930. Shrub.

**111.4.10 *C. sandakphuensis*** Klotz, Bull. B. Surv. Ind. 5: 213 (1963)(Unresolved). *Cotoneaster microphyllus* var. *glacialis* Cowan & Cowan, Tr. N. Beng. 63 (1929); non Hook. f. (1878). Shrub. Endemic.

### 111.5 *Crataegus* Tourn. ex L.

**111.5.1 *C. clarkii*** Hook. f., Fl. Brit. India [J. D. Hooker] 2: 383. 1878 [Jul 1878]. *C. laevigata* (Poir.) DC. Shrub or small tree.

### 111.6 *Docynia* Decne.

**111.6.1 *D. indica*** (Wall.) Decne., Nouv. Arch. Mus. Paris 10: 131, t. 14 (1874); Hook. f., Fl. Brit. India 2: 369. 1878; C.B. Clarke in J. Linn. Soc. 25: 20. 1887;

Gamble, man. Ind. Timb. 320. 1902; Brandis, Ind. Trees 289. 1906; Biswas in Fl. Darj. 321. 1966; Cowan & Cowan, N. Beng. 61. 1929. *Pyrus indica* Wall., Pl. As. Rar. 2: 56, t. 173 (1831); *Cydonia indica* (Wall.) Spach, Suite Buff. 2: 158. 1834; Wenzig in Linnaea, 12. 1974; *Eriolobus indica* (Wall.) C.K. Schneid., Ill. Handb. Laubholz.1: 730. 1906; *Docynia griffithiana* Decne. Nouv. Arch. Mus. Paris, 10: 131. 1874. *D. indica* (Wall.) Decne. var. *griffithiana* (Decne.) Ghora in Bull. Bot. Surv. India 47(1-4): 149-150. 2005. **Indian crab apple, false quince; Likung, Mehul, Passy, Ekere.** Tree. Rare.

**111.6.2 *D. indica*** var. *griffithiana* (Decne.) Ghora in Bull. Bot. Surv. India 47(1-4): 149-150. 2005.

### 111.7 *Duchesnea* Smith

**111.7.1 *D. indica*** (Jacks) Focke, Nat. Pflanzenfam. 24[III,3]: 33. 1888. *Fragaria indica* Andrews; B. Repos. 7: t. 479 (1807). *Potentilla indica* (Andrews) Wolf; in Asch. & Graebn., Syn. Mitt.-Eur. Fl. 6(1): 661 (1904). **Indian mock-strawberry; Bhuin aiselu, Thare oonew.** AH. Less common.

### 111.8 *Eriobotrya* Lindl.

**111.8.1 *E. bengalensis*** (Roxb.) Hook.f. Fl. Brit. India 2(5): 371. 1878 (Unresolved). *Mespilus bengalensis* Roxb. Fl. Ind., ed. 1832 2: 510. **Maya.** Tree.

**111.8.2 *E. dubia*** (Lindl.) Decne., Nouv. Arch. Mus. Paris 10: 145 (1-74), p.p. Hook. f. in Fl. Br. Ind. 2: 371 (1878)(Unresolved). *Photinia dubia* Lindl.; Tr. Linn. S. 13: 104, t. 10 (1821). **Jure kaphal.** Tree. Endemic. Rare.

**111.8.3 *E. hookeriana*** Decne., Nouv. Arch. Mus. Paris 10: 146 (1874)(Unresolved). Small tree. Common.

**111.8.4 *E. petiolata*** Hook. f., Fl. Brit. India [J. D. Hooker] 2: 370. 1878 [Jul 1878](Unresolved). **Maya.** Tree. Endemic. Common.

### 111.9 *Filipendula* Mill.

**111.9.1 *F. vestita*** (Wall. ex G. Don) Maxim.; Acta H. Petrop. 6: 248 (1879). *Spiraea vestita* Wallich ex G. Don, Gen. Hist. 2: 521. 1832; *S. camtschatica* Pallas var. *himalensis* Lindley. **Chitpava.** Herb.

### 111.10 *Fragaria* L.

**111.10.1 *F. chiloensis*** (L.) Duchesne ex Weston, Botanicus universalis Botanicus universalis 329. 1771. *F. chiloensis* (L.) Dechesne, Hist. Nat. Frais. 165-166. 1766. **Chilean strawberry.** PH.

**111.10.2 *F. daltoniana*** J. Gay, Ann. Sci. Nat. ser. 4, 8: 204. 1857. **Himalayan strawberry; Bhuin ainsel.** Herb.

**111.10.3 *F. nilotica*** (Das et al. 2008). (Not recorded in Kew list). PH. Common.

**111.10.4 *F. nubicola*** (Lindl. ex Hook.f.) Lacaita, J. Linn. Soc., Bot. 43: 476. 1916. *Fragaria vesca* L. var. *nubicola* J. D. Hooker, Fl. Brit. India 2: 344. 1878; Das et al. 2008. Herb. Sparse.

**111.10.5 *F. rubiginosa*** Lacaita, J. Linn. S. B. 43: 467 (1916)(Unresolved). *Fragaria vesca* var. *collina* Hook. f.; Fl. Br. Ind. 2: 344 (1878), p.p. PH. Common.

**111.10.6 *F. vesca*** L., Sp. Pl. 1: 494-495. 1753. *Fragaria chinensis* Losinsk.; *Fragaria concolor*

- Kitag.; *Potentilla vesca* (L.) Scop. **Wild or Woodland Strawberry**. PH.
- 111.11 Geum L.**
- 111.11.1 G. sikkimense** Prain, J. As. S. Beng. 73: 200, t. 7. 1904 (Unresolved). *Acomastylis sikkimensis* (Prain) F. Bolle in Fedde, Repert. Beih. 72: 83. 1933. **Sikkim Avens**. PH.
- 111.12 Kerria DC.**
- 111.12.1 K. japonica** (L.) DC., Trans. Linn. Soc. London, Bot. 12: 157. 1818. *Rubus japonicus* Linnaeus, Mant. Pl. 2: 245. 1771; *Corchorus japonicus* Thunberg. Shrub.
- 111.13 Malus Mill.**
- 111.13.1 M. baccata** (L.) Borkh., Theor.-prakt. Handb. Forstbot. 2: 1280 (1803). *Pyrus baccata* L., ; Mant. Pl. 75 (1767). **Chiniya naspati**. Tree.
- 111.13.2 M. sikkimensis** (Wenz.) Koehne ex C.K.Schneid. Illustriertes Handbuch der Laubholzkunde 1904, 719, f.398n-o,404a 1906. *Malus sikkimensis* (Wenz.) Koehne, Gatt. Pomac. 27 (1890); *Pyrus pashia* var. *sikkimensis* Wenz., Linnaea 38: 49 (1873); *Pyrus sikkimensis* (Wenz.) Hook. f., ; Fl. Br. Ind. 2: 373 (1878). Small tree. Rare.
- 111.14 Neillia D.Don**
- 111.14.1 N. rubiflora** D. Don, Prodr. Fl. Nep. 229 (1825). *Spiraea rubiacea* Wallich. Shrub. Less common.
- 111.14.2 N. thyrsiflora** D. Don, Prodr. Fl. Nep. 228 (1825). US. Common.
- 111.15 Padus Miller**
- 111.15.1 P. napaulensis** (Ser.) C.K. Schneid. Repert. Spec. Nov. Regni Veg. 1(5/6): 68-69. 1905 (Unresolved). *Cerasus napaulensis* Ser. Prodr. 2: 540 540 1825; *Prunus napaulensis* (Ser.) Steud., Nom. B. ed. 2, 2: 403 (1841), 'nepaulensis'. Hook. f. in Fl. Br. Ind. 2: 316 (1878), 'nepalensis'. Kitam. In F. & Fl. Nep. Him. 155 (1955). *Cerasus napaulensis* Ser. in DC., Prodr. 2: 540 (1825). **Arupatey, Jungali aaru**. Tree.
- 111.16 Photinia Lindley**
- 111.16.1 P. glabra** (Thunberg) Maximowicz, Bull. Acad. Imp. Sci. Saint-Pétersbourg, sér. 3. 19: 178. 1874. *Crataegus glabra* Thunberg in Murray, Syst. Veg., ed. 14, 465. 1784. Tree.
- 111.16.2 P. integrifolia** Lindl., Tr. Linn. S. 13: 103 (1821); in B. Reg. 23: sub t. 1956 (1837). *Pyrus integerrima* D. Don; Prodr. Fl. Nep. 237 (1825). **Phalamey**. Tree.
- 111.17 Potentilla L.**
- 111.17.1 P. argyrophylla** Wall. ex Lehm., Nov. Stirp. Pug. 3: 36. 1831. *Potentilla argyrophylla* var. *atrosanguinea* (Lodd., G. Lodd. & W. Lodd.) Hook. f., Fl. Brit. India 2(5): 357. 1878; *Potentilla atrosanguinea* Lodd., G. Lodd. & W. Lodd. PH.
- 111.17.2 P. cuneata** Wall. ex Lehm., Pugill. 3: 34. 1831. *Potentilla ambigua* Cambess. in Jacquem., Voy. 4 (Bot.): 51, t. 62. 1844; *Potentilla cuneifolia* Bertol., Misc. 24: 15, t. 2. 1863. Subshrub.
- 111.17.3 P. fruticosa** L. Sp. Pl. 495 (1753). **Shrubby cinquefoil; Chiniya phal**. Shrub. Rare.
- 111.17.4 P. fruticosa** var. *arbuscula* (D. Don) Maxim., Mélanges Biol. Bull. Phys.-Math. Acad. Imp. Sci. Saint-Pétersbourg 9: 158. 1873. *Potentilla arbuscula* D.Don., Prodr. Fl. Nep. 256. 1825. Shrub. Rare.
- 111.17.5 P. fulgens** Wall. Curtis's botanical magazine 1800 sub t.2700. 1826 (Unresolved). *Potentilla fulgens* var. *intermedia* Hook. f., Fl. Br. Ind. 2: 350 (1878); *Potentilla siemersiana* Lehm., Pugill. 1: 31 (1828); *Potentilla splendens* Wall. ex D. Don, Prodr. Fl. Nep. 230 (1825). **Cinquefoil; Bajradanti, Bansuperi**.
- 111.17.6 P. griffithii** Hook. f., ; Fl. Br. Ind. 2: 351 (1878), cum varr. 1 et 2. Murata in Fl. E. Him. 2: 53 (1971). PH.
- 111.17.7 P. kleiniana** Wight & Arnott, Prodr. Fl. Ind. Orient. 300. 1834. *Potentilla anemonifolia* Lehmann; *P. bodinieri* H. Léveillé. **Kauwa ka phal**. PH.
- 111.17.8 P. lineata** Trevir. Index Seminum Hort. Vratislav. (unpeginated) 1822; Syst. Veg. (ed. 16) [Sprengel] 2: 534. 1825. *Potentilla fulgens* Wall. Ex Hook.; *Potentilla fulgens* Lehm.; *Potentilla fulgens* var. *acutiserrata* (T.T. Yu & C.L. Li) T.T. Yu & C.L. Li; *Potentilla fulgens* var. *macrophylla* Cardot; *Potentilla martini* H. Lév.; *Potentilla siemersiana* Lehm.; *Potentilla siemersiana* var. *acutiserrata* T.T. Yu & C.L. Li; *Potentilla splendens* Buch.-Ham. ex Trevir.). **Bansupari**. PH. Common.
- 111.17.9 P. polyphylla** Wall. ex Lehm., Pugill. 3: 13 (1831); Rev. Pot. 53 (1856). *Potentilla mooniana* Wight, Ic. Pl. Ind. Or. 1: t. 233 (1839); *Potentilla polyphylla beta barbata* Lehm., Rev. Pot. 53 (1856); *Potentilla sordida* Klotzsch, B. Reise Pr. Waldem. t. 9 (1862). PH. Common.
- 111.17.10 P. sundaica** (Blume) Kuntze Revisio generum plantarum Revisio generum plantarum; 1891 219 1891. PH.
- 111.17.11 P. supina** L., Sp. Pl. 497. 1753; Hook. f., Fl. Brit. Ind. 2: 359. 1878. *Potentilla supina* var. *paradoxa* (Nutt.) Wolf, Monogr. Pot. 393 (1908). **Jangali bajradanti**. AH.
- 111.18 Prinsepia Royle**
- 111.18.1 P. utilis** Royle III. Bot. Himal. Mts. 206, pl. 38, f. 1 206 1835. Shrub.
- 111.19 Prunus L.**
- 111.19.1 P. arborea** (Blume) Kalkm., Blumea 13 (1965). *Polydontia arborea* Bl.; *Prunus arborea* var. *montana* (Hook.f.) Kalkman; *Pygeum arborea* Endl. **Plum tree**.
- 111.19.2 P. bracteopadus** Koehne, Repert. Spec. Nov. Regni Veg. 9: 33. 1911. *Prunus nepalensis* Hook.f., Fl. Brit. Ind. 316. 1878. Tree.
- 111.19.3 P. cerasoides** Buch.-Ham. ex D.Don, Prodromus florae nepalensis 1825, 239. 1825. *Cerasus puddum* Wall., Plantae asiaticae rariores 1829, 37, t.143. 1831; *Prunus puddum* Roxb. ex Wall., Plantae asiaticae rariores 1829, 37. 1831. **Wild Himalayan Cherry; Kongki, Piayun**. Tree.
- 111.19.4 P. cerasus** L. *Cerasus communis*. C. vulgaris; *P. cerasus cornuta* forma *cornuta* (Wall. ex Royle) Steud., Nom. B. ed. 2, 2: 403 (1841); in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 141 (1979). var. *villosa* (Wall. ex Royle) Steud., Univ.

- Mus. Univ. Tokyo Bull, 2: 54 (1971). **Sour cherry, tart cherry or wild cherry; Arupatey.** Tree.
- 111.19.5** *P. ceylanica* (Wight) Miq., Fl. Ind. Bot. 1: 366. 1855. *Polydontia zeylanica* Wight, Illustr. 1: 203. 1840, "Polydontia". *Pygeum gardneri* Hook. f., Fl. Brit. India 2: 321. 1878, *Pygeum wightianum* Bl. ex Muell. in Walp., Ann. 4: 642. 1857; Hook. f., Fl. Brit. India 2: 319. 1878. **Dharani.** Tree. Endangered.
- 111.19.6** *P. glauciphylla* Ghora & Panigrahi, J. Econ. Taxon. Bot. 7(1): 228 (1985). *Prunus racemosa* var. *glaucescens* A.M.Cowan & Cowan, The trees of Northern Bengal 59. 1929. **Basaraiya.** Tree.
- 111.19.7** *P. nepalensis* Ser. (Steud) (Unresolved). *Cerasus napaulensis* Ser. x DC. Prodr. 2: 540. 1825; *Padus napaulensis* (Ser. ex DC.) Schneider, in Feddes Report 1: 68. 1905; *Prunus nepaulensis* (Ser. ex DC.) Steud., Nomencl. Bot. ed. 2: 403. 1941; *P. nepalensis* Hook.f., Fl. Brit. Ind.2: 516. 1878. **Wild cherry; Arupate, Traubenkinnsche.** Tree.
- 111.19.8** *P. padus* L., Sp. Pl., ed. 1: 473. 1753. *Cerasus padus* (L.) DC.; *Prunus padus* var. *commutata*. **Bird Cherry, Hackberry; Likh-aru, Arupatti, Hlo sa, Hlot-kúng.** Tree or shrub.
- 111.19.9** *P. persica* (L.) Batsch., Beitr. Entw. Pragm. Gesch. Nat.-Reiche 1: 30 (1801)(Unresolved). *Amygdalus persica* L., ; Sp. Pl. 472 (1753); *Persica vulgaris*. **Aaru, Takpo-kung.** Tree.
- 111.19.10** *P. rufa* Wall. ex Hook. f., ; Fl. Br. Ind. 2: 314 (1878), p.p. H. Hara in J. Jap. B. 37: 98 (1962). **Small Himalayan cherry.** Tree. Rare.
- 111.19.11** *P. singalilaensis* H.Ohba & S. Akiyama, sp. nov. (Ohba & Akiyama 2010)(Unresolved). **Singalila cherry plum.** Shrub.
- 111.19.12** *P. undulata* Buch.-Ham. ex D. Don, ; Prodr. Fl. Nep. 239 (1825). *Cerasus undulata* (D. Don) Ser., ; in DC., Prodr. 2: 540 (1825); *Laurocerasus undulata* (D. Don) M. Roem., Syn. Rosfl.: 92 (1847). **Goat-killing bird cherry.** Tree.
- 111.19.13** *P. wallichii* Steud., Nomenclator botanicus 1840, 404. 1841. *Prunus acuminata* (Wall.) D.Dietr., *Synopsis plantarum* 1839, 42. 1843. **Lali.** Shrubs or tree.
- 111.19.14** *P. wattii* Ghora & Panigrahi. J. Econ. Taxon. Bot. 7(1): 231 (1985). Shrub.
- 111.20** *Pyracantha* M. Roemer
- 111.20.1** *P. crenulata* (Roxb. D. Don) M. Roem., ; Syn. Monogr. 3: 220 (1847). *Crataegus crenulata* (D. Don) Roxb., ; Fl. Ind. ed. 2, 2: 509 (1832). *Mespilus crenulata* D. Don, ; Prodr. Fl. Nep. 238 (1825). **Himalayan firethorn; Nepalese White Thorn.** Shrub or small tree.
- 111.21** *Pyrus* L.
- 111.21.1** *P. communis* L., Sp. Pl. 1: 479. 1753. *Pyrus communis* var. *sativa* (DC.) DC.; *Pyrus pyrastrer* subsp. *achras* (Gaertn.) Terp.; *Pyrus sativa* DC. **European pear. Wild pear.** Tree.
- 111.21.2** *P. pashia* Buch.-Ham. ex D. Don; Prodr. Fl. Nep. 236. 1825; Gamble 1878. **Wild Himalayan Pear; Mayal, Mel, Naspatti, Litong, Lee.** Tree.
- 111.21.3** *P. pyrifolia* (Burm.f.) Nakai, Bot. Mag. (Tokyo). 40: 564. 1926. *P. pyrifolia* var. *culta* (Makino) Nakai. *Ficus pyrifolia* N. L. Burman, Fl. Ind. 226. 1768; *Pyrus serotina* Rehder. **Sand pear.** Tree.
- 111.22** *Rosa* L.
- 111.22.1** *R. banksiae* R.Br., H. Kew. ed. 2, 3: 258 (1811). *Rosa banksiae* var. *alboplana* Rehder. **Lady Banks' Rose, Tombstone Rose.** SC.
- 111.22.2** *R. laevigata* Michx. Fl. Bor.-Amer. 1: 295-296. 1803. *Rosa amygdalifolia* Seringe; *R. argyi* H. Léveillé; *R. cucumerina* Trattinnick; *R. laevigata* var. *kaiscianensis* Pampanini; *R. laevigata* var. *leiocarpa* Y. Q. Wang & P. Y. Chen; *R. nivea* Candolle; *R. ternata* Poiret; *R. triphylla* Roxb. ex Lindl. Ros. Monogr. 138. 1820. Shrub.
- 111.22.3** *R. macrophylla* Lindl., Monogr. Rosa 35, t. 6. 1820. S. D. Brandis, Forest Fl. N. W. Ind. 203. 1874, Crép., Prim. Monogr. Ros. 290. 1874, Hook. f., Fl. Brit. Ind. 2: 366. 1879. *Rosa macrophylla* var. *hookeriana* Hook. f., Fl. Br. Ind. 2: 366. 1878. **Bhainsi Kaandaa Threelaf rose.** Shrub.
- 111.22.4** *R. moschata* Herrm. Dissertatio inauguralis botanico-medica de Rosa 15. 1762. *Rosa brunonii* Lindl., Monogr. Rosa 120, t. 14 (1820). *Rosa pubescens* Roxb., Fl. Ind. ed. 2. 2: 514. 1832. Ziel. in Rech.f., Fl. Iran. 152: 22. 1982. **Bhainsi kande gulaf.** SC. Less common.
- 111.22.5** *R. odorata* var. *gigantea* (Collett ex Crép.) Rehder & E.H. Wilson, Pl. Wilson. 2(2): 338. 1915 (Unresolved). *Rosa gigantea* Collett ex Crép. Bull. Soc. Roy. Bot. Belgique 27: 148. 1888. **Wild giant tea-rose.** Large scrambling shrub. Rare.
- 111.22.6** *R. roxburghii* Trattin., Ros. Monogr. 2: 233. 1823. *Rosa microphylla* Desfontaines var. *glabra* Regel. Shrub.
- 111.22.7** *R. sericea* Wall. ex Lindl. Ros. Monogr. 105, pl. 120. 1820. *Rosa tetrapetala* Royle; *R. wallichii* Trattinnick. **Himalayan rose.** Shrub. Less common. Vulnerable.
- 111.23** *Rubus* L.
- 111.23.1** *R. acuminatus* Sm., in Rees, Cyclop. 30: Rubus n. 43 (1819). **Saanu Ainselu.** Shrub. Abundant.
- 111.23.2** *R. bhotanensis* Kuntze Methodik der Speciesbeschreibung und Rubus; 1879 67 1879 (Unresolved). Shrub.
- 111.23.3** *R. calycinoides* Kuntze, Meth. Sp. Rubus 67, 78 & 83 (1879)(Unresolved). **Creeping Bramble, Nepalese Raspberry, Creeping Rubus, Crinkle-leaf Creeper.** Shrub.
- 111.23.4** *R. calycinus* Wall. ex D. Don, ; Prodr. Fl. Nep. 235 (1825). **Bhuin ainselu; Dhungri jhar.** BH.
- 111.23.5** *R. diffissus* Focke. Biblioth. Bot. 17, Heft 72(1): 83. 1910 (Unresolved). **Aselu, Suffiyok-zhu.** Shrub.
- 111.23.6** *R. efferatus* Craib. Fl. Siam. i. 570 (1931)(Unresolved). *Rubus ferox*, *R. kurzii*, *R. moluccanus* var. *ferox*. **Blackberry.** Shrub.
- 111.23.7** *R. ellipticus* Sm., in Rees, Cyclop. 30: Rubus n. 16 (1819); Fl. Brit. Ind. 2: 336. 1878; Das et al. 2008. *R. gowreephul* Roxb. Fl. Ind. 2: 517. 1832. **Yellow Himalayan raspberry; Ainselu, Toluaselu, Cesi, Aselu, Escalu.** Shrub. Sparse.

- 111.23.8** *R. eustephanos* Focke Bot. Jahrb. Syst. 36(5, Beibl. 82): 54 1905. Shrub.
- 111.23.9** *R. filiacens* Smith in Sanyal *et. al.* 2012 (Not in Kew list); SC.
- 111.23.10** *R. fockeanus* Kurz, J. Asiat. Soc. Bengal. 44(2): 206. 1875 (Unresolved). *Rubus allophyllus* Hemsley, p.p.; *R. loropetalus* Franchet; *R. nutans* Wallich var. *fockeanus* (Kurz) Kuntze; *R. radicans* Focke. **Jangali Ainselu**. PH.
- 111.23.11** *R. fragarioides* Bertoloni., Mém. Reale Accad. Sci. Ist. Bologna. 12: 236. 1861. *Dalibarda fragarioides* Michx.; *Rubus arcticus* L. var. *fragarioides* (Bertoloni) Focke. Herb.
- 111.23.12** *R. gardnerianus* Kuntze. Methodik der Speciesbeschreibung und Rubus. 1: 42. 1879 "gardnerianus" (Unresolved). *R. macrocarpus* Gardn. In Calcutta J. Nat. Hist. 8: 7. 1847, nom. illeg. Non-Benth. 1844; *R. moluccanus* L. var. *macrocarpus* (Gardn.) Trimen. Handb. Fl. Ceylon 2: 137. 1894. p.p., *R. moluccanus* var. *gardnerianus* O. Kuntze, Rev. Gen. 1: 222. 1891; *R. moluccanus* auct. Non L.; Fl. Brit Ind. 2: 331. 1878. p.p. Tree.
- 111.23.13** *R. glandulifera* N.P. Balakr. J. Bombay Nat. Hist. Soc. 58. 1970 (Unresolved). Shrub.
- 111.23.14** *R. griffithii* Hook. f., Fl. Br. Ind. 2: 327 (1878)(Unresolved). *R. excurvatus*. SC.
- 111.23.15** *R. hamiltonii* Hook. f., Fl. Br. Ind. 2: 328 (1878), 'hamiltoni' (Unresolved). Focke in Bibl. B. 17 (Ht. 72): 63 (1910). Shrub.
- 111.23.16** *R. lineatus* Reinw. ex Blume, Bijdr. 1108 (1826). **Ghyampe ainselu, Shempot**. Herb. Common.
- 111.23.17** *R. macilentus* Jacquem. Ex Cambess, Voy. 4 (Bot.): 49, t. 60 (1835). **Achung**. Shrub.
- 111.23.18** *R. mesogaeus* Focke, Bot. Jahrb. Syst. 29: 399. 1900 in Bibl. B. 17 (Ht. 72): 204, f. 82 (1911). Shrub.
- 111.23.19** *R. moluccanus* L. Sp. Pl. 1: 1197. 1753 (Unresolved). *Rubus capricorni*, *Rubus hillii*, *Rubus moluccanus* var. *dendrocharis*. **Bhotey pan**. SC. Common.
- 111.23.20** *R. niveus* Thunb., ; Diss. Rubo. 7 & 9, f. 3 (1813). *R. niveus* var. *rosaefolius* Thunb.; H. Hara in Fl. E. Him. 130 (1966); in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 146 (1979). **Hill raspberry**. Shrub. Common.
- 111.23.21** *R. paniculatus* Sm., ; in Rees, Cyclop. 30: Rubus n. 41 (1819). forma *paniculatus* Sm.; in Rees, Cyclop. 30: Rubus n. 41 (1819). forma *tiliaceus* (Sm.) H. Hara; Fl. E. Him. 3: 52 (1972); in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 146 (1979). **Numing-rik, Pattarola, Anchu, Kalahisalu, Kaalo ainselu**. SC. Common.
- 111.23.22** *R. pedunculatus* D. Don., Prodr. Fl. Nepal. 234. 1825. *Rubus gracilis* Roxburgh (1824), not J. Presl & C. Presl (1822); *R. gracilis* Roxburgh var. *chiliacanthus* Handel-Mazzetti; *R. hypargyrus* Edgeworth; *R. hypargyrus* var. *niveus* H. Hara; *R. niveus* Wallich ex G. Don (1832), not Thunberg (1813); *R. pedunculatus* var. *hypargyrus* (Edgeworth) Kitamura. **Three-Leaf Raspberry**. Shrub.
- 111.23.23** *R. pentagonus* Wallich ex Focke, Biblioth. Bot. 17(Heft 72): 145. 1911. *Rubus tridactylus* Focke, Species ruborum 1910-1914: 146. 1911. **Bjake tshalu**. Shrub.
- 111.23.24** *R. phengodes* Focke. Biblioth. Bot. 17, Heft 72(1): 48-49. 1910 (Unresolved). Shrub.
- 111.23.25** *R. reticulatus* A. Kern., Novae plantarum species 42. 1871; Wall. ex Hook. f. Fl. Brit. India 2(5): 331. 1878. **Aselu, Suffyok-zhu**. Shrub. Less common.
- 111.23.26** *R. rosifolius* Sm., ; Ic. Ined. 3: t. 60 (1791), 'rosaefolius'. forma *coronarius* Sm.; Rev. Gen. Pl. 224 (1891), sub *Rubus rosifolius gamma normalis*. H. Hara & H. Ohashi in Fl. E. Him. 131 (1966). **Gempe-aselu, Rato ainselu, Kashempongpot**. Shrub. Common.
- 111.23.27** *R. rugosus* Sm., ; in Rees, Cyclop. 30: Rubus n. 34 (1819)(Unresolved). *Rubus moluccanus*. **Jogi ainselu**. Shrub. Abundant.
- 111.23.28** *R. senchalensis* Hara, Fl. E. Himalaya 2nd Rep.: 60. 1971 [31 Mar 1971] (Unresolved). AH. Endemic. Rare.
- 111.23.29** *R. splendidissimus* H. Hara, ; J. Jap. B. 40: 327 (1965)(Unresolved). *R. andersoni* Hook. f. Fl. Br. Ind. 2: 333 (1878); *Rubus lineatus* var. *andersonii*. **Phusre aselu, Shampot**. SC. Rare.
- 111.23.30** *R. sterilis* Kuntz Methodik der Speciesbeschreibung und Rubus; 1879 69 1879 (Unresolved). Shrub.
- 111.23.31** *R. sumatranus* Miq., Flora van Nederlandsch Indië appendix 1: 307. 1860. *Rubus indotibetanus* Koidz.; Fl. Symb. Or. As. 65 (1930). *R. asper* D. Don non Presl., *R. rosifolius* sensu F.B.I. p.p non. Smith; *R. sikkimensis* Kuntze non Hook.f. *Rubus indotibetanus* Koidzumi. Shrub. Rare.
- 111.23.32** *R. thomsonii* Focke, ; Abh. Nat. Ver. Bremen 4: 198 (1874)(Unresolved). Shrub. Less common.
- 111.23.33** *R. treutleri* Hook.f., Fl. Brit. India. 2: 331. 1878. *Rubus arcuatus* Kuntze; *R. rosulans* Kuntze; *R. tongloensis* Kuntze. Shrub. Less common.
- 111.23.34** *R. wardii* Merrill, Brittonia. 4: 84. 1941. *Rubus gigantiflorus* H. Hara; *R. gigantiflorus* var. *chiliocanthus* Handel-Mazzetti; *R. gigantiflorus* var. *pluvialis* Handel-Mazzetti; *R. hookeri* Focke, Abh. Naturwiss. Vereine Bremen. 4: 198-199. 1874. (Oct 1874); *R. macrocarpus* King ex C. B. Clarke (1876), not Bentham (1844), nor Gardner (1847). **Suffyok-zhu**. Shrub. Common.
- 111.24 Sanguisorba L.**
- 111.24.1** *S. diandra* (Hook.f.) Nordborg, Opera Bot. 11(2): 60. 1966. *Poterium diandrum* J. D. Hooker, Fl. Brit. India 2: 362. 1878. **Himalayan Burnet**. PH.
- 111.25 Sibbaldia L.**
- 111.25.1** *S. cuneata* Hornemann ex Kuntze, Linnaea. 20: 59. 1874. *Sibbaldia parviflora* Edgew.; Tr. Linn. S. 20: 44 (1846). **Wedge Leaf Sibbaldia**. PH.
- 111.25.2** *S. micropetala* (D. Don) Hand.-Mazz. in G. Karsten & H. Schenck, Vegetationsbilder. 22:8: 6. 1932. *Potentilla micropetala* D. Don, Prodr. Fl. Nepal. 231. 1825; *P. albifolia* Wallich ex J. D. Hooker. **Small-flowered Sibbaldia**. PH.
- 111.25.3** *S. trullifolia* (Hook.f.) Chatterjee. Notes Roy. Bot. Gard. Edinburgh 19(95): 327. 1938

(Unresolved). *Potentilla trullifolia* Hook. f. Fl. Brit. India 2(5): 345. 1878. Herb.

### 111.26 *Sorbaria* (Seringe) A. Braun

**111.26.1** *S. tomentosa* (Lindl.) Rehder. Journal of the Arnold Arboretum 19(1): 74. 1938. *Schizonotus tomentosus* Lindl. Botanical Register 26: Misc., 71. 1840. **Himalayan Sorbaria; Baakhre Jhaar.** Shrub.

### 111.27 *Sorbus* L.

**111.27.1** *S. arachnoidea* Koehne, ; Feddes Repert. 10: 514. 1912. *Sorbus foliolosa*. **Pasi.** Tree.

**111.27.2** *S. cuspidata* (Spach) Hedlund, Kongl. Svenska Vetenskapsakad. Handl. 35: 89. 1901. *Crataegus cuspidata* Spach, Hist. Veg. Phan. 2: 106. 1834; *Pyrus crenata* Lindley (1835), not D. Don (1825); *P. vestita* Wallich ex J. D. Hooker. **Mayhell, Guhor, Singka.** Tree. Common.

**111.27.3** *S. foliolosa* (Wallich) Spach, Hist. Nat. Vég. 2: 96. 1834. var. *wenzigiana* (Schneider) Rushforth. *Photinia foliolosa* (Wall.) Koehne; Gatt. Pomac. 19 (1878). *Pyrus foliolosa* Wall., ; Pl. As. Rar. 2: 81, t. 189 (1831), p.p. Hook. f. in Fl. Br. Ind. 2: 376 (1878), p.p; *Pyrus wallichii* Hook. f., Fl. Brit. India 2(5): 376-377. 1878. **Kharsani, Thulo pas.** Shrub.

**111.27.4** *S. griffithii* (Decne.) Rehder. Plantae wilsonianae 277. 1915 (Unresolved). *Micromeles griffithii* Decne.; *Pyrus griffithii* (Decne.) Hook. f. **Pasi.** Tree.

**111.27.5** *S. hedlundii* C.K. Schneider, Ill. Handb. Laubh. 1: 685. 1906 (Unresolved). *Pyrus hedlundii*. **Sanu Tanga, or Lekh Mehel.** Tree.

**111.27.6** *S. insignis* (Hook.f.) Hedlund, Kongl. Svenska Vetenskapsakad. Handl. 35(1): 32. 1901. *Pyrus insignis* J. D. Hooker, Fl. Brit. India 2: 377. 1878. **Sikkim whitebeam.** Tree rarely shrub.

**111.27.7** *S. kurzii* (Watt ex Prain) C. K. Schneid.; Bull. Herb. Boiss. ser. 2, 6: 315 (1906). *Pyrus kurzii* Watt ex Prain; J. As. S. Beng. 73: 203 (1904). Small tree.

**111.27.8** *S. microphylla* (Wallich ex J. D. Hooker) Wenzig, Linnaea. 38: 76. 1874. *Pyrus microphylla* Wallich ex J. D. Hooker, Fl. Brit. India 2: 376. 1878. **Tsema shing, Sanu pasi.** Shrub or small tree. Common.

**111.27.9** *S. rhamnoides* (Decaisne) Rehder in Sargent, Pl. Wilson. 2: 278. 1915. *Micromeles rhamnoides* Decaisne, Nouv. Arch. Mus. Hist. Nat. 10: 169. 1874. Tree.

**111.27.10** *S. rufopilosa* C.K. Schneider, Bull. Herb. Boissier, Ser. 2.6:317. 1906. Shrub or small tree.

**111.27.11** *S. thomsonii* (King ex J. D. Hooker) Rehder in Sargent, Pl. Wilson. 2: 277. 1915. *Pyrus thomsonii* King ex J. D. Hooker, Fl. Brit. India 2: 379. 1878; *Aria thomsonii* (King ex J. D. Hooker) H. Ohashi & H. Iketani. **Pasi.** Tree.

**111.27.12** *S. vestita* (Wall. ex G. Don) Lodd., Cat. Plants ed. 16 : 66 (1836)(Unresolved). *Pyrus vestita* Wall. ex G. Don, Gen. Hist. 2: 647. 1832. *Aria vestita* (Wall. ex G. Don) M. Roem. Fam. Nat. Syn. Mongr. 3 (Rosifl.): 125. 1847. **Himalayan whitebeam.** Tree.

**111.27.13** *S. wallichii* (Hook. f.) T. T. Yu; Fl. Reip. Pop. Sin. 36: 329 (Dec. 1974). H. Ohashi in Fl. E. Him. 3: 53 (1975). H. Hara & H. Ohashi in H. Hara &

Williams, Enum. Flow. Pl. Nep. 2: 148 (1979). *Pyrus wallichii*. **Wallich's Rowan.** Tree.

### 111.28 *Spiraea* L.

**111.28.1** *S. bella* Sims, Bot. Mag. 50: t. 2426. 1823 [Two species confounded under the following description, not distinguished by any botanist]. **Lady of the Meadow, Meadow Wort, Nepal Spiraea.** Shrub.

**111.28.2** *S. canescens* D. Don, Prodr. Fl. Nepal. 227. 1825. **Grey Stem Spiraea.** Shrub.

**111.28.3** *S. cantoniensis* Lour., Fl. Cochinch. 1: 322. 1790. **Reeves' spirea, Double bridal wreath spirea, Double Reeves.** Shrub.

**111.28.4** *S. darjeelingensis* Panigrahi & Purohit 83, f.1-2. 1985 (Unresolved). Shrub.

**111.28.5** *S. micrantha* Hook. f., Fl. Br. Ind. 2: 325. 1878 (Unresolved). *Spiraea japonica* subsp. *micrantha* (Hook. f.) Kitam., Acta Phyt. Geobot. 26: 5. 1974; *Spiraea japonica* var. *himalaica* Kitam., Acta Phyt. Geobot. 15: 160. 1954. **Khangtsalu.** Shrub. Endemic. Rare.

**112. RUBIACEAE** Juss., Gen. Pl.: 196. 4 Aug 1789, nom. cons. (the Coffee or Madder Family). Genus: 32; Species: 79

### 112.1 *Argostemma* Wallich

**112.1.1** *A. sarmentosum* Wall. in Roxb., Fl. Ind. 2: 324. 1824; DC., l.c.; Hook. f., Fl. Brit. Ind. 3: 42. 1880. **Variable-leaf Argostemma.** AH.

**112.1.2** *A. verticillatum* Wall. in Roxb., Fl. Ind. 2: 325. 1824. Herb.

### 112.2 *Benkara* Adanson

**112.2.1** *B. fasciculata* (Roxb.) Ridsdale. Reinwardtia 12: 298. 2008. *Fagerlindia fasciculata* (Roxb.) Tirveng. Nord. J. Bot. 3: 458. 1983; *Gardenia fasciculata* (Roxb.) Spreng.; *Oxyceros fasciculatus* (Roxb.) T. Yamaz.; *Posoqueria fasciculata* Roxb., Fl. Ind. 2: 568. 1824; *Randia fasciculata* (Roxb.) DC. , Prod. Syst. Nat. Veg. 4: 386. (1830); *Solena fasciculata* (Roxb.) D. Dietr.; *Webera fasciculata* (Roxb.) Kurz. **Maidalu sanu, Choota Maidalu, Bosanti.** Shrub.

### 112.3 *Carapichea* Aubl.

**112.3.1** *C. ipecacuanha* (Brot.) L. Andersson, Kew Bull. 57: 371. 2002. *Callicocca ipecacuanha* Brot. Trans. Linn. Soc. London 6: 137 1802; *Cephaelis ipecacuanha* (Brot.) A. Rich., *Psychotria ipecacuanha* Stokes. **Ipecac, Ipecacuanha.** Shrub. Planted.

### 112.4 *Catunaregam* Wolf

**112.4.1** *C. spinosa* (Thunb.) Tirvengadam in Bull. Mus. Nation. Hist. Nat. ser. 3. 521. Bot. 35: 13. 1978. *Gardenia spinosa* Thunberg, *Gardenia*, 16. 1780; *G. dumetorum* Retzius; *Randia dumetorum* (Retzius) Lamarck; *R. spinosa* (Thunberg) Poirlet; *Xeromphis retzii* Rafinesque; *X. spinosa* (Thunberg) Keay. *Catunaregam longispina* (L.f.) Roxb., Fl. Ind. ed. Carey & Wall. 2: 566. 1824. **Maidal, Mountain Pomegranate, Spiny Randia, False guava, Thorny Bone-apple, Common emetic nut.** Shrub. Common. **Chassalia curviflora** (Wallich) Thwaites, Enum. Pl. Zeyl. 150. 1859. **Curved flower woody chassalia, Long-Leaved Chassalia.** Subshrub.

**112.5 Cinchona L.**

**112.5.1 C. calisaya** Wedd. Ann. Sci. Nat., Bot. III, 10: 6 1848. Tree or shrub. Planted.

**112.5.2 C. pubescens** Vahl Skr. Naturhist.-Selsk. 1: 19 1790. *Cinchona succirubra* Pavon ex Klotz. Tree. Planted.

**112.6 Coffea L.**

**112.6.1 C. benghalensis** B.Heyne ex Schult., Syst. Veg. 5: 200. 1819. *Psilanthus benghalensis* (Roxb. ex Schult.) J.-F.Leroy, Bull. Mus. Natl. Hist. Nat., B, Adansonia 3: 252. 1981. *Coffea bengalensis* Roxb. ex Schult. in J.J. Roemer & J.A. Schultes, Syst. Veg. 5: 200. 1819.; *Coffea bengalensis* Roxb., Fl. Ind. 2: 194. 1824; ed. 2, 1: 540. 1832; *Coffea floreifoliosa* A. Chev.; *Coffea semiexserta* Colebr. ex Roxb.; *Psilanthus bababudanii* Sivar., Biju & P. Mathew. Paracoffea. **Akub, Baishakhi, Jangali kafi, Kathjahi.** Shrub.

**112.7 Dentella J.R.Forst. & G.Forst.**

**112.7.1 D. repens** (L.) J.R. Forst & G. Frost, Char. Gen. 26, t. 13. 1776. Herb. *Oldenlandia repens* Linnaeus, Syst. Nat., ed. 12, 2: 126; Mant. Pl. 1: 40. 1767; *Dentella matsudae* Hayata; *D. repens* var. *grandis* Pierre ex Pitard. **Bhumipat.** Herb.

**112.8 Galium L.**

**112.8.1 G. asperifolium** Wall. in Roxb., Fl. Ind. 1: 381. 1820; *G. asperifolium* var. *sikkimense* Wall.; Oesterr. B. Zeits. 89: 24.1. 1940; *Galium parviflorum* D. Don, Prodr. Fl. Nep. 207. 1825. **Chitu.** PH.

**112.8.2 G. elegans** Wall. ex Roxb., Fl. Ind. 1: 382. 1820. forma *vestitum* (D. Don) H. Hara, in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 201. 1979. var. *glabriusculum* Requier ex DC., Prodr. 4: 600. 1830. **Lahare kuro.** Herb. Common.

**112.8.3 G. hirtiflorum** Req. ex DC., Prodr. 4: 600. 1830. **Lahare-geti.** PH. Abundant.

**112.8.4 G. mollugo** L., Sp. Pl.: 107. 1753; Das et al. 2008. *Galium erectum* Huds; *Rubia mollugo* (L.) Baill. **False baby's breath. Smooth bedstraw, gaillet mollugine, white bedstraw.** PH.

**112.9 Gardenia J.Ellis**

**112.9.1 G. latifolia** Aiton, Hort. Kew. 1: 294. 1789. **Indian Boxwood.** Small tree.

**112.10 Haldina Ridsdale**

**112.10.1 H. cordifolia** (Roxb.) Ridsdale, Blumea 24: 361. 1978. *Adina cordifolia* (Roxb.) Benth. & Hook.f. ex B.D.Jacks.; *A. cordifolia* (Willd. ex Roxb.) Benth. & Hook. f. ex Brandis, For. Fl. 263, t. 33. 1874; *Nauclea cordifolia* Roxb. **Yellow Teak, Saffron teak; Kali Kadam or Haldu; Karma, Kiram, Karan.** Tree.

**112.11 Hedyotis L.**

**112.11.1 H. scandens** Roxb., Fl. Ind. 1: 369. 1820. *Oldenlandia scandens* (Roxb.) Kuntze. **Bakhri lahara, Kalhenyok.** SC. Common.

**112.12 Hymenodictyon N. Wallich**

**112.12.1 H. flaccidum** Wall., in Roxb., Fl. Ind. 2: 152 (1824). **Zaru-kung.** Epiphytic shrub.

**112.12.2 H. orixense** (Roxb.) Mabb. Taxon 31: 66. 1982. *Cinchona excelsa* Roxb., Bot. Descr. Swietenia, 21. 1793; *Cinchona orixensis* Roxb.; *Hymenodictyon*

*excelsum* (Roxb.) Wall; *Hymenodictyon excelsum* (Roxb.) DC. **Lalikaram.** Tree. Less common.

**112.13 Hyptianthera Wight & Arn.**

**112.13.1 H. stricta** (Roxburgh ex Schult.) Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 399. 1834. *Macrocnemum strictum* Roxb. ex Schult. Shrub or small tree. Rare.

**112.14 Ixora L.**

**112.14.1 I. athroantha** Bremek. Indian Forester 85: 372. 1959. *Ixora acuminata*. **Chiwariapat.** Shrub or small tree. Endemic.

**112.14.2 I. barbata** Roxb. ex Sm. Cycl. 19: 6. 1811. **Bearded Ixora.** Shrub.

**112.14.3 I. coccinea** L., Sp. Pl. 110. 1753. Roxb., Fl. Ind. 1: 375. 1820; Wight & Aim, Prodr. 427. 1825; Hook. f., Fl. Brit Ind. 3: 145. 1880. *Ixora bandhuca* Roxb.; *Ixora grandiflora* Ker; *Ixora incarnata* DC.; *Pavetta bandhuca* (Roxb.) Miq. **Jungle geranium, flame of the woods, jungle flame.** Shrub.

**112.14.4 I. undulata** Roxb., Fl. Ind. 1: 395. 1820. DC., Prodr. 4: 488. 1830; Hook. f., Fl. Brit. Ind. 3: 147. 1880. **Paluka-Jooi.** Shrub.

**112.15 Knoxia L.**

**112.15.1 K. sumatrensis** (Retz.) DC., Prodr 4: 569. 1830. *Spermacoce sumatrensis*; *Knoxia corymbosa* Willd.; Sp. Pl. 1: 582 (1797); *Cuncea trifida* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 135 (1825); *Spermacoce exserta* Roxb.; Fl. Ind. 1: 374 (1820); ed. 2, 1: 368 (1832); *Spermacoce teres* Roxb.; Fl. Ind. 1: 373 (1820); ed. 2, 1: 367 (1832). **Goli.** PH.

**112.16 Luculia Sweet**

**112.16.1 L. grandifolia** Ghose, J. Bengal Nat. Hist. Soc. 25: 159. 1952. **White or Bhutan Luculia.** Shrub.

**112.16.2 L. gratissima** (Wall.) Sweet, Br. Fl. 2: t. 145. 1826. **Ban kangiyu, Doware phool, Sumbrangrip.** Shrub. Common.

**112.16.3 L. pinceana** Hooker in Curtis, Bot. Mag. 71: t. 4132. 1845. Shrub or tree. Rare.

**112.17 Meyna Roxb. ex Link**

**112.17.1 M. spinosa** Roxb. ex Link. Jahrb. Gewächsk. 1(3): 32. 1820. *Pyrostria spinosa* (Roxb. ex Link) Miq.; *Vangueria spinosa* (Roxb. ex Link) Roxb., Hook. f. Fl. Brit. Ind. 3: 66. 1939; *Meyna laxiflora* Robyns. 1828. **Moyna.** Shrub.

**112.18 Morinda L.**

**112.18.1 M. angustifolia** Roxb., Pl. Coromandel. 3: 32. 1815; Fl. Ind. 1: 547. 1820. **Bonamali, Hardi Kath.** Shrub or small tree. Endemic. Rare.

**112.18.2 M. citrifolia** L., Sp. Pl. 176. 1753. DC., Prodr. 4: 466. 1832; Ridley, l.c.; Hook. f., l.c. **Indian Mulberry; Hardikath.** Shrub or small tree.

**112.19 Mussaenda L.**

**112.19.1 M. glabra** Vahl, Symb. 3: 38 (1794). (Hook.f.) Hutch. ex Gamble (1921). **Dwarf mussaenda** Shrub.

**112.19.2 M. macrophylla** Wall. in Roxb., Fl. Ind. 2: 228. 1824. *Mussaenda calycina* Wall. ex Kurz 1874. **Dhobini.** Shrub.

**112.19.3 M. roxburghii** Hook. f., Fl. Br. Ind. 3: 87. 1880. *Mussaenda corymbosa* Wall., Cat. 212, n. 6252 (1832), p.p. **Dhobinikath.** Shrub. Common.

- 112.19.4** *M. treutleri* Stapf; B. Mag. 135: t. 8254. 1909. **Dhobini**. Shrub. Frequent.
- 112.20** *Mycetia* Reinw.
- 112.20.1** *M. longifolia* (Wall.) Kuntze, Rev. Gen. Pl. 289. 1891. *Rondeletia longifolia* Wallich in Roxburgh, Fl. Ind. 2: 137. 1824; *Adenosacme longifolia* (Wallich) J. D. Hooker; *Wendlandia longifolia* (Wallich) Candolle. Shrub.
- 112.20.2** *M. stipulata* Kuntze Revis. Gen. Pl. 1: 289. 1891. US. Endemic.
- 112.21** *Neanotis* W. H. Lewis
- 112.21.1** *N. calycina* (Wall. ex Hook. f.) W. H. Lewis, Ann. Miss. B. G. 53: 37. 1966. *Anotis calycina* Wallich ex J. D. Hooker, Fl. Brit. India 3: 73. 1880. AH.
- 112.21.2** *N. gracilis* (Hook. f.) W. H. Lewis, Ann. Miss. B. G. 53: 38. 1966. *Anotis gracilis* Hook. f. Fl. Brit. India 3: 71. 1880. Herb. Endemic. Less common.
- 112.21.3** *N. hirsuta* (L.f.) W.H. Lewis, Ann. Miss. B. G. 53: 38. 1966. *Oldenlandia hirsuta* Linnaeus f., Suppl. Pl. 127. 1782; *Anotis hirsuta* (Linnaeus f.) Boerlage; *Hedyotis hirsuta* (Linnaeus f.) Smith (1811), not Lamarck (1789); *H. stipulata* R. Br. ex Hook. f., Fl. Brit. Ind. 3: 63. 1880; *O. japonica* Miquel. **Measles weed**. AH. Less common.
- 112.21.4** *N. ingrata* (Wall. ex Hook. f.) W. H. Lewis, Ann. Miss. B. G. 53: 39. 1966. *Anotis ingrata* Wallich ex J. D. Hooker, Fl. Brit. India 3: 71. 1880. PH.
- 112.21.5** *N. wightiana* (Wall. ex Wight & Arn.) W.H. Lewis, Ann. Miss. B. G. 53: 40. 1966. *Hedyotis wightiana* Wallich ex Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 410. 1834; *Anotis wightiana* (Wallich ex Wight & Arnott) J. D. Hooker. PH.
- 112.22** *Neohymenopogon* Bennet
- 112.22.1** *N. parasiticus* (Wall.) Bennet. Indian Forester 107: 436. 1981. *Hymenopogon parasiticus* Wall. in Roxb., Fl. Ind. 2: 157 (1824). *Mussaenda cuneifolia* D. Don, ; Prodr. Fl. Nep. 139. 1825. **Lekh biri**. Small shrub.
- 112.23** *Neolamarckia* Bosser
- 112.23.1** *N. cadamba* (Roxburgh) Bosser, Bull. Mus. Natl. Hist. Nat., B, Adansonia. 6: 247. 1985. *Nauclea cadamba* Roxburgh, Fl. Ind. 2: 121. 1824; *Anthocephalus cadamba* (Roxburgh) Miquel; *A. chinensis* (Lam.) A. Rich. ex Walp., Repert. 2: 491. 1843; *A. indicus* A. Richard; *A. indicus* var. *glabrescens* H. L. Li; *Sarcocephalus cadamba* (Roxburgh) Kurz. **Kadam, Karam**. Tree. Sparse.
- 112.24** *Oldenlandia* L.
- 112.24.1** *O. corymbosa* L. Sp. Pl. 119. 1753. *Hedyotis corymbosa* (L.) Lamk.; *Oldenlandia biflora* L. Sp. Pl. 119. 1753. **Diamond Flower, corymbose hedyotis, flat-top mille graines, old world diamond-flower, wild chayroot; Bakhri lahara, Gandha Bhaduli, Khet Papra**. AH.
- 112.24.2** *O. lineata* (Roxb.) Kuntze, Revis. Gen. Pl. 1: 292. 1891. *Hedyotis lineata* Roxb., Fl. Ind. 1: 365. 1820. Herb.
- 112.24.3** *O. monocephala* Kuntze. Revis. Gen. Pl. 1: 292. 1891. *Hedyotis brunonis* Merr.; *H. monocephala* R.Br. ex Hook.f. Fl. Brit. India 3: 63. 1880. PH.
- 112.24.4** *O. verticillata* L., Mant. Pl. 1: 40. 1767. *Hedyotis verticillata* (L.) Lamarck, Tabl. Encycl. 1: 271. 1792.; *H. hispida* Retzius; *O. hispida* (Retzius) Poir. **Mosquito weed**. AH or PH.
- 112.25** *Ophiorrhiza* L.
- 112.25.1** *O. lurida* Hook.f., Fl. Brit. India. 3: 82. 1880. Herb. Rare.
- 112.25.2** *O. mungos* L., Sp. Pl. 1: 150. 1753. **Mongoose plant**. PH.
- 112.25.3** *O. nutans* C.B. Clarke ex J. D. Hooker, Fl. Brit. India. 3: 84. 1880. AH. Common.
- 112.25.4** *O. rosea* Hook.f., Fl. Brit. India. 3: 78. 1880. Herb or subshrub.
- 112.25.5** *O. rugosa* Wallich in Roxburgh, Fl. Ind. 2: 547. 1824. *Ophiorrhiza harrisiana* Heyne ex G. Don var. *rugosa* (Wallich) J. D. Hooker; *O. prostrata* D. Don; *O. prostrata* var. *rugosa* (Wallich) Panigrahi & S. K. Kar. AH.
- 112.25.6** *O. succirubra* King ex Hook.f., Fl. Brit. India. 3: 82. 1880. AH. Common.
- 112.25.7** *O. thomsoni* Hook.f. Fl. Brit. India 3: 82. 1880. Herb.
- 112.25.8** *O. treutleri* Hook.f., Fl. Br. Ind. 3: 83. 1880. **Chire**. Herb. Common.
- 112.26** *Paederia* L.
- 112.26.1** *P. cruddasiana* Prain in J. Asiat. Soc. Beng. 67: 295. 1898. *Paederia cruddasiana* subsp. *microcarpa* (Kurz) Puff; *P. foetida* Linnaeus var. *microcarpa* Kurz. **Sewer vine, Onion vine, Pade/Bire Lahara**. Climber. Common.
- 112.26.2** *P. foetida* L., Mant. Pl. 1: 52. 1767. *Paederia tomentosa* Blume. 1826; *P. scandens* (Lour.) Merr., Contr. Arn. Arb. 8: 163. 1934. **Gandhabadhul, Pate birei**. Herb. Common.
- 112.27** *Pavetta* L.
- 112.27.1** *P. indica* L., Sp. Pl. 1: 110. 1753. *Ixora pavetta* Roxb., Fl. Ind. 1: 395. 1820; ed. 2, 1: 385. 1832. **White pavetta, Juhi, Padera, Paldu, Sundok, Kangiyo phool, Taklee**. Shrub.
- 112.27.2** *P. polyantha* (Hook.f.) Wall. ex Bremekamp, Repert. Spec. Nov. Regni Veg. 37: 103. 1934. *Pavetta indica* Linnaeus var. *polyantha* J. D. Hooker, Fl. Brit. India 3: 150. 1880. Shrub.
- 112.27.3** *P. tomentosa* Roxburgh ex Smith in Rees, Cycl. 26: Pavetta no. 2. 1814. *Ixora tomentosa* (Roxburgh ex Smith) Roxburgh; *I. tomentosa* var. *roxburghii* Kurz; *Pavetta indica* Linnaeus var. *tomentosa* (Roxburgh ex Smith) J. D. Hooker; *P. tomentosa* var. *roxburghii* (Kurz) Bremekamp. Shrub or small tree.
- 112.27.4** *Pitardella sikkimensis* (Hook.f.) Tirveng., Biogeographica (The Hague) 79: 33. 2003. *Gardenia sikkimensis* (Hook.f.) Valetton; *Randia sikkimensis* Hook.f., Fl. Brit. India 3: 114. 1880. Shrub.
- 112.27.5** *P. calocarpa* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 41: 315. 1872. Subshrub.
- 112.27.6** *P. erratica* Hook. f., Fl. Br. Ind. 3: 168. 1880. Shrub.
- 112.27.7** *P. symplocifolia* Kurz, Forest Fl. Burma. 2: 11. 1877. Shrub or small tree.
- 112.28** *Rubia* L.

- 112.28.1** *R. charifolia* Wallich ex G. Don, Gen. Hist. 3: 643. 1834. Climber.
- 112.28.2** *R. cordifolia* L., Syst. Nat. ed. 12. 3: 229. 1768; DC., l.c.; Hook. L., l.c.; Cooke, l.c. *Rubia cordifolia* var. *munjista* (Roxb.) Miq. in Ann. Mus. Lugd.-Bat. 3: 111. 1867; Das et al. 2008. *Rubia cordifolia* var. *cordifolia* forma *strigosa* Deb & Malick in J. Bomb. Nat. Hist. Soc. 63 (3): 782. 1966. *Rubia manjith* Roxb., Fleming Asiat. Res. 11: 117. 1810. *Rubia mitis* Miq. in Ann. Mus. Lugd.-Bat. 3: 112. 1867. *Rubia mungith* Roxb. Ex Desv. in J. de B. Desv. 1814(2): 207. 1814. *Rubia munjista* Roxb., Fl. Ind. 1: 384. 1820. DC., Prodr. 4: 588. 1830. *Rubia scandens* Tol. et Mor. In Miq., Fl. Ind. Bat. 2: 338. 1853. **Indian Madder; Majeto.** PH.
- 112.28.3** *R. manjith* Roxb. ex Fleming, As. Research. 11: 177. 1810. Das et al. 2008. *Rubia munjista* Roxb. Fl. Ind. 1: 383 1820. *R. cordifolia* Linnaeus var. *khasiana* Watt; *R. cordifolia* var. *munjista* (Roxburgh) Miquel; *R. mungith* Roxb. ex Desv., J. de B. Desv. 1814(2): 207 (1814). **Indian Madder; Magitho.** PH. Sparse.
- 112.28.4** *R. sikkimensis* Kutz. J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 43(2): 188. 1874; Hook. f., Fl. Brit. India 3 : 203. 1881; C.E.C. Fischer in Rec. Bot. Surv. India 12 (2) : 102. 1938. **Bhale Majito.** PC. Sparse.
- 112.28.5** *R. wallichiana* Decne., Recher. Garance 61. 1837. *Rubia asperrima* Jacq. PH. Common.
- 112.29 Spermaceo L.**
- 112.29.1** *S. alata* Hist. Pl. Guiane 60. 1775. *Borreria alata* (Aubl.) DC., Prodr. 4: 544. 1830. Aublet, Hist. Pl. Guiane. 1: 55. 1775; *B. latifolia* (Aublet) K. Schumann; *Spermaceo latifolia* Aublet, Hist. Pl. Guiane 60. 1775. **Paundhi.** PH. Abundant.
- 112.29.2** *S. articularis* L.f. Suppl. Pl. 119. 1782. *Borreria articularis* (L.f.) F.N.Williams, Bull. Herb. Boissier 2, 5: 956. 1905. *Spermaceo scabra*, *Borreria articularis* (L.f.) F.N.Williams, *Spermaceo flexuosa*. **Shaggy buttonweed, Jointed Buttonweed, False buttonweed.** AH.
- 112.29.3** *S. ocymoides* Burm. f., Fl. Indica 34. 1768. *Borreria ocymoides* (Burm. f.) DC., Prodr. 4: 544. 1830. **Purple Leaved Button Weed.** AH. Abundant.
- 112.30 Spermadictyon Roxb.**
- 112.30.1** *S. suaveolens* Roxb., Pl. Corom. 3: 32, t. 236. 1815. *Hamiltonia suaveolens* (Roxburgh) Roxburgh. **Forest Champa; Ben champa.** Shrub.
- 112.31 Uncaria Schreber**
- 112.31.1** *U. scandens* (Smith) Hutchinson in Sarg. Pl. Wilson 3: 406. 1916. *Nauclea scandens* Smith in Rees, Cycl. 24: Nauclea no. 9. 1813; *Cephalanthus cavaleriei* H. Léveillé; *Uncaria wangii* F. C. How. Large liana.
- 112.31.2** *U. sessilifructus* Roxburgh, Fl. Ind. ed. 2(1): 520. 1832. *Nauclea sessilifructus* (Roxburgh) D. Dietrich. SC. Less common.
- 112.32 Wendlandia Bartl. ex DC.**
- 112.32.1** *W. coriacea* (Wall.) DC., Prodr. 4: 412. 1830. *Rondeletia budda* Buch.-Ham. ex D.Don.; *Rondeletia byrsophylla* Spreng.; *Rondeletia coriacea* Wall. Tree. Endemic. Less common.
- 112.32.2** *W. heynei* (Schult.) Santapau & Merchant, Bull. Bot. Surv. India 3: 110. 1962. *Wendlandia exserta* (Roxb.) DC.; Prodr. 4: 411 (1830); *Rondeletia cinerea* Wall., in Roxb., Fl. Ind. 2: 141 (1824); *R. exserta* Roxb.; *R. heynei* Schult; *Wendlandia cinerea* (Wall.) DC., Prodr. 4: 412 (1830). **Tilki, Kadam.** Shrub or small tree.
- 112.32.3** *W. sikkimensis* Cowan, Notes Roy. Bot. Gard. Edinburgh 16: 246. 1932. Small tree.
- 112.32.4** *W. tinctoria* (Roxb.) DC., Prodr. 4: 411 (1830) var. *grandis* Hook. f.; *Wendlandia tinctoria* var. *normalis* Hook. f.; Fl. Br. Ind. 3: 38 (1880). *Rondeletia tinctoria* Roxburgh, Fl. Ind. 2: 134. 1824. **Kangi, Singnok, Tulalodh.** Shrub or small tree.
- 112.32.5** *W. wallichii* Wight & Arn., Prodr. Fl. Ind. Orient. 402. 1834. Shrub.
- 113. RUTACEAE** Juss., Gen. Pl.: 296. 4 Aug 1789, nom. cons. (the Rue or Citrus Family). Genus: 16; Species: 32
- 113.1 Acronychia J.R.Forst. & G.Forst.**
- 113.1.1** *A. pedunculata* (L.) Miq., Fl. Ned. Ind., Eerste Bijv. 532. 1861. *Jambolifera pedunculata* L.; *Cyminosma pedunculata* (Linnaeus) Candolle; *A. laurifolia* Blume, Catalogus 27 1823 (Gamble's list). **Puanle, Paowlay.** Shrub or small tree.
- 113.2 Aegle Corrêa**
- 113.2.1** *A. marmelos* (L.) Corrêa in Trans. Linn. Soc. 5: 223. 1800. *Crataeva marmelos* Linn., Sp. Pl. 444. 1753. **Bael, Belapatra.** Tree. Planted.
- 113.3 Boenninghausenia Rchb.**
- 113.3.1** *B. albiflora* (Hook.) Reichb. ex Meisn., Pl. Vasc. Gen. 44. 1837; Hook. f., Fl. Brit. Ind. l.c. 486. *Ruta albiflora* Hook., Exot. Fl. t. 79. 1823; *Ruta japonica* Sieb. ex Hook. f., Fl. Brit. Ind. 1:486. 1875. **Dampate, Ankuree.** PH. Rare.
- 113.4 Citrus L.**
- 113.4.1** *C. medica* L., Sp. Pl. 2: 782 (1753). *Aurantium medicum* (Linnaeus) M. Gómez. **Citron, Patilebu Bimiro.** Shrub. Less common.
- 113.4.2** *C. reticulata* Blanco, Fl. Filip. 610. 1837. **Mandarin orange; Santara.** Small tree.
- 113.5 Clausena Burm.f.**
- 113.5.1** *C. anisata* (Willd.) Hook.f. ex Benth. Niger Fl. 256. 1849. *Amyris dentata* Willd., Sp. Pl. 2: 337. 1799. *Clausena dentata* (Willd.) M. Roem., Fam. Nat. Syn. Monogr. 1: 44. 1846. *C. willdenovii* Wight & Arn., Prodr. 96. 1834; Hook. f., Fl. Brit. India 1: 506. 1875. **Madanay, Terhilnyok, Sidemnyok.** Shrub or small tree.
- 113.5.2** *C. excavata* Burm. f., Fl. Ind. 87, t. 29, f. 2. 1768; Gamble 1878. *Amyris punctata* Roxburgh; *Clausena excavata* var. *lunulata* (Hayata) Tanaka; *C. forbesii* Engler; *C. lunulata* Hayata; *C. moningeriae* Merrill; *C. punctata* (Roxburgh) Wight & Arnott; *C. tetramera* Hayata; *Lawsonia falcata* Loureiro. **Asanyam.** US or small tree.
- 113.5.3** *C. pentaphylla* DC., Prodr. 1: 538. 1824 (Unresolved). *Cookia pentaphylla* Wight & Arn. ex M.Roem.; *Gallesioa pentaphylla* M. Roem. Large shrub.
- 113.6 Euodia J.R.Forst. & G.Forst., 1775**



- 113.6.1** *E. fraxinifolia* (D. Don) Hook. f.; Fl. Br. Ind. 1: 490 (1875). **Kanukpa**. Tree.
- 113.6.2** *E. meliifolia* (Hance ex Walp.) Benth., Fl. Hongk. 58. 1861 (Not recorded in Kew list). *Megabotrya meliifolia* Hance ex Walp.; *Ampacus meliifolia* (Hance ex Walp.) Kuntze.
- 113.7** *Evodia* J.R.Forst. & G.Forst., 1775
- 113.7.1** *E. fraxinifolia* (Hook.) Benth. Fl. Hongk. 59 1861 (Unresolved). Tree.
- 113.8** *Glycosmis* Corrêa
- 113.8.1** *G. pentaphylla* (Retz.) DC., Prodr. 1: 538. 1824; Gamble 1878. *Limonia pentaphylla* Retz., Observ. Bot. 5: 24 1788. **Arsaora**. Shrub or small tree.
- 113.9** *Melicope* J.R.Forst. & G.Forst.
- 113.9.1** *M. lunu-ankenda* (Gaertn.) T.G. Hartley, Sandakan 4: 61.1994. *Euodia lunu-ankenda* (Gaertn.) Merr. Philipp. J. Sci. 7(6): 378. 1912. *Evodia roxburghii* Benth; *Fagara lunuankenda* Gaertn., Fruct. Sem. Pl. 334, t. 68. f. 9. 1778; *Zanthoxylum roxburghianum* Cham. **Melicope**. Small tree. Sporadic.
- 113.10** *Micromelum* Blume
- 113.10.1** *M. integerrimum* (Buch.-Ham.) Wight & Arn. ex M. Roem., Fam. Nat. Reg. Veg. 1: 47. 1846. Tree.
- 113.10.2** *M. pubescens* Bl., Bijdr. 138 1825; Gamble 1878 (Unresolved). *Micromelum minutum*; *M. integerrimum*. **Lasmani, Kumbrong-kung**. Small tree.
- 113.11** *Murraya* J.Koenig ex L.
- 113.11.1** *M. koenigii* (L.) Spreng., Syst. Veg. 2: 315. 1817; Gamble 1878; Hook. f., l.c. 503. *Bergera koenigii* L., Mant. Pl. 565 1767; *Chalcas koenigii* (L.) Kurz, J. As. S. Beng. 44(2): 132. 1875. **Asare, Mithoneem, Mechiya saag, Kamini**. Shrub or small tree. Not common.
- 113.11.2** *M. paniculata* (L.) Jack, Malayan Misc. 1(5): 31 1820. *M. exotica* L., Mant. Pl. 2: 563 1771 (Gamble's list). *Chalcas paniculata* Linnaeus, Mant. Pl. 1: 68. 1767; *Murraya omphalocarpa* Hayata; *M. paniculata* var. *omphalocarpa* (Hayata) Tanaka. **Simali, Shitzem-kung**. Large shrub.
- 113.12** *Paramignya* Wight
- 113.12.1** *P. monophylla* Wight, Ill. Ind. Bot. 1: 109, t. 42. 1838; Hook. f. in Fl. Br. Ind. 1: 510. 1875; Gamble 1878 (Unresolved). *Micromelum monophyllum* Wight, Ill. Ind. B. 1: t. 42. 1838, pro syn. **Climbing Atalantia; Natkanta, Jhunok-kung**. SC. Less common.
- 113.13** *Skimmia* Thunb.
- 113.13.1** *S. arborescens* T. Anderson ex Gamble, J. Linn. S. B. 43: 491 (1916). *Skimmia wallichii* Hook. f. & Thomson ex Gamble, ; J. Linn. S. B. 43: 492 (1916); in Kew Bull. 1917: 302 (1917), excl. typo. **Asare, Rauna-phula**. Shrub or tree.
- 113.13.2** *S. laureola* (DC.) Sieb. & Zucc. ex Walp., Repert. Bot. Syst. 5: 405. 1845; Gamble 1878; Hook. f., Fl. Brit. Ind. l.c. 499 (Unresolved). *Limonia laureola* DC., Prodr. 1: 536. 1824. **Chumlani, Timbernyok**. Large shrub. Common.
- 113.14** *Tetradium* Lour.
- 113.14.1** *T. fraxinifolium* (Hook.f.) T. G. Hartley, Gard. Bull. Singapore. 34: 102. 1981. *Philagonia fraxinifolia* Hook., Icon. Pl. t. 710. 1845. *Euodia fraxinifolia* (Hook.) Benth. [Fl. Hongk. 59. 1861 (J. D. Hooker, Fl. Brit. India 1:490. 1875)]. **Khanakpa**. Tree. Sparse.
- 113.14.2** *T. glabrifolium* (Champion ex Benth) T. G. Hartley, Gard. Bull. Singapore. 34: 109. 1981. *Boymia glabrifolia* Champion ex Benth, Hooker's J. Bot. Kew Gard. Misc. 3: 330. 1851; *Euodia glabrifolia* (Champion ex Benth). **Thulo khanakpa**. Tree. Common.
- 113.14.3** *T. trichotoma* Lour. Fl. Cochinch. 1: 91. 1790. *Ampacus trichotoma* (Loureiro) Kuntze; *Brucea trichotoma* (Loureiro) Sprengel; *Euodia trichotoma* (Lour.) Pierre. Shrub or tree.
- 113.15** *Toddalia* Juss.
- 113.15.1** *T. asiatica* (L.) Lam., Tab. Encycl. 2: 116. 1797. *Toddalia aculeata* Pers., Syn. Pl. 1: 249. 1805 (Gamble's list). **Wild orange, Meinkara, Saphjirik**. SC. Less common.
- 113.16** *Zanthoxylum* L.
- 113.16.1** *Z. acanthopodium* DC., Prodr. 1: 727. 1824; Gamble 1878. **Japanese pepper; Bogay Timur, Bhale Timbur**. Shrub. Rare.
- 113.16.2** *Z. armatum* DC., Prodr. 1: 727. 1824. *Z. alatum* Roxb., Fl. Ind., ed. 1832 3: 768 768 1832 (Gamble's list). **Bamboo-leaf Prickly-ash, Nepalese pepper, Toothache tree, Winged prickly ash, Wingleaf prickly ash; Timur, Bhlay timur, Parpare timur; Sungrú-kung**. Shrub. Rare.
- 113.16.3** *Z. budrunga* Wall., Numer. List 1211. 1829 (Unresolved). *Z. limonella* (Dennst.) Alston.; *Z. rhetsa* DC.; *Fagara budrunga* Roxb.; *F. rhetsa* Roxb. **Timbur**. Tree.
- 113.16.4** *Z. limonella* (Dennst.) Alston, Handb. Fl. Ceylon 6(Suppl.): 37. 1931 (Unresolved). Tree.
- 113.16.5** *Z. nitidum* (Roxb.) DC., Prodr. 1: 727. 1824. *Z. hamiltonianum* Wall. ex Hook. f., Fl. Brit. India 1(3): 494. 1875 (Gamble's list). **Lemonscented prickly ash, Shining Prickly-ash; Purple Timur**. SC.
- 113.16.6** *Z. ovalifolium* Tutcher, J. Linn. Soc., Bot. 37: 64. 1905; Hook. f., Fl. Brit. India 1: 492. 1875; Gamble 1878. **Little Yellowwood**. Small tree or large shrub.
- 113.16.7** *Z. oxyphyllum* Edgew., Tr. Linn. S. 20: 42. 1846; Gamble 1878. *Fagara oxyphylla* (Edgew.) Engl., Pflfam. 3, 4: 118. 1896. **Nepal prickly ash. Sil Timur, Siritakdangji, Lahare timbur**. SC. Common.
- 113.16.8** *Z. rhetsa* (Roxb.) DC., Prodr. 1: 728. 1825. *Zanthoxylum budrunga* (Roxb.) DC. 1824. **Indian Prickly Ash. Chirphal, Teppal, Tirphal, Indian Pepper**. Tree.
- 114. SABIACEAE** Blume, Mus. Bot. 1: 368. 1851, nom. Cons. Genus: 2; Species: 10
- 114.1** *Meliosma* Blume
- 114.1.1** *M. arnottiana* (Wight) Walp, Repert. Bot. Syst. 1: 423 1842. *Meliosma wallichii* Planch. ex Hook. f., Fl. Brit. India 2(4): 6. 1876; *Millingtonia*

*arnottiana* Wight, Ill. Ind. Bot. 1: 144, pl. 53. 1840.

**Dabdabbi, Himan, Nunewalai.** Tree.

**114.1.2 *M. dilleniifolia*** (Wall. ex Wight & Arn.) Walp., Repert. 1: 423. 1842; Gamble 1878. *Millingtonia dilleniifolia* Wallich ex Wight & Arnott, Edinburgh New Philos. J. 15: 179. 1833. **Siamunu.** Tree.

**114.1.3 *M. pinnata*** (Roxburgh) Maximowicz, Bull. Acad. Imp. Sci. Saint-Pétersbourg, sér. 3. 12: 64. 1867; Gamble 1878. *Millingtonia pinnata* Roxburgh, Fl. Ind. 1: 103. 1820. *Meliosma wallichii* Planch. ex Hook. f., Fl. Br. Ind. 2: 6. 1876 (Gamble's list). **Nunewala, Himankung, Bolay.** Tree.

**114.1.4 *M. simplicifolia*** (Roxb.) Walp., Repert. 1: 423. 1842; Gamble 1878. **Dalchewri, Hingman-kung, Kosrú, Patpate.** Small tree.

**114.2 *Sabia* Colebr.**

**114.2.1 *S. campanulata*** Wall. ex Roxb., Fl. Ind. 2: 311. 1824. Hook. & Thomson, Fl. Ind. 1:200.1855; Brandis, For. Fl. 116.1874; Hook., l.c. *S. leptandra* Hook. f. et Thoms., Fl. Ind. 1: 209. 1855 (Gamble's list). **Simali-lara, Payong-rik.** Shrub. Less common.

**114.2.2 *S. limoniacea*** Wall. ex Hook. f. & Thomson, Fl. Ind. 1: 210 210 1855; Gamble 1878. *Androglossum reticulatum* Champion ex Bentham; *Sabia limoniacea* var. *ardisioides* L. Chen; *S. malabarica* Bedd., l.c. 39, t. 177. 1868-1874; Hook. f., Fl. Brit. India 2: 2. 1876. SC.

**114.2.3 *S. paniculata*** Edgew. ex Hook. f. & Thomson, Fl. Ind. 1: 211. 1855; Gamble 1878. **Kalilahara.** SC.

**114.2.4 *S. parviflora*** Wall. ex Roxb., Fl. Ind. 2: 310. 1824; Gamble 1878. *Celastrus discolor* H. Léveillé; *C. esquirolii* H. Léveillé; *Changiodendron guangxiense* R. H. Miao; *Sabia harmandiana* Pierre; *S. parviflora* var. *harmandiana* (Pierre) Lecomte; *S. parviflora* var. *nitidissima* H. Léveillé; *S. polyantha* Handel-Mazzetti. **Simali-lara, Payong-rik.** Shrub. Common.

**114.2.5 *S. purpurea*** Hook. f. & Thoms., Fl. Ind. 1: 209. 1855; **ssp. *dumicola*** (W. W. Smith) Water, Blumea. 26: 54. 1980. *Sabia dumicola* W. W. Smith, Notes Roy. Bot. Gard. Edinburgh 10: 63. 1917; *S. acuminata* L. Chen; *S. parvifolia* L. Chen. Shrub or climber.

**114.2.6 *S. yunnanensis*** C. H. Wright, Bull. Misc. Inform. Kew. 1896: 164. 1896. *Sabia leptandra* Hook. f. & Thomson, Fl. Ind. 1: 209 (1855). **Simalilahara; Payong-rik.** SC.

**115. SALICACEAE** Mirb., Elém. Physiol. Vég. Bot. 2: 905. 24–30 Jun 1815, nom. cons. (the Willow family). Genus: 4; Species: 14

**115.1 *Casearia* Jacq.**

**115.1.1 *C. glomerata*** Roxb., Fl. Ind. ed. 2, 2: 419. 1832. *Casearia glomerata* f. *pubinervis* How & Ko; *C. merrillii* Hayata. **Barkaunle/Barkhaunti, Teling-kung.** Tree or Shrub. Common.

**115.1.2 *C. graveolens*** Dalzell in Hooker, J. Bot. Kew Gard. Misc. 4: 107. 1852; Hook. f., Fl. Brit. India 2: 592. 1879; Balakr. in Sharma & Balakr., Fl. Ind. 2:

394. 1993. *Casearia graveolens* var. *lintsangensis* S.Y. Bao. **Barkaunle, Barkula.** Shrub or small tree.

**115.1.3 *C. kurzii*** C.B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 594. 1879. Small tree. Sporadic.

**115.1.4 *C. vareca*** Roxb. Hort. Bengal. 33; Fl. Ind. 2. 418. 1824. *Guidonia vareca* (Roxb.) Baill. ex Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 46(2): 92. 1877. Chaudhuri 1993. Shrub. Common.

**115.2 *Homalium* Jacq.**

**115.2.1 *H. ceylanicum*** (Gardner) Benth., J. Linn. S. B. 4: 35. 1860 "1859" [*zeylanicum*]. *Blackwellia ceylanica* Gardner, Calcutta J. Nat. Hist. 7: 452. 1847. **Ceylon Homalium.** Tree.

**115.2.2 *H. napaulense*** (DC.) Benth., J. Proc. Soc., Bot. 4: 34. 1860, 'nepalense'; Wall. ex C. B. Clarke in Fl. Br. Ind. 2: 596. 1879. *Blackwellia napaulense* DC. Prodr. 2: 54. 1825; *Blackwellia nepalensis* Wall. **Kuphre.** Tree.

**115.2.3 *H. zeylanicum*** Benth., J. Linn. Soc. Bot. 4: 35. 1860; Hook. f., Fl. Brit. India 2: 596. 1879. Tree.

**115.3 *Populus* L.**

**115.3.1 *P. ciliata*** Wall. ex Royle, Ill. Bot. Himal. Mts. 346 t. 84a f. 1. 1839; Hook.f., Fl. Brit. Ind. 5: 638. 1888. **Himalayan Poplar; Bangikath, Kashing.** Tree.

**115.3.2 *P. gamblei*** Dode, Bull. Soc. Hist. Nat. Autun 1905 (Unresolved). **Sungrikong' 'Pipalpati' or 'pilpile'.** Tree.

**115.3.3 *P. glauca*** Haines, J. Linn. Soc., Bot. 37(262): 408. 1906. **Himalayan Poplar; Sinka, Pipalpatay, Duday malata.** Tree.

**115.4 *Salix* L.**

**115.4.1 *S. babylonica*** L., Sp. Pl. 2: 1017. 1753; Brandis, Ill. Forest Fl. t. 59. 1874; Hook.f., Fl. Brit. Ind. 5: 629, 1888. **Weeping Willow; Bains, Banish.** Tree.

**115.4.2 *S. daltoniana*** Andersson, J. Linn. Soc., Bot. 4: 49–50. 1860. **Bhera kapasi.** Shrub or small tree.

**115.4.3 *S. salwinensis*** Hand.-Mazz. ex Enander, ; Anz. Akad. Wiss. Wien, Math.-Nat. 63: 95. 1926. *Salix salwinensis* var. *radinostachya* Handel-Mazzetti. **Weeping willow.** Shrub.

**115.4.4 *S. tetrasperma*** Roxb., Pl. Corom. 1: 66 t. 97. 1798; Andersson in Kung. Svenska Vet.-Akad. Handl. 1850: 484. 1851; Hook.f., Fl. Brit. Ind. 5: 626. 1888. *Pleiarina tetrasperma* (Roxburgh) N. Chao & G. T. Gong. **Indian willow.** Tree. Rare.

**116. SANTALACEAE** R. Br., Prodr.: 350. 27 Mar 1810, nom. cons. (Sandalwood family). Genus: 2; Species: 3

**116.1 *Dendrotrophe* Miquel**

**116.1.1 *D. granulata*** (Hook.f. & Thomson ex A. DC.) A.N. Henry & B. Roy, Bull. Bot. Surv. India 10: 276. 1969. *Henslowia granulata* J. D. Hooker & Thomson ex A. Candolle in Candolle, Prodr. 14(2): 632. 1857; *Dufrenoya granulata* (J. D. Hooker & Thomson ex A. Candolle) Stauffer; *H. granulata* var. *sikkimensis* A. Candolle; *Hylomyza granulata* (Hook. f. & Thomson ex A. DC.) Danser, Nova Guinea n.s., 4: 145 (1940). Epiphytic shrub.

**116.1.2 D. platyphylla** (Spreng.) N.H. Xia & M.G. Gilbert in Fl. China 5: 216. 2003. *Viscum platyphyllum* Sprengel, Syst. Veg. 4(2):47. 1827, *V. latifolium* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 142. 1825, not Lamarck (1789), nor Swartz (1797); *Dendrotrophe heterantha* (Wallich ex Candolle) A. N. Henry & B. Roy; *Dufrenoya platyphylla* (Sprengel) Stauffer, Vierteljahrsschr. Nat. Ges. Zurich 114: 70. 1969; *Henslowia heterantha* (Wallich ex Candolle) J. D. Hooker & Thomson ex A. Candolle in DC., Prodr. 14: 632. 1857 (Gamble's list); *Hylomyza platyphylla* (Spreng.) Danser, Nova Guinea n.s., 4: 145. 1940; *Viscum heteranthum* Wallich ex Candolle. **Ajiru**. Parasitic shrub.

### 116.2 *Pyrularia* Michaux

**116.2.1 P. edulis** (Wall. ex Roxb.) A. DC., Prodr. 14: 628. 1857; Gamble 1878. **Amphi, Sufhyi-kúng**. Tree. Rare. Endangered.

**117. SAPINDACEAE** Juss., Gen. Pl.: 246. 4 Aug 1789, nom. cons. (the Soapberry family). Genus: 8; Species: 27

### 117.1 *Acer* L.

**117.1.1 A. acuminatum** Wall. ex D. Don Prodr. Fl. Nepal. 249 1825. Tree.

**117.1.2 A. calcaratum** Gagnep. Notul. Syst. (Paris) 13: 192. 1948. *Acer osmastonii* Gamble, Bull. Misc. Inform. Kew 1908, 446. 1908. **Kapasi**. Tree. Rare. Endangered.

**117.1.3 A. campbellii** Hook. f. & Thomson ex Hiern in J. D. Hooker, Fl. Br. Ind. 1: 696. 1875. *A. campbellii* var. *serratifolia* Banerji, J. Bombay Nat. Hist. S. 58: 306, t. 1961; in Candollea 19: 218. 1964; in Rec. B. Surv. Ind. 19(2): 34, f. 4. 1966. **Maple; Chalum, Daom-kúng, Kapasi, Kilok, Yali, Yarla, Yatli-kúng**. Tree. Rare.

**117.1.4 Acer cappadocicum** Gled. Schriften Berlin. Ges. Naturf. Freunde 6: 116 1785. Tree.

**117.1.5 A. caudatum** Wall., Pl. As. Rar. 2: 4. 1830, p.p.; 28, t. 132. 1831, p.p. Hiern in Fl. Br. Ind. 1: 695. 1875; Gamble 1878. *Acer acuminatum* Wall. ex D. Don, Prodr. Florae Nepalensis 249. 1825; *Acer caudatum* var. *erosum* (Pax) Rehder; *Acer papilio* King, J. As. S. Beng. 65(2): 115. 1896; in Ann. B. G. Calc. 9: 17, t. 24. 1901. **Kapasi, Yalishin**. Tree. Rare.

**117.1.6 A. laevigatum** Wall., Pl. As. Rar. 2: 3, t. 104. 1830; Gamble 1878. **Putli, Thalikabashi; Tungnyok-kúng**. Tree.

**117.1.7 A. oblongum** Wall. ex DC., Prodr. 1: 593. 1824; Hiern in Hook.f., Fl. Brit. Ind. 1: 693. 1875; Gamble 1878; Brandis, For. Fl., reprint ed. 110. 1972. *Acer discolor* Maxim, Bulletin de l'Academie Imperiale des Sciences de St-Petersbourg 26: 436. 1880; *A. nepalense* Dippel, Handbuch der Laubholzkunde 2: 410. 1892; *A. oblongifolium* Dippel Handbuch der Laubholzkunde 2: 416. 1892. **Himalayan or Evergreen Maple; Chhibla Shi, Phirphire; Putali phul**. Tree.

**117.1.8 A. osmastoni** Gamble. **Kapasi**. Tree. Endangered.

**117.1.9 A. palmatum** Thunb. in Nova Acta Reg. Soc. Sc. Upsal. 4: 40. 1783; in Murray, Syst. Veg., ed. 14.

911. 1784. *Acer polymorphum* var. *palmatum* (Thunb.) K. Koch. Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4: 2 2. 1845. **Japanese maple or Smooth Japanese Maple**. Tree.

**117.1.10 A. pectinatum** Wall. ex G. Nicholson, Gard. Chron., n.s. 15: 365. 1881. nom. illeg. and nom. superfl. (*A. acuminatum* Wall. ex D. Don 1825); Wall. ex Pax, B. Jahrb. 7: 249. 1886; in Engl., Pflreich 4-163 (Ht. 8): 67, f. 12. 1902. *Acer forrestii* Diels f. *caudatilobum* Rehder; *A. pectinatum* var. *caudatilobum* (Rehder) A. E. Murray. **Lekh Kapasi, Thusi pangree, Yatli-kúng**. Tree. Endemic. Rare.

**117.1.11 A. sikkimense** Miq., Arch. Neerl. Sci. Nat. 2: 471. 1867; Gamble 1878. *Acer hookeri* Miq., Arch. Neerl. Sci. Nat. 2: 471. 1852; *A. sikkimense* ssp. *hookeri* (Miquel) Wesmael. **Hooker maple; Lal Kabashi, Palé-kúng, Kapasi Lahara, Palegnnyok**. Tree. Less common. Endangered.

**117.1.12 A. stachyophyllum** Hiern in J. D. Hooker, Fl. Br. Ind. 1: 694. 1875. *A. tetramerum* Pax Hooker's Icon. Pl. 19: t. 1897. 1889. **Birch-leaf Maple**. Tree. Rare.

**117.1.13 A. sterculiaceum** Wall., Pl. As. Rar. 2: 3, t. 105. 1830. *Acer villosum* Wall., Pl. As. Rar. 2: 4. 1830; *Acer sterculiaceum* var. *tomentosum* E. Murray, Kalmia 6: 8. 1974. **Franchet's maple, Himalayan maple**. Tree. Rare.

**117.1.14 A. sterculiaceum ssp. thomsonii** (Miq.) A.E. Murray, Kalmia 1: 37. 1969; *Acer thomsonii* Miq., Arch. Neerl. Sci. Nat. 2: 470. 1867; Gamble 1878. *Acer sterculiaceum* ssp. *thomsonii* (Miq.) Murray, Kalmia 1: 37. 1969; *Acer villosum* var. *thomsonii* (Miq.) Hiern, Fl. Br. Ind. 1: 695. 1875. **Melo Kapasi**. Tree. Common.

### 117.2 *Aesculus* L.

**117.2.1 A. assamica** Griffith, Not. Pl. Asiat. 4: 540. 1854. *Aesculus chuniana* Hu & W. P. Fang; *A. lantsangensis* Hu & W. P. Fang; *A. megaphylla* Hu & W. P. Fang; *A. polyneura* Hu & W. P. Fang; *A. polyneura* var. *dongchuanensis* X. W. Li & W. Y. Yin; *A. punduana* Wall., Numer. List num. 1180 num. 1180. 1829 (Gamble's list); *A. rupicola* Hu & W. P. Fang. **Horse chestnut; Cherinangri, Pangre, Satpati**. Tree.

**117.2.2 A. indica** (Wall. ex Cambess.) Hook., B. Mag. 85: t. 5117 (1859). *Pavia indica* Wall. ex Cambess, Voy. Inde 4(Bot.): 31, pl. 35 1835-1844. **Horse Chest-nut, Karu, Gghode paangro**. Tree.

### 117.3 *Allophylus* L.

**117.3.1 A. chartaceus** (Kurz) Radlkofer in Engler & Prantl, Nat. Pflanzenfam. 3(5): 313. 1895. *Schmidelia chartacea* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 43: 183. 1874; *Allophylus zeylanicus* Linnaeus var. *grandifolius* Hiern. Small shrub.

**117.3.2 A. zeylanicus** (L.), Sp. Pl. 1: 348. 1753; var. *glandiflora* Hiern in Hook. f., Fl. Br. India 1:673.1875; Gamble 1878. **Kautieryok**

### 117.4 *Dodonaea* Mill.

**117.4.1 D. viscosa** (L.) Jacq. Enum. Syst. Pl. 19. 1760; Gamble 1878. *Dodonaea burmanniana* D C., Prodr. 1:616. 1824. *Dodonaea dioica* Roxb., Hort.

Beng. 28. 1814. Fl. Ind. 324. 1832. *Ptelea viscosa* L. Sp. Pl. 1: 118. 1753. **Hopbush**. Shrub.

### 117.5 *Lepisanthes* Blume

**117.5.1** *L. rubiginosa* (Roxburgh) Leenhouts, Blumea. 17: 82. 1969. *Sapindus rubiginosus* Roxburgh, Pl. Coromandel 1: 44. 1795 ["*rubiginosa*"]; *Erioglossum rubiginosum* (Roxburgh) Blume. Shrub or small tree. Common.

**117.5.2** *L. senegalensis* (Poir.) Leenh. Blumea 17: 85 1969. *Sapindus senegalensis* Poiret in Lamarck, Encycl. 6: 666. 1804; *Aphania rubra* Radlk. Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 8: 238. 1878; *S. ruber* (Roxburgh) Kurz; *Scytalia rubra* Roxburgh ["*rubia*"]. **Achatta, Kaphul**. Tree or shrub.

### 117.6 *Litchi* Sonn.

**117.6.1** *L. chinensis* Sonn. Voy. Ind. Orient. 3: 255-258. 1782. *Dimocarpus lichi* Loureiro; *Nephelium litchi* Cambess. Mém. Mus. Hist. Nat. 18: 30. 1829. **Lychee Nut or Litchi**. Tree.

### 117.7 *Sapindus* L.

**117.7.1** *S. attenuatus* Wall., Numer. List 8037. 1847 (Gamble's list)[Unresolved]. *Euphoria attenuata* Planch. ex Hiern., Fl. Brit. India 1: 684. 1875; *Lepisanthes senegalensis* (Poir.) Leenh., Blumea 7: 85. 1969. **Achatta; Sirhootungchir**. Shrub. Common.

**117.7.2** *S. detergens* Roxb. Fl. Ind. ed. 2: 280. 1832 (Unresolved). Tree.

**117.7.3** *S. mukorossii* Gaertn., Fruct. 1:342 t. 70. 1788. Hiern in Hook. f., Fl. Brit. Ind. 1:683.1875; Brandis, l.c. 191. *Sapindus detergens* Roxb., Hort. Beng. 29. 1814. Fl. Ind. 332. 1832; Kanjilal, For. Fl. Siw. Jauns. Div. 115. 1911. **Soap nut; Ritha Soap nut tree; Ritha**. Tree. Rare.

### 117.8 *Schleichera* Lour.

**117.8.1** *S. oleosa* (Lour.) Merr., Interpr. Rumph. Herb. Amboin. 337. 1917. *Schleichera oleosa* (Lour.) Oken, Allg. Naturgesch. 3:1341. 1841; *Cussambium oleosum*; *Pistacia oleosa* Lour., Fl. Cochinch. 615. 1790; *Schleichera trijuga* Willd., Sp. Pl. 4: 1096. 1805; Hook. f., Fl. Brit. India 1: 681. 1875. **Ceylon Oak, Lac tree, Kusum**. Tree.

**118. SAPOTACEAE** Juss., Gen. Pl.: 151. 4 Aug 1789, nom. cons. (Sapodilla family). Genus: 3; Species: 3

### 118.1 *Diploknema* Pierre

**118.1.1** *D. butyracea* (Roxb.) H.J. Lam, Bull. Jard. Bot. Buitenzorg 3, 7: 186. 1925. *Aesandra butyracea* (Roxb.) Baehni, Boissiera 11: 29. 1965; *Bassia butyracea* Roxb., Asiat. Res. 8: 477. 1805; *Madhuca butyracea* (Roxb.) J.F. Macbr.; *Mixandra butyracea* (Roxb.) Pierre ex L. Planch.; *M. butyracea* (Roxb.) Pierre ex Dubard; *Vidoricum butyraceum* (Roxb.) Kuntze. **Indian Butter Tree. Chiwree; Chiuri**. Tree. Sporadic.

### 118.2 *Madhuca* J.F.Gmel.

**118.2.1** *M. longifolia* var. *latifolia* (Roxb.) A. Chev. Rep. Bot. Appl. 23: 149. 1943. *Bassia latifolia* Roxb. Pl. Coromandel 1: 20. 1795; *Illipe latifolia* (Roxb.) F. Muell.; *Madhuca indica* J.F. Gmel.; *Madhuca latifolia* (Roxb.) J.F. Macbr.; *Vidoricum latifolium* (Roxb.)

Kuntze. **Honey tree, Indian Butter Tree, Mauwa, mahuwa**. Tree.

### 118.3 *Sarcosperma* Hook.f.

**118.3.1** *S. arboreum* Hook. f. Gen. Pl. 2: 655. 1876. *Sideroxylon arboreum* Buch.-Ham. ex C.B. Clarke in J.D. Hooker, Fl. Brit. India. 3: 535. 1882. **Kalikath**. Tree. Common.

**119. SAURURACEAE** F. Voigt in L.C.M. Richard, Anal Frucht.: 45, 67. 1811, nom. cons. (Lizard's-tail Family); Mukherjee & Debroy 1987. Genus: 1; Species: 1

### 119.1 *Houttuynia* Thunb.

**119.1.1** *H. cordata* Thunb., Kongl. Vetensk. Acad. Nya Handl. 4: 149, 151. 1783. **Chameleon Plant, Gandey-jhar**. PH. Frequent.

**120. SAXIFRAGACEAE** Juss., Gen. Pl.: 308. 4 Aug 1789, nom. cons. (Saxifrage family). Genus: 5; Species: 12

### 120.1 *Astilbe* Buch.-Ham. ex D.Don

**120.1.1** *A. rivularis* Buch.-Ham. ex D. Don, ; Prodr. Fl. Nep. 211 (1825); Yonzone et al. 1985. **Buriokhati**. Herb. Sparse.

### 120.2 *Bergenia* Moench

**120.2.1** *B. ciliata* (Haw.) Sternb., Rev. Saxifr. Suppl. 2: 2. 1831. *B. ligulata* var. *ciliata* (Royle) Engl., B. Zeit. 26: 841. 1868. **Akhanved, Paashanabed, Pakhanbet**. Herb. Vulnerable.

**120.2.2** *B. pacumbis* (Buch.-Ham. ex D.Don) C.Y. Wu & J.T. Pan, Acta Phytotax. Sin. 26: 126. 1988. *Bergenia ligulata* Engl., Bot. Zeitung (Berlin) 26: 840. 1868; Wall. Asiat. Res. 13: 398. 1820; *Saxifraga pacumbis* Buch.-Ham. ex D. Don., Prodr. Fl. Nepal. 209. 1825. PH.

### 120.3 *Chrysosplenium* L.

**120.3.1** *C. nepalense* D. Don, Prodr. Fl. Nep. 210. 1825. *Chrysosplenium guebriantianum* Handel-Mazzetti; *C. nepalense* var. *yunnanense* (Franchet) Franchet; *C. sulcatum* Maximowicz; *C. yunnanense* Franchet. PH.

**120.3.2** *C. singalilense* Hara. Journ. Jap. Bot. 36: 77 (1961). PH. Endemic.

### 120.4 *Saxifraga* L.

**120.4.1** *S. aristulata* J. D. Hooker & Thomson, J. Proc. Linn. Soc., Bot. 2: 68. 1858. PH.

**120.4.2** *S. brachypoda* D. Don, ; Tr. Linn. S. 13: 378 (1821); Prodr. Fl. Nep. 209 (1825). *Saxifraga brachypoda* var. *fimbriata* D. Don; B. Jahrb. 48: 591 (1912). *Saxifraga glandulosa* Wall. ex DC.; Prodr. 4: 45 (1830). *Saxifraga wallichiana* Sternb.; Rev. Saxifr. Suppl. 2: 21, t. 22 (1831). PH.

**120.4.3** *S. diversifolia* Wallich ex Seringe in de Candolle, Prodr. 4: 44. 1830. *Saxifraga diversifolia* f. *angustibracteata* Engler & Irmscher, Notes Roy. Bot. Gard. Edinburgh 5: 139. 1912. PH.

**120.4.4** *S. hispidula* D. Don, ; Tr. Linn. S. 13: 380 (1821); Prodr. Fl. Nep. 210 (1825). *Hirculus hispidulus* (D. Don) Losinskaja; *Saxifraga evoluloides* Wall. ex DC., ; Prodr. 4: 46 (1830). PH.

**120.4.5** *S. mucronulata* Royle; Ill. B. Him. 227 (1835) ssp. *sikkimensis* Royle; in H. Hara & Williams,

Enum. Flow. Pl. Nep. 2: 153 (1979). *Saxifraga flagellaris* subsp. *mucronulata* (Royle) Engl. & Irmsch.; in Engl., Pflreich IV-117 (Ht. 67): 163 (1916). *Saxifraga flagellaris* var. *mucronulata* (Royle) C. B. Clarke; Fl. Br. Ind. 2: 397 (1878). *Saxifraga spinulosa* Royle, ; Ill. B. Him. t. 50, f. 2 (1835); non DC. (1830). PH.

**120.4.6** *S. stolonifera* Curtis, Philos. Trans. 64(1): 308, no. 2541. 1774. *Diptera sarmentosa* (Linnaeus f.) Losinskaja; *Ligularia sarmentosa* (Linnaeus f.) Haworth; *Rupifraga sarmentosa* (Linnaeus f.) Rafinesque; *Saxifraga sarmentosa* Schreber. PH.

### 120.5 *Tiarella* L.

**120.5.1** *T. polyphylla* D. Don. Prodr. Fl. Nepal. 210 210 1825. PH.

**121. SCHISANDRACEAE** Blume, Fl. Javae 32–33: 3. 25 Jun 1830, nom. cons. (Star-vine family). Genus: 2; Species: 5

#### 121.1 *Kadsura* Kaempf. ex Juss.

**121.1.1** *K. heteroclita* (Roxb.) Craib., Fl. Siam. Enum. 1: 28. 1925. *Uvaria heteroclita* Roxburgh, Fl. Ind., ed. 1832, 2: 455. 1832; *Kadsura championii* C. B. Clarke; *K. interior* A. C. Smith; *K. polysperma* Y. C. Yang; *K. roxburghiana* Arnott; *K. wattii* C. B. Clarke; *K. wightiana* Arnott. Climber. Rare.

#### 121.2 *Schisandra* Michx.

**121.2.1** *S. elongata* (Blume) Baill., Hist. Pl. 1: 148. 1868. *Sphaerostema elongatum* Blume, Bijdr. Fl. Ned. Ind. 23 (1825), as *Sphaerostemma*. **Mandani, Flotoshingrik, Singhatta lahara.** Climber. Not common.

**121.2.2** *S. grandiflora* (Wall.) Hook. f. & Thomson, Fl. Br. Ind. 1: 44. 1872, as *Schizandra*. *Kadsura grandiflora* Wall., Tent. Fl. Nepal. 10 (1824); *Sphaerostema grandiflorum* (Wall.) Blume, Fl. Jav., Schizandr. 14 in textu. 1830. **Singhatta lahara; Taksielrik.** Large climber. Common.

**121.2.3** *S. neglecta* A.C. Sm., Sargentia 7: 127, f. 17g (1947). SC. Less common.

**121.2.4** *S. propinqua* (Wall.) Baill., ; Hist. Pl. 1: 148, f. 183, 184 (1868). *Kadsura propinqua* Wall., Tent. Fl. Nepal. 11 (1824); *Sphaerostema propinqua* (Wall.) Blume, Fl. Javae [Schizandreae] 15 (1830), as *S. propinquo*. SC. Less common.

**122. SCROPHULARIACEAE** Durande, Notions Elém. Bot.: 265. 1782; Juss., Gen. Pl.: 117. 4 Aug 1789, nom. cons. (the Snapdragon, Mullein and Figwort family). Genus: 21; Species: 53

#### 122.1 *Alectra* Thunberg

**122.1.1** *A. arvensis* (Benth) Merrill, Philipp. J. Sci. Bot. 12: 109. 1917. *Glossostylis arvensis* Benth, Scroph. Ind. 49. 1835. RP. Less common.

#### 122.2 *Antirrhinum* L.

**122.2.1** *A. majus* L., Sp. Pl. 2: 617. 1753. **Snap Dragon, Dog flower; Baghmukhe phool.** Herb.

#### 122.3 *Bacopa* Aubl.

**122.3.1** *B. monnieri* (L.) Wettst., Nat. Pflanzenfam. 4(3b): 77. 1891. *Herpestis monnieri* (L.) H. B. & K.; *Lysimachia monnieri* L. Cent. Pl. 2: 9. 1756. **Brahmi.** Herb.

#### 122.4 *Buddleja* L.

**122.4.1** *B. asiatica* Lour., Fl. Cochinch. 1: 72. 1790. *Buddleja acuminatissima* Blume; *B. arfakensis* Kanehira & Hatusima; *B. amentacea* Kraenzlin; *B. asiatica* var. *brevicuspe* Koorders; *B. asiatica* var. *densiflora* (Blume) Koorders & Valetton; *B. asiatica* var. *salicina* (Lamarck) Koorders & Valetton; *B. asiatica* var. *sundaica* (Blume) Koorders & Valetton; *B. densiflora* Blume; *B. neemda* Buchanan-Hamilton ex Roxburgh; *B. neemda* var. *philippensis* Chamisso & Schlechtendal; *B. salicina* Lamarck; *B. serrulata* Roth; *B. subserrata* Buchanan-Hamilton ex D. Don; *B. sunaica* Blume; *B. virgata* Blanco; *Vitex esquirolii* H. Léveillé. **Bhinsenpattee.** Climber. Sparse.

**122.4.2** *B. colvillei* Hook. f. Ill. Himal. Pl. t. 18 1855; Moktan & Das 2014. *Buddleja sessilifolia* B.S.Sun ex S.Y.Bao. **East Himalayan Butterfly Bush.** Large shrub. Endemic.

**122.4.3** *B. crispa* Benth., Scroph. Ind. 43. 1835. **Himalayan Butterfly Bush.** Shrub.

**122.4.4** *B. davidii* Franchet, Nouv. Arch. Mus. Hist. Nat., sér. 2. 10: 65. 1887. *Buddleja davidii* var. *alba* Rehder & E. H. Wilson; *B. davidii* var. *glabrescens* Gagnepain; *B. davidii* var. *magnifica* (E. H. Wilson) Rehder & E. H. Wilson; *B. davidii* var. *nanhoensis* (Chittenden) Rehder; *B. davidii* var. *superba* (Veitch) Rehder & E. H. Wilson; *B. davidii* var. *veitchiana* (Veitch) Rehder & Bailey; *B. davidii* var. *wilsonii* (E. H. Wilson) Rehder & E. H. Wilson; *B. shaanxiensis* Z. Y. Zhang; *B. shimidzuana* Nakai; *B. striata* Z. Y. Zhang; *B. striata* var. *zhouquensis* Z. Y. Zhang; *B. variabilis* Hemsley; *B. variabilis* var. *magnifica* E. H. Wilson; *B. variabilis* var. *nanhoensis* Chittenden; *B. variabilis* var. *prostrata* C. K. Schneider; *B. variabilis* var. *superba* Veitch; *B. variabilis* var. *veitchiana* Veitch; *B. variabilis* var. *wilsonii* E. H. Wilson. **Summer lilac, butterfly-bush, orange eye, Slipper flower.** Shrub.

**122.4.5** *B. paniculata* Wall. in Roxburgh, Fl. Ind. 1: 412. 1820. *Buddleja acutifolia* C. H. Wright; *B. gynandra* C. Marquand; *B. lavandulacea* Kraenzlin; *B. mairei* H. Léveillé; *B. mairei* H. Léveillé f. *albiflora* H. Léveillé. **Paniced Butterfly Bush.** Shrub or small tree.

#### 122.5 *Calceolaria* L.

**122.5.1** *C. mexicana* Benth, Pl. Hartw. 47. 1840. Herb.

**122.5.2** *C. tripartita* Ruiz & Pav. Fl. Peruv. 1: 14. 1798. *Calceolaria gracilis* Kunth; in Humb., Bonpl. & Kunth, Nov. Gen. Sp. 2: 339 (1818); Das et al. 2008. **Slipper Flower, Slipperwort, Gold Purse.** AH.

#### 122.6 *Centrathera* R.Br. 1810

**122.6.1** *C. cochinchinensis* var. *nepalensis* (D. Don) Merr., 150th Ann. Vol. B. G. Calc. 56 (1942). *Centranthera nepalensis* D. Don, ; Prodr. Fl. Nep. 88 (1825); *Razumovia cochinchinensis* (Louriero) Merrill var. *nepalensis* (D. Don) Merrill. **Gumteolee.**

#### 122.7 *Digitalis* L.

**122.7.1** *D. purpurea* L. Sp. Pl. 2: 622. 1753. **Digitalis, Foxglove, Jandi phul.** PH. Planted.

**122.8 *Erythranthe* (L.) G. L. Nesom**

**122.8.1 *E. bhutanica*** (Yamazaki) G.L. Nesom, *Phytoneuron* 2012–39: 40. 2012. comb. nov. (Not recorded in Kew list). *Mimulosma bhutanicus* T. Yamaz. *J. Jap. Bot.* 68: 23. 1993. Herb.

**122.9 *Hemiphragma* Wall.**

**122.9.1 *H. heterophyllum*** Wall., *Tr. Linn. S.* 13: 612 (1822). **Nash Jhaar.** PH. Common.

**122.10 *Limnophila* R.Br.**

**122.10.1 *L. aromatica*** (Lamarck) Merrill, *Interpr. Herb. Amboin.* 466. 1917. *Ambulia aromatica* Lamarck, *Encycl.* 1: 128. 1783. AH or PH.

**122.10.2 *L. repens*** (Benth) Benth in A. de Candolle, *Prodr.* 10: 387. 1846. *Stemodia repens* Benth in Lindley, *Bot. Reg.* 17: ad t. 1470. sp. 11. 1832. Herb.

**122.10.3 *L. sessiliflora*** (Vahl) Blume, *Bijdr.* 749. 1826. *Hottonia sessiliflora* Vahl, *Symb. Bot.* 2: 35. 1791; *Ambulia sessiliflora* (Vahl) Baillon ex Wettstein; *L. taoyuanensis* Yang & Yen. PH.

**122.11 *Linaria* Mill.**

**122.11.1 *L. odora*** Fisch. *Cat. Jard. Gorenki* 2: 25. 1812 (Unresolved). *Antirrhinum odorum* M. Bieb. **Woodruff Toadflax.** AH.

**122.12 *Lindenbergia* Lehm.**

**122.12.1 *L. grandiflora*** (Buch.-Ham. ex D. Don) Benth., *Scroph. Ind.* 22 (1835). *Stemodia grandiflora* Buch.-Ham. ex D. Don. **Bhendee phool.** SH.

**122.12.2 *L. indica*** (L.) Vatke, ; *Oesterr. B. Zeits.* 25: 10 (1875)(Unresolved). **Haldi-Basanta; Bagh mukhe ghans.** AH.

**122.12.3 *L. muraria*** (Roxburgh ex D. Don) Brühl. *J. Dept. Sci. Calcutta Univ.* 2: 26. 1920. *Stemodia muraria* Roxburgh ex D. Don. *Prodr. Fl. Nepal.* 89. 1825. **Wall Lindenbergia; Beduwar jhar.** AH.

**122.13 *Lindernia* Allioni**

**122.13.1 *L. ciliata*** (Colsmann) Pennell, *Brittonia.* 2: 182. 1936. *Gratiola ciliata* Colsmann, *Prodr. Descr. Gratiol.* 14. 1793; *Bonnaya brachiata* Link & Otto; *Gratiola serrata* Roxburgh; *Ilysanthes serrata* (Roxburgh) Urban; *Vandellia ciliata* (Colsmann) T. Yamazaki. **Bhumi-Nim; Karaute jhar.** AH.

**122.13.2 *L. hookeri*** Wettst. *Nat. Pflanzenfam.* 4(3b): 80. 1891 (Unresolved). *Lindernia hookeri* C.B. Clarke ex Hook.f. *Fl. Brit. India* 4: 261. 1884. Herb.

**122.13.3 *L. parviflora*** (Roxb.) Haines, *Bot. Bihar & Orissa* 4: 635 (1922). *Bonnaya parviflora*, *Ilysanthes parviflora*. **Small-Flowered Lindernia.** Herb.

**122.13.4 *L. pusilla*** (Willd.) Bold, *Zakfl. Java* 165. 1916. *Gratiola pusilla* Willd. *Vandellia scabra* Benth., *Scroph. Ind.* 36. 1835; Hook. f., *Fl. Brit. Ind.* 4: 281. 1884 (Unresolved in Kew list). **Tiny slitwort.** AH.

**122.13.5 *L. ruellioides*** (Colsmann) Pennell, *Brittonia.* 2: 182. 1936. *Gratiola ruellioides* Colsmann, *Prodr. Descr. Gratiol.* 12. 1793; *Bonnaya reptans* (Roxburgh) Sprengel; *Gratiola reptans* Roxburgh; *Ilysanthes ruellioides* (Colsmann) Kuntze. AH.

**122.13.6 *L. viscosa*** (Hornem.) Merr., *Sp. Blancoan.* 14. 1918. *Gratiola viscosa* Hornemann, *Enum. Pl. Hort. Hafn.* 19. 1807; *Hornemannia viscosa* (Hornemann) Willdenow; *Lindernia cruciformis*

Hayata; *L. hirsuta* (Benth.) Wettst. *Nat. Pflauzen.* f. 4: 36. (1891); *L. viscosa* (Hornemann) Boldingh, *Zakfl. Java.* 165. 1916; *Pyxidaria viscosa* (Hornem.) Kuntze; *Tittmannia viscosa* (Hornem.) Rchb.; *Vandellia hirsuta* Benth.; *V. viscosa* (Hornemann) Merrill. *Philipp. J. Sci.* 7: 246. 1912. AH.

**122.14 *Mazus* Lour.**

**122.14.1 *M. pumilus*** (Burm. f.) Steenis, *Nova Guin. n.s.*, 9: 31 (1958). **Malati jhar.** AH.

**122.14.2 *M. surculosus*** D. Don, *Prodr. Fl. Nep.* 87 (1825), '*surculosus*'. Benth., *Scroph. Ind.* 27 (1835). *Mazus harmandii* Bonati, ; *Bull. Herb. Boiss. ser. 2,* 8: 533 (1908). **Malati Jhar.** Herb. Common.

**122.15 *Mimulus* L.**

**122.15.1 *M. tenellus*** var. *nepalensis* (Benth.) Tsoong, *Scroph. Ind.* 29. 1835. *Mimulus nepalensis* var. *nepalensis* Benth., *Scroph. Ind.* 29 (1835); *M. nepalensis* var. *procerus* Benth.; *Ann. Missouri B. G.* 11: 207 (1924); *Mimulus assamicus* Griff.; *Linnaea* 12: litt. 199 (1836); *Not.* 4: 99 (1854); *Ic. Pl. As.* 4: t. 458, f. 8-9 (1854); *Mimulus nepalensis* forma *major* H. Winkl.; *Fedde, Repert. Beih.* 12: 480. 1922; *Mimulus tenellus* var. *major* Bunge; in *Hand.-Mazz.*, *Symb. Sin.* 7: 833 (1936). PH. Abundant.

**122.16 *Neopicrorhiza* D.Y.Hong**

**122.16.1 *N. scrophulariiflora*** (Pennell) D.Y. Hong, *Opera Bot.* 75: 56. 1984. *Picrorhiza scrophulariiflora* Pennell, *Acad. Nat. Sci. Philadelphia Monogr.* 5: 65. 1943. Herb. Endangered.

**122.17 *Pedicularis* L.**

**122.17.1 *P. flexuosa*** Hook. f., *Fl. Brit. Ind.* 4: 308 (1884)-Prain in *Ann. Roy. Bot. Gard. Calcut.* 3:143, t. 18 A. B. (1891). PH.

**122.17.2 *P. furfuracea*** Wall. ex Benth, *Scroph. Ind.* 54 (1835)-*Fl. Brit. Ind.* 4: 316 (1884)-Prain, *I.c.* 147, t. 16 (1891)-Tsoong, *I.c.* 143, t. 28 1-3 (1963). PH.

**122.17.3 *P. gracilis*** var. *macrocarpa* (Prain) Husain & Garg comb. nov. *P. gracilis* Wall. ex Benth.; *P. gracilis* var. *macrocarpa* Prain in *Ann. Royal Bot. Gard. Calcutta* 3: 138. t. 21 A, C. 1890.

**122.17.4 *P. megalantha*** D. Don, *Prodr. Fl. Nepal.* 94. 1825. AH.

**122.17.5 *P. mollis*** Wall. ex Benth., *Scroph. Ind.* 53 (1835). AH.

**122.17.6 *P. pantlingii*** Prain, *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist.* 58(2): 273. 1889 ssp. *pantlingii*. *Pedicularis furfuracea* Wallich var. *integrifolia* J. D. Hooker. PH.

**122.17.7 *P. pectinata*** Wall. ex Benth., *Scroph. Ind.* 52 (1835). AH or PH.

**122.17.8 *P. purpurea*** Pennell, *Acad. Nat. Sci. Philadelphia Monogr.* 5: 125. 1943. PH.

**122.17.9 *P. pyramidata*** Royle ex Benth. *Scroph. Ind.* 52. 1835 (Unresolved). **Pyramid Louisewort.** PH.

**122.17.10 *P. roylei*** Maxim., *Bull. Acad. Sci. St.-Pet.* 27: 517 (1881). *P. roylei* ssp. *roylei*, ssp. *megalantha* Tsoong, *Fl. Reip. Pop. Sin.* 68: 402 (addenda) & 159 (1963). PH.

**122.17.11 *P. sikkimensis*** Bonati *Rec. Bot. Surv. India* 4: 401 1913 (Unresolved). Herb.

- 122.17.12** *P. siphonantha* D. Don, Prodr. Fl. Nep. 95 (1825). **Cheelomotee swa**. PH.
- 122.18** *Scoparia* L.
- 122.18.1** *S. dulcis* L., Sp. Pl. 1: 116. 1753. **Baghejhaar, Chini jhar, Patal mishree**. Herb or suffrutescent subshrub.
- 122.19** *Scrophularia* L.
- 122.19.1** *S. elatior* Wall. ex Benth., Scroph. Ind. 18 (1835); in DC., Prodr. 10: 304. 1846. *Scrophularia petitmenginii* Bonati. AH.
- 122.19.2** *S. urticifolia* Wall. ex Benth., Scroph. Ind. 18 (1835), '*urticaefolia*'; in DC., Prodr. 10: 306 (1846). *Scrophularia forrestii* Diels. **Mokhi ghans**. AH. Less common.
- 122.20** *Torenia* L.
- 122.20.1** *T. asiatica* L., Sp. Pl. 2: 619. 1753. *Torenia glabra* Osbeck. AH.
- 122.20.2** *T. cordifolia* Roxburgh, Pl. Coromandel 2: 52. 1798. AH.
- 122.20.3** *T. diffusa* D. Don, Prodr. Fl. Nepal. 86. 1825 (Unresolved). *Torenia hirtella* Hook.f., Fl. Brit. India 4: 277. 1884 p.p. *T. vagans* Roxb., Fl. Ind. 2: 96. 1824; Hook. f., Fl. Brit. India 4: 277. 1884. Herb.
- 122.20.4** *T. thouarsii* (Cham. & Schltdl.) Kuntze, Revis. Gen. Pl. 2: 468. 1891. *Nortenia thouarsii* Cham. & Schltdl. *Torenia parviflora*, *T. ramosissima*. **Small Wishbone Flower**. Herb.
- 122.20.5** *T. violacea* (Azaola ex Blanco) Pennell; J. Arn. Arb. 24: 255 (1943). *Mimulus violaceus* Azaola ex Blanco, Fl. Filip., ed. 2, 357. 1845; *Torenia peduncularis* Benth. ex Hook. f., ; Fl. Br. Ind. 4: 276 (1884). Herb. Abundant.
- 122.21** *Veronica* L.
- 122.21.1** *V. javanica* Blume, Bijdr. 742. 1826. *Veronica murorum* Maximowicz. AH. Abundant.
- 122.21.2** *V. serpyllifolia* L., Sp. Pl. 1: 12. 1753. *Veronica humifusa* Dickson; *V. serpyllifolia* subsp. *humifusa* (Dickson) Syme; *V. serpyllifolia* var. *humifusa* (Dickson) Vahl. PH.
- 123. SIMAROUBACEAE** DC., Nouv. Bull. Sci. Soc. Philom. Paris 2: 209. Jan 1811, nom. cons. (Quassia or Tree-of-heaven family). Genus: 3; Species: 3
- 123.1** *Ailanthus* Desf.
- 123.1.1** *A. excelsa* Roxb., Pl. Corom. 1: 24, t. 23. 1795. DC. Prodr. 2. 89. 1825; Bennett in Hook. f., l.c. **Maharukh**. Tree. Common.
- 123.1.2** *A. integrifolia* ssp. *calycina* (Pierre) Noot. in Fl. Males. 6: 218. 1962. *Ailanthus calycina* Pierre; *A. grandis* Prain, Indian Forester 28: 131. 1902. *A. glandulosa* Desf. **Gokul**. Tree. Common.
- 123.2** *Brucea* J.F. Mill.
- 123.2.1** *B. mollis* Wall. ex Kurz; J. As. S. Beng. 42(2): 64. 1873; Gamble 1878. *Brucea acuminata* H. L. Li; *B. mollis* var. *tonkinensis* Lecomte; *B. luzoniensis* Vidal; *B. membranacea* Merr.; *B. macrobotrys* Merr.; *B. stenophylla* Merr. Shrub or small tree. Not common.
- 123.3** *Picrasma* Blume
- 123.3.1** *P. javanica* Blume, Bijdr. 248. 1825; Gamble 1878 (Unresolved). *Zanthoxylum javanicum* Walp. **Tuugjir-kung**. Tree.
- 124. SOLANACEAE** Juss., Gen. Pl.: 124. 4 Aug 1789, nom. cons. (the Nightshade Family). Genus: 12; Species: 27
- 124.1** *Browallia* L.
- 124.1.1** *B. americana* L., Sp. Pl. 1: 631 1753. *Browallia elata* L. Syst. Nat. ed. 10. 2: 1118 1759. **Bush violet, Browallia, Amethyst Flower**. AH.
- 124.2** *Brugmansia* Pers.
- 124.2.1** *B. suaveolens* (Humb. & Bonpl. ex Willd.) Berchtold & C. Presl. Prir. Rostlin 45. 1820. *Datura suaveolens* Humb. & Bonpl. ex Willd. Enum. Pl. 227. 1809; *D. suaveolens* ssp. *suaveolens* Humb. & Bonpl. ex Willd.; Enum. Pl. H. Berol. 227 (1809); ssp. *macrodon* (Wall. ex Nees) Deb. **Angel's Trumpet; Dhature phool**. Shrub or small tree. Sparse.
- 124.3** *Brunfelsia* L.
- 124.3.1** *B. americana* L., Sp. Pl. 1: 191. 1753. *Brunfelsia undulata* (misapplied). **Lady of the Night**. Shrub.
- 124.4** *Cestrum* L.
- 124.4.1** *C. aurantiacum* Lindl., B. Reg. 30: 71 (1844); 31: t. 22 (1845). Straggling shrub. Abundant.
- 124.4.2** *C. elegans* (Brongniart ex Neumann.) Schlechtendal, Linnaea. 19: 261. 1847. *Habrothamnus elegans* Brongniart in Neumann, Ann. Fl. Pomone 118. 1844. **Rukh hasna**. Shrub. Common.
- 124.4.3** *C. fasciculatum* (Schltdl.) Miers. London J. Bot. 5:151. 1846. *Habrothamnus fasciculatus* (Schltdl.) Endl., Meyenia fasciculata Schltdl.). **Red cestrum, Early jessamine, Early Flowering Jessamine**. Shrub.
- 124.4.4** *C. nocturnum* L., Sp. Pl. 1: 191 (1753). **Night Queen, Hasnu-Hana, Hasna**. Shrub.
- 124.5** *Datura* L.
- 124.5.1** *D. stramonium* L., ; Sp. Pl. 1: 179 (1753). *Datura stramonium* var. *tatula* (Linnaeus) Torrey; *D. tatula* Linnaeus. **Jimson weed; Dhature, Kalo-Dhutra; Seto dhature**. Herb or subshrub.
- 124.6** *Lycianthes* (Dunal) Hassl.
- 124.6.1** *L. biflora* (Loureiro) Bitter, Abh. Naturwiss. Vereine Bremen. 24: 461. 1920. Shrub or subshrub.
- 124.7** *Mandragora* L.
- 124.7.1** *M. caulescens* C.B. Clarke, Fl. Brit. India 4(10): 242. 1883. *Anisodus caulescens* (C. B. Clarke) Diels. PH.
- 124.8** *Nicandra* Adans.
- 124.8.1** *N. physalodes* (L.) Gaertn.; Fruct. Sem. Pl. 2: 237, t. 131, f. 2. 1791. *Atropa physalodes* Linnaeus, Sp. Pl. 1: 181. 1753. AH.
- 124.9** *Physalis* L.
- 124.9.1** *P. angulata* L., Sp. Pl. 183. 1753 var. *angulata*. *P. parviflora* R. Br. Prodr. 447. 1810. *P. villosa* Roth, Nov. Pl. Sp.: 122. 1821, nom. illeg., non Mill. (1768). *P. minima* Sp. Pl. 1: 183-184. 1753. **Wild gooseberry**. AH. Common.
- 124.9.2** *P. divaricata* D. Don. , Prodr. Fl. Nep. 97. 1825. *Physalis indica* var. *microcarpa* Nees., Linnaea. 6:477. 1831. *Physalis minima* auctt. non L.; Roxb., Fl.

Ind. (Car. ed.). 2, 1:563. 1832. Clarke, l.c. 238 (including var. *indica* Roem. & Schultes); Jafri, l.c. 298. **Patpate**. AH.

**124.9.3** *P. peruviana* L., Sp. Pl. ed. 2, 1670 (1763). **Rasbharee, Jungali mewa Tipariya**. Small shrub or herb.

**124.10** *Solanum* L.

**124.10.1** *S. americanum* Mill. Gard. Dict. (ed. 8) no. 5. 1768. *Solanum nigrum* L. Sp. Pl. 1: 186. 1753. **Black nightshade; Khursanejhar, Unagali bihee, Kaalo Bihin Gurki begun, Gurkamari**. US.

**124.10.2** *S. anguivi* Lam. Tabl. Encycl. 2: 23. 1794. *Solanum indicum* L. Sp. Pl. 1: 187. 1753. US.

**124.10.3** *S. capsicoides* All. Mélanges Philos. Math. Soc. Roy. Turin 5: 64. 1773. *Solanum khasianum* C.B. Clarke, Fl. Brit. India 4(10): 234; *Solanum bodinieri* H. Léveillé & Vaniot; *S. ciliatum* Lamarck. **Kanre Bee**. Herb or subshrub.

**124.10.4** *S. erianthum* D. Don, Prodr. Fl. Nepal. 96. 1825. Shrub or small tree. Common.

**124.10.5** *S. laxum* Spreng. Syst. Veg. 1: 682. 1825. *Solanum jasminoides* Paxton, Mag. B. 8: t. 5 (1841). **Potato creeper; Alu phoole**. SC. Common.

**124.10.6** *S. mauritianum* Scop., Delic. Fl. F. Insubr. 3: 16, t. 8 (1788). **Bug weed, Wild tobacco**. Shrub or small tree.

**124.10.7** *S. mirikense* C.R. Mukhop. J. Ind. Bot. Soc. 72(1-2): 185 (1993) 1993 (Unsolved). Shrub.

**124.10.8** *S. myriacanthum* Dunal, Hist. Solan. 218, t. 19 (1813); in DC., Prodr. 13(1): 243 (1852). *Solanum khasianum* C. B. Clarke, ; Fl. Br. Ind. 4: 234 (1883). **Beek ara**. PS.

**124.10.9** *S. torvum* Sw., Prodr. 47. 1788. **Ban-bihi; Seto bihee**. Shrub. Common.

**124.10.10** *S. viarum* Dunal in A. de Candolle, Prodr. 13(1): 240. 1852. *Solanum khasianum* C. B. Clarke var. *chatterjeeanum* Sen Gupta. Herb or subshrub.

**124.10.11** *S. wendlandii* Hook. f., B. Mag. 113: t. 6914. 1887. **Potato Vine, Blue Potato vine, Giant Potato creeper, Costa Rica nightshade, Paradise flower**. Climber.

**124.11** *Streptosolen* Miers

**124.11.1** *S. jamesonii* (Benth.) Miers. Ann. Mag. Nat. Hist., ser. 2. 5: 209. 1850. *Browallia jamesonii* Benth. Prodr. 10: 197. 1846. **Fire bush, Marmalade bush, Orange Browallia**. Shrub.

**124.12** *Withania* Pauquy, 1825

**124.12.1** *W. somnifera* (L.) Dunal Prodr. 13(1): 453. 1852. **Ashwa gandha**. Herb.

**125. STACHYURACEAE** J. Agardh, Theoria Syst. Pl.: 152. Apr–Sep 1858, nom. cons. (Stachyurus family). Genus: 1; Species: 1

**125.1** *Stachyurus* Siebold & Zucc.

**125.1.1** *S. himalaicus* J. D. Hooker & Thomson ex Benth, J. Linn. Soc., Bot. 5: 55. 1861. *Stachyurus rachystachyus* (C. Y. Wu & S. K. Chen) Y. C. Tang & Y. L. Cao; *S. chinensis* subsp. *brachystachyus* (C. Y. Wu & S. K. Chen) Y. C. Tang & Y. L. Cao; *S. chinensis* var. *brachystachyus* C. Y. Wu & S. K. Chen; *S. himalaicus* var. *alatypes* C. Y. Wu ex S. K. Chen; *S. himalaicus* var. *dasyrachis* C. Y. Wu ex S.

K. Chen, p.p.; *S. himalaicus* var. *microphyllus* C. Y. Wu ex S. K. Chen, p.p.; *S. himalaicus* subsp. *purpureus* Y. P. Zhu & Z. Y. Zhang. Shrub or small tree.

**126. STAPHYLEACEAE** Martinov, Tekhno-Bot. Slovar: 598. 3 Aug 1820, nom. cons. (Bladdernut family). Genus: 1; Species: 2

**126.1** *Turpinia* Vent.

**126.1.1** *T. cochinchinensis* (Lour.) Merr. in Tour. Arn. Arb. 19: 43. 1938. *Maurocena cochinchinensis* (Lour.) Kuntze, Revis. Gen. Pl. 1: 150. 1891; *Triceros cochinchinensis* Lour. Fl. Cochinch. 1: 184. 1790; *Turpinia microcarpa* Wight & Arnott; *T. nepalensis* Wall. ex Wight & Arn., Prodr. Fl. Ind. Or. 156. 1834.

**Thali, Murgut-kúng**. Shrub or small tree.

**126.1.2** *T. pomifera* (Roxb.) DC., Prodr. 2: 3. 1825; Gamble 1878. **Nagpat, Singnok-kúng, Thali**. Tree or shrub. Less common.

**127. STYRACACEAE** DC. & Spreng. [transl. Jameson], Elem. Philos. Pl.: 140. Jul 1821, nom. cons. (the Storax Family). Genus: 1; Species: 3

**127.1** *Styrax* L.

**127.1.1** *S. grandiflorus* Griffith, Not. Pl. Asiat. 4: 287. 1854. Shrub or small tree.

**127.1.2** *S. hookeri* C.B. Clarke, Fl. Br. Ind. 3: 589. 1882 (Unresolved).

**127.1.3** *S. serrulatus* Roxb., Fl. Ind. ed. 2, 2: 415. 1832. *Styrax serrulatum* var. *agrestis* C. B. Clarke, Fl. Br. Ind. 3: 589. 1882. **Khanew**

**128. SYMPLOCACEAE** Desf., Mém. Mus. Hist. Nat. 6: 9. 1820, nom. cons. (Sweetleaf Family). Genus: 1; Species: 8

**128.1** *Symplocos* Jacq.

**128.1.1** *S. cochinchinensis* (Lour.) S. Moore, J. B. 52: 148. 1914 var. *laurina* (Retz.) Noot., Leiden Bot. Ser. 1: 156. 1975. *Symplocos loha* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 144. 1825; *S. spicata* Roxb., Fl. Ind., ed. 2: 541-542. 1832. **Jhingani**

**128.1.2** *S. dryophila* C.B. Clarke, Fl. Brit. India 3(9): 578. 1882. *Dicalix delavayi* (Brand) Migo; *D. forrestii* (W. W. Smith) Migo; *D. shunningensis* Migo; *Symplocos delavayi* Brand; *S. forrestii* W.W. Sm.; *S. longipetiolata* Rehder. Tree.

**128.1.3** *S. glomerata* King ex C. B. Clarke; Fl. Br. Ind. 3: 577. 1882. *Dicalix glomeratus* (King ex C. B. Clarke) Migo; *Symplocos wenshanensis* Huang & Y. F. Wu; *S. yizhangensis* Y. F. Wu. **Kharane, Sanuhingo**. Tree. Common.

**128.1.4** *S. hookeri* C.B. Clarke Fl. Brit. India 3: 589. 1882 (Unresolved). Tree.

**128.1.5** *S. lucida* (Thunb.) Sieb & Zucc., Fl. Jap. 1: 55. 1835. *Laurus lucida* Thunberg in Murray, Syst. Veg. ed. 14, 383. 1784; *Symplocos theifolia* D. Don, Prodr. Fl. Nep. 145. 1825. **Ghole, Kharaney**. Tree. Common.

**128.1.6** *S. pyrifolia* Wall. ex G. Don., Gen. Hist. 4: 3. 1837. Shrub or small tree.

**128.1.7** *S. ramosissima* Wall. ex G. Don, Gen. Syst. 4: 3 (1837). *Dicalix myrianthus* (Rehder) Migo;



*Symplocos fasciculata* Zollinger var. *chinensis* Brand; *S. myriantha* Rehder; *S. ramosissima* var. *salwinensis* Handel-Mazzetti; *S. stapfiana* H. Léveillé; *S. stapfiana* var. *leiocalyx* Handel-Mazzetti. Shrub or small tree.

**128.1.8** *S. sumuntia* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 145. 1825. *Bobua austrosinensis* Migo; *Dicalix austrosinensis* (Migo) Migo; *D. botryanthus* (Franchet) Migo; *D. decorus* (Hance) Migo; *D. urceolaris* (Hance) Migo; *D. swinhoeanus* (Hance) Migo; *Symplocos botryantha* Franchet; *S. botryantha* var. *stenophylla* Brand; *S. caerulea* H. Léveillé; *S. caudata* Wallich ex G. Don; *S. caudata* var. *macrantha* Handel-Mazzetti; *S. caudata* var. *macrocalyx* Handel-Mazzetti; *S. cavaleriei* H. Léveillé; *S. decora* Hance; *S. dolichostylosa* Y. F. Wu; *S. fuboensis* M. Y. Fang; *S. leucophylla* Brand; *S. macrostroma* Hayata; *S. ovatibracteata* Y. F. Wu; *S. prunifolia* Siebold & Zuccarini; *S. punctata* Brand; *S. rachitricha* Y. F. Wu; *S. sasakii* Hayata; *S. somai* Hayata; *S. sozanensis* Hayata; *S. subconnata* Handel-Mazzetti; *S. swinhoeana* Hance; *S. urceolaris* Hance. **Bholia, Kharani.** Tree.

**129. TAMARICACEAE** Link, Enum. Hort. Berol. Alt. 1: 291. 16 Mar–30 Jun 1821, nom. cons. (Tamarisk family). Genus: 1; Species: 1

**129.1 Tamarix L.**

**129.1.1** *T. dioica* Roxb. ex Roth, Nov. pl. sp. 185. 1821. **Jhau, Jheuwa.** Shrub or small tree. Uncommon.

**130. TETRAMELACEAE** Airy Shaw, Kew Bull. 18: 267. 8 Dec 1965 (the Tetrameles Family). Genus: 1; Species: 1

**130.1 Tetrameles R.Br.**

**130.1.1** *T. nudiflora* R. Br., Pl. Jav. Rar. 79, pl. 17 1838. **Bhelu, Moina.** Tree. Rare.

**131. THEACEAE** Mirb. ex Ker Gawl., Bot. Reg. 2: ad t. 112. 1 Mai 1816, nom. cons. (the Tea Family). Genus: 5; Species: 13

**131.1 Camellia L.**

**131.1.1** *C. japonica* L., Sp. Pl. 2: 698. 1753. **Common camellia.** Shrub or small tree.

**131.1.2** *C. kissi* Wall., As. Research. 13: 429. 1820; Cat. 27, n. 977. 1829; Pl. As. Rar. 3: t. 256. 1832. **Chiyapate, Hinguwa.** Shrub or small tree. Rare.

**131.1.3** *C. oleifera* Abel, Narr. Journey China 174. 1818. *C. drupifera* Lour., Fl. Cochinch. 411 1790. **Tea-oil camellia; Hingua, Chashing.** Shrub.

**131.1.4** *C. sinensis* (L.) Kuntze, Acta H. Petrop. 10: 195 (1887) in obs.; in Um die Erde 500. 1888. *C. thea* Link, *C. theifera* Griff. (Gamble's list) var. *assamica* (L.) Kuntze, Acta Phyt. Geobot. 15: 59. 1950. **Chiya.** Shrub or small tree.

**131.2 Eurya Thunb.**

**131.2.1** *E. acuminata* DC., Mem. S. Phys. Geneve 1: 418. 1822; Gamble 1878. *E. euprista* Korthals; *E. wallichiana* Steudel; *E. acuminata* var. *wallichiana* (Steudel) Dyer. **Flotungchong-kúng; Sanu Jhingni.** Tree. Common.

**131.2.2** *E. amplexicaulis* S. Moore, J. Bot. 37: 168. 1899. *Eurya auriculata* Elmer, Leaf. Philipp. Bot. 2: 501. 1908. Tree.

**131.2.3** *E. cavinervis* Vesque., Bull. Soc. Bot. France. 42: 158. 1895. *Eurya cavinervis* f. *laevis* Hung T. Chang; *E. fangii* Rehder var. *glaberrima* P. S. Hsu; *E. handeliana* Kobuski. **Jhinguni, Tukeheong.** Shrub or small tree. Common in plains.

**131.2.4** *E. cerasifolia* (D. Don) Kobuski, Ann. Miss. B. G. 25: 326. 1938. *E. symplocina* Blume, Mus. B. Lugd.-Bat. 2: 144. 1856 (Gamble 1878); *E. earasifolia* (D. Don) Vobuski (Chaudhuri 1993). **Bhale jhinu, Bara Jhingni, Flotung-chong-kúng, Kisri.** Tree. Common.

**131.2.5** *E. japonica* Thunb., Nov. Gen. Pl. 68. 1783; Gamble 1878. *Eurya japonica* var. *multiflora*, *E. hortensis*, *E. latifolia*, *E. microphylla*, *E. montana*, *E. pusilla*, *E. uniflora*. **Jhingni, Tungchong-kúng.** Tree. Common.

**131.3 Gordonia J.Ellis**

**131.3.1** *G. dipterosperma* Kurz., J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 45(2): 119. 1876. **Hinguwa, Chau-kúng, Rato munte, seti.** Tree. Common.

**131.3.2** *G. excelsa* (Blume) Blume Bijdr. Fl. Ned. Ind. 3: 130. 1825 (Gamble's list). *Antheischima excelsa* Korth.

**131.4 Schima Reinw. ex Blume (1823)**

**131.4.1** *S. wallichii* (DC.) Korth., Bijdr. Ternstr., in Temminck. Verh. Nat. Ges. B. 143. 1842; Choisy in Zoll., Syst. Verz. Ind. Archipel. Hft. 2: 144. 1854; Dyer in Fl. Br. Ind. 1: 289. 1874; Gamble 1878; Burkill in Rec. B. Surv. Ind. 4: 9. 191; Bloemb. in Reinwardtia 2: 133. 1952; Biswas 1966 (Unresolved). **Chilauni, Aule chilaune, Kungsung-kúng, Puyam, Gogra, Zalashing, Sumbrong-kúng.** Tree. Common.

**131.5 Ternstroemia Mutis ex L.f.**

**131.5.1** *T. gymnanthera* (Wight & Arnott) Beddome, Fl. Sylv. S. India. 91. 1871 (Unresolved). *T. japonica* Thunb. Shrub. Endemic. Rare.

**132. THYMELAEACEAE** Juss., Gen. Pl.: 76. 4 Aug 1789, nom. cons. (the daphne family). Genus: 4; Species: 8

**132.1 Aquilaria Lam.**

**132.1.1** *A. malaccensis* Lam, Encycl. 1(1): 49. 1783. **Agarwood, Eaglewood, Agoor.** Tree.

**132.2 Daphne L.**

**132.2.1** *D. bholua* Buch.-Ham. ex D. Don, Prodr. Fl. Nep. 68 (1825). **Nepalese paper plant; Lokata, Bholu swa, Kagat pate.** Shrub. Frequent.

**132.2.2** *D. bholua* var. *glacialis* (W.W. Sm. & Cave) B.L. Burtt, Bull. Misc. Inform. Kew 1936: 437. 1936. *Daphne cannabina* var. *glacialis* W.W. Sm. & Cave, Rec. Bot. Surv. India 6: 52. 1913. Creeping shrub.

**132.2.3** *D. papyracea* Wall. ex G. Don., Hort. Brit. 156. 1830; Steud., Nom. B. 1: 483. 1840, Gamble 1878; p.p. W. W. Sm. & Cave in Rec. B. Surv. Ind. 6: 54. 1913. *D. cannabina* Lour. ex Wall., As. Research. 13: 385. 1820, quoad descr. p.p., excl. t. Hook. f. in Fl. Br. Ind. 5: 193. 1886, p.p. **Baruwa, Dayshing, Gande, Kagatpate; Kaghuti, Lokote.** Shrub.

**132.2.4 D. sureil** W. W. Sm. & Cave, Rec. B. Surv. Ind. 6(2): 51, f. 2 (1913). **Daphne shillong Banerji**. Shrub. Less common.

**132.3 Edgeworthia Meisn.**

**132.3.1 E. gardneri** (Wall.) Meisn., Denkschr. B. Ges. Regensb. Bot. Ges. 3: 280, t. 6. 1841; Gamble 1878. *Daphne gardneri* Wallich, Asiat. Res. 13: 388. 1820. **Indian papertree; Aryili, Kaghuti**. Shrub. Sparse.

**132.4 Eriosolena Blume**

**132.4.1 E. composita** (L.f.) Tiegh., Bull. Soc. Bot. France 40: 68. 1893. *Daphne involucrata* Wall., *D. longifolia* Meisn. (Gamble's list), *D. wallichii* Meisn. (Gamble's list), *Eriosolena involucrata* (Wall.) Tiegh., *E. longiflora* (Tiegh), *E. wallichii* Meisn., *Scopolia composita* L. f., *Scopolia involucrata* (Wall.) C.A. Mey. **Seti barwal, Chhota Argaule or Aryili, Bimbiri, Shedbarwa**. Shrub. Not common.

**132.4.2 E. involucrata** (Wall.) ined. *Daphne involucrata* Wall. **Chhota Aryili**. Shrub. Common.

**133. ULMACEAE** Mirb., Elém. Physiol. Vég. Bot. 2: 905. 24–30 Jun 1815, nom. cons. (the Elm Family). Genus: 3; Species: 6

**133.1 Celtis L.**

**133.1.1 C. tetrandra** Roxb. (Hort. Beng. 21.1814, nom. nud.) Fl. Ind. 2, 2: 63. 1832. Brandis, For. Fl. of N.W. & C. Ind. 428. 1874; Hook. f., Fl. Brit. Ind. 5: 482. 1888. *Celtis serotina* Planch., Ann. Sci. Nat. ser. 3, 10: 300. 1848; *Celtis trinervia* Roxb., Fl. Ind. ed. 2, 2: 65. 1832 (Gamble's list); *Sponia tetrandra* Voigt, Hort. Suburb. Calcutt. 294. 1845. **Khari, koomsoong-kúng, Sedongtagla**. Tree. Common.

**133.1.2 C. timorensis** Span. Linnaea 15: 343. 1841. *Celtis cinnamomea* Lindl. ex Planch., Ann. Sci. Nat., Bot. III, 10: 303. 1848; Hook. f., Fl. Brit. India 5: 482. 1888. Tree. Common.

**133.2 Trema Lour.**

**133.2.1 T. orientalis** (L.) Blume, Mus. Bot. 2: 62. 1856. *Celtis orientalis* L.; *Celtis orientalis* Lam.; *Sponia orientalis* (L.) Decne.; *S. orientalis* Planch (Gamble's list). **Kooail; Tugla-kúng**. Tree or shrub.

**133.2.2 T. politoria** (Planch.) Blume, Mus. Bot. 2: 58. 1856. Hook. f., Fl. Brit. Ind. 5:484. 1888. *Celtis politoria* Wall., Cat. 129. n. 3693. 1831. nom. Nud. *Sponia politoria* Planch, Ann. Sci. Nat. 10: 326. 1848 (Gamble's list). **Kooail; Tuksat-kúng**. Small tree. Common.

**133.3 Ulmus L.**

**133.3.1 U. lanceifolia** Roxb. ex Wall., Pl. Asiat. Rar. 2: 86, pl. 200. 86. 1831. *Ulmus lanceifolia* Roxb. Hort. Bengal. 86. 1814; Gamble 1878. *Ulmus tonkinensis* Gagnepain. **Elm, Lapi, Pipli**. Tree.

**134. URTICACEAE** Juss., Gen. Pl.: 400. 4 Aug 1789, nom. cons. (the Nettle family). Genus: 17; Species: 51

**134.1 Boehmeria Jacq.**

**134.1.1 B. clidemioides** var. *diffusa* (Wedd.) Hand.-Mazz., Symb. Sin. 7: 152. 1929. *Boehmeria diffusa* Wedd., Arch. Mus. Hist. Nat. 8: 356. 1856. PH.

**134.1.2 B. glomerulifera** Miq., Syst. Verz. 101 1854. *B. malabarica* Wedd. Arch. Mus. Hist. Nat. 8: 355. 1856 (Gamble's list); *Ramium malabaricum* Kuntze; *Urtica malabarica* Wall. Shrub or small tree.

**134.1.3 B. hamiltoniana** Wedd. Ann. Sci. Nat., Bot. 4, 1: 199. 1854; Gamble 1878. *Boehmeria platyphylla* var. *hamiltoniana* (Wedd.) Wedd. Prodr. 16(1): 213. 1869. **Taksur**. Shrub.

**134.1.4 B. macrophylla** Hornem, Hort. Bot. Hafn. 2: 890 1815. *B. platyphylla* D. Don. Prodr. Fl. Nepal. 60 1825; Gamble 1878; Hook.f., Fl. Brit. Ind. 5:578.1885; *Boehmeria macrostachya*, *B. platyphylla* var. *austroqueenslandica*, *Splitgerbera macrostachya*. **Dangnoiooketek, Hathi sisnu; Kamli, Pua**. Shrub. Common.

**134.1.5 B. macrophylla** var. *rotundifolia* (D. Don) W.T. Wang in Fl. Reipubl. Popul. Sin. 23(2): 337 1995; Gamble 1878. *B. platyphylla* var. *rotundifolia*, *B. rotundifolia* D. Don. Prodr. Fl. Nepal. 60 1825.

**134.1.6 B. penduliflora** Weddell ex D. G. Long, Notes Roy. Bot. Gard. Edinburgh. 40: 130. 1982. *Boehmeria macrophylla* D. Don, Prodr. Fl. Nepal. 60. 1825, not Hornemann (1815), nor (Thunberg) Siebold & Zuccarini (1846). Shrub. Less common.

**134.1.7 B. platyphylla** var. *platyphylla* D. Don, Prodr. Fl. Nep. 60 (1825); *B. platyphylla* var. *canescens* Wedd., in DC., Prodr. 16(1): 213 (1869), excl. syn. *B. ternifolia*. H. Hara in Fl. E. Him. 3: 18 (1975). Shrub. Common.

**134.1.8 B. polystachya** Wedd. Ann. Sci. Nat., Bot. 4, 1: 200. 1854. *Ramium polystachyum* Kuntze; *Urtica polystachya* Wall. **Phsre kamli; Taksur**. Herb or shrub.

**134.1.9 B. regulosa** Wedd. Ann. Sci. Nat., Bot. 4, 1: 200. 1854; Gamble 1878. *Ramium rugulosum* (Wedd.) Kuntze. Revis. Gen. Pl. 2: 633 1891; *Urtica rugosula* Wall. Numer. List 4597. 1831. **Dar, Dongtsong, Githa, Sedeng**. Tree. Less common.

**134.2 Chamabainia Wight**

**134.2.1 C. cuspidata** Wight, Ic. Pl. Ind. Or. 6: 11, t. 1981. 1853. *Boehmeria squamigera* Weddell; *Chamabainia cuspidata* var. *denticulosa* W. T. Wang & C. J. Chen; *C. cuspidata* var. *morii* (Hayata) W. T. Wang; *C. morii* Hayata; *C. squamigera* Weddell. **Pamle**. Herb. Common.

**134.3 Debregeasia Gaudich**

**134.3.1 D. longifolia** (Burm. f.) Wedd. in DC., Prodr. 16(1): 235. 1869; Gamble 1878. *Urtica longifolia* N. L. Burman, Fl. Indica, 197 ["297"]. 1768; *Conocephalus niveus* Wight; *Debregeasia dichotoma* (Blume) Weddell; *D. libera* Chien & C. J. Chen; *D. velutina* Gaudichaud-Beaupré; *Morocarpus dichotomus* (Blume) Blume; *M. longifolius* (N. L. Burman) Blume; *M. velutinus* Blume; *Urtica angustata* Blume; *U. dichotoma* Blume. **Tushiari, Kamhyem-kúng**. Shrub or small tree. Less common.

**134.3.2 D. saeneb** (Forssk.) Hepper & J.R.I.Wood. Kew Bull. 38: 86. 1983. *Rhus saeneb* Forsskål, Fl. Aegypt.-Arab. 206. 1775; *Debregeasia salicifolia* (D. Don) Rendle, in Prain, Fl. Trop. Afr. 6(2): 295 (1917); *Morocarpus salicifolia* (D. Don) Blume; Mus. B.

Lugd.-Bat. 2: 157 (1856). **Tusare**. Shrub or small tree.

**134.3.3 D. wallichiana** (Wedd.) Wedd., Monogr. Urtic. 464, t. 14. 1857. *Missiessya wallichiana* Weddell, Ann. Sci. Nat., Bot., sér. 4: 195. 1854; *Debregeasia ceylanica* J. D. Hooker; *D. leucophylla* Weddell; *Morocarpus ceylanicus* (J. D. Hooker) Kuntze; *M. wallichianus* (Weddell) Blume. Shrub or small tree.

**134.4 Dendrocnide** Miq.

**134.4.1 D. sinuata** (Blume) Chew, Gard. Bull. Singapore. 21: 206. 1965. *Urtica sinuata* Blume, Bijdr. Fl. Ned. Ind. 505. 1826; *Laportea crenulata* Gaudich. Voy. Bonite, Bot. 498. 1826 (Gamble's list). **Morangay, Moringi, Sunkrong**. Shrub or small tree. Less common.

**134.5 Elatostema** J. R. et G. Forst.

**134.5.1 E. cuneatum** Wight, Icon. Pl. Ind. Orient. 6: 35, t. 2091, f. 3. 1853; Hook. f. Fl. Brit. Ind. 5: 568. 1888. *Elatostema approximatum* Weddell; *E. densiflorum* Franchet & Savatier; *E. nipponicum* Makino. AH.

**134.5.2 E. dissectum** Wedd., Monogr. Urtic. 314. 1856. *Elatostema parangungshanense* W. T. Wang. PH.

**134.5.3 E. hookerianum** Wedd., Monogr. Urt. 309. 1856. *Elatostema subfalcatum* W. T. Wang. AH. Common.

**134.5.4 E. lineolatum** Wight, Icon. Pl. Ind. Orient. 6: t. 1984. 1853. *Elatostema lineolatum* var. *major* Thwaites, Enum. Pl. Zeyl. 259. 1861. Subshrub.

**134.5.5 E. monandrum** (Buch.-Ham. ex D. Don) H. Hara, Fl. E. Him. 3: 21 (1975), cum formae. H. Hara in H. Hara et al., Enum. Flow. Pl. Nep. 3: 203 (1982). *Procris monandra* D. Don, Prodr. Fl. Nepal. 61. 1825; *Elatostema diversifolium* Weddell; *E. monandrum* f. *ciliatum* (J. D. Hooker) Hara; *E. monandrum* f. *pinnatifidum* (J. D. Hooker) Hara; *E. monandrum* var. *ciliatum* (J. D. Hooker) Murti; *E. monandrum* var. *pinnatifidum* (J. D. Hooker) Murti; *E. muscicola* W. T. Wang; *E. surculosum* Wight; *E. surculosum* var. *ciliatum* J. D. Hooker; *E. surculosum* var. *elegans* J. D. Hooker; *E. surculosum* var. *pinnatifidum* J. D. Hooker; Pellioniamairei H. Léveillé. AH.

**134.5.6 E. obtusum** Wedd., Monogr. Urtic. 324. 1856. **Gogleto**. PH.

**134.5.7 E. parvum** (Blume) Blume ex Miq. Syst. Verz. 102. 1855. *Elatostema reptans* Hook. f. Fl. Brit. India 5: 567. 1888; *Procris parva* Blume, Bijdr. Fl. Ned. Ind. 10: 512. 1825. **Gagleto**. PH. Common.

**134.5.8 E. platyphyllum** Wedd. Arch. Mus. Hist. Nat. 9: 301. 1856. *Elatostema platyphyloides* B.L. Shih & Yuen P. Yang; *Elatostema platyphyllum* var. *polycephalum* H. Hara. Subshrub.

**134.5.9 E. rupestre** (Buch.-Ham. ex D. Don) Wedd., Monogr. Urtic. 304. 1856. *Procris rupestris* Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 60. 1825. PH.

**134.5.10 E. sessile** J. R. & G. Forst., Char. Gen. Pl. Austr. 106. 1776; Hook. f., Fl. Brit. India 5: 563. 1888. *E. sessile* var. *polycephalum* Wedd., Monogr. Urtic. 295 (1856), '*polycephala*'. Hook. f. in Fl. Br.

Ind. 5: 564 (1888). **Ledem (Ch) Gagleto**. AH. Common.

**134.5.11 E. sikkimense** C.B. Clarke · J. Linn. Soc., Bot. 15: 124. 1876 [1877]. AH. Endemic. Less common.

**134.6 Girardinia** Gaudich

**134.6.1 G. diversifolia** (Link) Friis, Kew Bull. 36: 143. 1981. *Girardinia armata* Kunth, Ann. Sci. Nat. ser. 3, 7: 184. 1847; nom. illeg.; *G. heterophylla* Decne. in Jacquem., Voy. 4 (Bot.): 151, t. 153. 1835, excl. basionym. Hook. f. in Fl. Br. Ind. 5: 550. 1888; *G. palmata* (Forssk.) Gaudich. in Freyc., Voy. Bot. 498. 1826; *Urtica diversifolia* Link. **Himalayan nettle; Bichnu ghas, Allo, Allo sisnu, Ullo, Kasu, Bhangre sisnu**. AH or PH. Common.

**134.7 Gonostegia** Turcz.

**134.7.1 G. hirta** (Blume ex Hassk.) Miq. Ann. Mus. Bot. Lugduno-Batavi 4: 303. 1869. *Memoralis hirta* (Blume ex Hassk.) Wedd.; *Pouzolzia hirta* (Blume) Blume ex Hassk.; *Urtica hirta* Blume. Asia, Australia. Darjeeling (Basnet 2005). *Urtica hirta* Blume, Bijdr. Fl. Ned. Ind. 495. 1826; *Driessenia sinensis* H. Léveillé; *Memoralis hirta* (Blume) Weddell; *Pouzolzia hirta* (Blume) Hasskarl. **Chiple**. Herb or subshrub. Frequent.

**134.8 Laportea** Gaudichaud Beaupré.

**134.8.1 L. bulbifera** (Siebold & Zucc.) Wedd. Arch. Mus. Hist. Nat. 9: 139. 1856. *Urtica bulbifera* Siebold & Zucc. Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(3): 214. 1846; *Laportea terminalis* Darjeeling. Wight, Ic. Pl. Or. 6: 9, t. 1972. 1853. **Patle sisnu**. Shrub. Frequent.

**134.9 Lecanthus** Wedd. 1854

**134.9.1 L. crispa** L. (Not in Kew list)(Vardhana 2006).

**134.9.2 L. peduncularis** (Wall. ex Royle) Weddell in Candolle, Prodr. 16(1): 164. 1869. *Procris peduncularis* Royle, Ill. Bot. Himal. Mts. t. 83. 1839. PH.

**134.10 Maoutia** Wedd.

**134.10.1 M. puya** (Hook.) Wedd. Ann. Sci. Nat., Bot., sér. 4, 1: 194. 1854; Gamble 1878. *Boehmeria puya* Hook. Hooker's J. Bot. Kew Gard. Misc. 3: 316 1851; *Leucosyke puya* (Hook.) den Baaker & Mabb. Plant-book ed. 3: 1021 2008; *Urtica puya* Buch.-Ham. & Wall. ex Hook. London J. Bot. 3: 316. 1851. **Puya, Kyinki**. Shrub.

**134.11 Oreocnide** Miq. 1851

**134.11.1 O. frutescens** (Thunb.) Miq., Ann. Mus. B. Lugd.-Bat. 3: 131. 1867. *Boehmeria frutescens* (Thunb.) Thunb., D. Don, Prodr. Fl. Nep. 59. 1825; *Urtica frutescens* Thunb. Fl. Jap. 70. 1784; *Villebrunea frutescens* (Thunb.) Blume, Mus. B. Lugd.-Bat. 2: 168. 1856 (Gamble's list). **Kirma; Takbret-kúng**. Shrub or small tree.

**134.11.2 O. integrifolia** (Gaudich.) Miq., Ann. Mus. B. Lugd.-Bat. 4: 306. 1869. *Oreocnide acuminata* (Roxb.) Kurz, For. Fl. Burma 2: 427. 1877; *Urtica acuminata* Roxb., ; Fl. Ind. ed. 2, 592. 1832; non Poir. (1816); *Villebrunea appendiculata* Wedd. in DC., Prodr. 16(1): 235. 1869; *V. integrifolia* Gaudich. (Gamble's list). **Lipic, Kaphitki**. Shrub or small tree.

**134.12 *Pilea* Lindl., 1821**

**134.12.1 *P. anisophylla*** (Hook.f.) Wedd., Monogr. Urtic. 193. 1856. *Pilea anisophylla* var. *robusta* J. D. Hooker; *P. secunda* Chien. PH.

**134.12.2 *P. approximata*** C.B. Clarke, J. Linn. S. B. 15: 123. 1876. PH.

**134.12.3 *P. bracteosa*** Weddell, Monogr. Urtic. 245. 1856. *Pilea bracteosa* var. *striolata* Handel-Mazzetti; *P. obliqua* Hook. f., Fl. Brit. India 5(15): 558. 1888. PH. Common.

**134.12.4 *P. cordifolia*** Hook.f., Fl. Brit. India. 5(15): 558. 1888. **Gaglato**. PH. Endemic. Less common.

**134.12.5 *P. glaberrima*** (Blume) Blume, Mus. Bot. 2(4): 54. 1856. *Pilea smilacifolia* Wedd. Ann. Sci. Nat., Bot., sér. 41: 186. 1854.; *Urtica glaberrima* Blume, Bijdr. Fl. Ned. Ind. 493. 1826. PH. Less common.

**134.12.6 *P. microphylla*** (L.) Liebm., Vidensk. Selsk. Skr. 5 (2):302. 1851. Hook.f., Fl. Brit. Ind. 5: 551. 1885. *Parietaria microphylla* Linn., Syst.ed. 10. 1308. 1758. *Pilea muscosa* Lindl., Collect. Bot. t.4. 1821.

**Gun-powder or Artillery Plant. AH.**

**134.12.7 *P. picta*** Herzog, Meded. Rijks-Herb. 27: 76. 1915. *Pilea macrophylla* Rusby, Descr. S. Amer. Pl. 10. 1920. herb.

**134.12.8 *P. scripta*** (Buch.-Ham. ex D. Don.) Weddell in Ann. Sci.Nat.ser. 4:187. 1854. Monogr. Urtic. 22. 1856; in DC., Prodr. 16 (1): 127. 1856; Hook.f., Fl.Brit.Ind. 5:556. 1888. *Urtica scripta* Buch.-Ham. ex D. Don, Prodr. Fl. Nepal. 59. 1825. **Seto Gaglato**. PH. Common.

**134.12.9 *P. symmeria*** Wedd., Arch. Mus. Hist. Nat. 9(1-2): 246. 1856. *Pilea symmeria* f. *stenobasis* Hand.-Mazz. AH. Abundant.

**134.12.10 *P. ternifolia*** Wedd, Arch. Mus. Hist. Nat. 9(1-2): 202. 1856; Basu 2002. PH. Endemic. Less common.

**134.12.11 *P. umbrosa*** Blume, Mus. B. Lugd.-Bat. 2: 56 1856; Wedd., Monogr. Urtic. 243. 1856. Hook. f. in Fl. Br. Ind. 5: 556. 1888; Banerji in Rec. B. Surv. Ind. 19(2): 84. 1966. Das et al. 2008. *Pilea producta* Blume, Mus. B. Lugd.-Bat. 2: 56 (1856). *Urtica umbrosa* Wallich, Cat.No. 4589. 1831. nom. nud. Herb. Common.

**134.13 *Poikilospermum* Zipp. ex Miq.**

**134.13.1 *P. suaveolens*** (Blume) Merrill, Contr. Arnold Arbor. 8: 47. 1934. *Conocephalus suaveolens* Blume, Bijdr. Fl. Ned. Ind. 484. 1825 (Gamble's list). **Gulsuné**. Big climber.

**134.14 *Pouzolzia* Gaudich. 1830**

**134.14.1 *P. hirta*** Blume ex Hassk., Cat. Hort. Bog.Alt. 80. 1844. Hook.f., l.c.586. **Urtica hirta** Bl. **Chiple**. US.

**134.14.2 *P. sanguinea*** (Blume) Merrill, J. Straits Branch Roy. Asiat. Soc. 84 (Spec. No.): 233. 1921. *Urtica sanguinea* Blume. Bijdr. Fl. Ned. Ind. 501. 1826. **Chhota kooail**; **Chiple**, **Kyingbi**. Shrub. Less common.

**134.14.3 *P. sanguinea*** (Blume) Merrill. var. *nepalensis* (Wedd.) Hara. Syn of *Pouzolzia sanguinea* (Blume) Merrill var. *sanguinea*. Shrub. Frequent.

**134.14.4 *P. viminea*** Wedd., Prodr. 16(1): 228. 1869 (Unresolved); Gamble's list 1878. *Boehmeria viminea* Blume. **Chhota kúail**, **Kyinghi**. Large shrub or small tree.

**134.14.5 *P. zeylanica*** (L.) Benn., Pl. Jav. Rar. 67. 1854. *Parietaria indica* L., Mant. Pl. 1: 128. 176.; *Pouzolzia indica* (L.) Gaudich. in Freycinet, Voy. 503. 1830, nom. non rite publ. Wedd., Monogr. Urtic. 388. 1856. **Chiple jhar**. PH. Abundant.

**134.15 *Procris* Comm. ex Juss.**

**134.15.1 *P. crenata*** C.B. Rob., Philipp. J. Sci., C. 5: 507. 1911. *Elatostema gagnepainianum* H.Schroet.; *Pellionia procropioides* Gagnep.; *Procris laevigata* Miq.; *Procris rhizantha* Gagnep.; *Procris wightiana* Wall. ex Wedd. PH or subshrub.

**134.16 *Sarcochlamys* Gaudichaud-Beaupré**

**134.16.1 *S. pulcherrima*** Gaudichaud-Beaupré, Voy. Bonite, Bot., pl. 89. 1829. *Sphaerotylos medogensis* C. J. Chen; *Urtica pulcherrima* Roxburgh (1832). Large shrub or small tree. Rare.

**134.17 *Urtica* L.**

**134.17.1 *U. ardens*** Link., Enum. H. Berol. 385. 1822. Hara in Fl. East Himal. 3rd. Rep. 28. 1975. **Sisnu**. Shrub. Frequent.

**134.17.2 *U. dioica*** L., Sp. Pl. 984. 1753; Mandal et al. 2009a. **Sisnu**. Shrub. Frequent.

**134.17.3 *U. parviflora*** Roxb, Fl. Ind., ed. 3: 581-582. 1832. **Sisnu**. Herb. Sparse.

**135. VALERIANACEAE** Batsch. Tab. Affin. Regni Veg. 227. 1802 (Valerian family). Genus: 1; Species: 1

**135.1 *Nardostachys* Candolle**

**135.1.1 *N. jatamansi*** (D. Don) DC., Prodr. 4: 624. 1830. *Patrinia jatamansi* D. Don, Prodr. Fl. Nepal. 159. 1825; *Nardostachys chinensis* Batalin; *N. grandiflora* Candolle, *Valeriana wallichii* DC. **Jatamansi**, **Muskroot**, **Jatamashi**, **Balchar**, **Sugandra Bal**. PH. Critically Endangered.

**136. VERBENACEAE** J. St.-Hil., Expos. Fam. Nat. 1: 245. Feb-Apr 1805, nom. cons.; C.B. Clarke in Hook. f., Fl. Brit. India 4: 560. 1885. (the Verbena Family). Genus: 10; Species: 27

**136.1 *Callicarpa* L.**

**136.1.1 *C. arborea*** Roxb., Fl. Ind. 1: 405. 1820; ed. 2, 1: 390. 1832. **Bori**, **Bormala**, **Guenlo**, **Guyelo**, **Guren**, **Maaraa**. Tree. Common.

**136.1.2 *C. macrophylla*** Vahl, Symb. 3:13, t.53. 1794. C.B. Clarke in Hook. f., Fl. Brit. India 4 : 568. 1885; *C. incana* Roxb., Fl. Ind. 1:393. 1824. **Big leaf beauty berry**. **Dhaichamla**, **Sumali**. Shrub.

**136.1.3 *C. rubella*** Lindley, Bot. Reg. 11: t. 883. 1825. C.B. Clarke in Hook. f., Fl. Brit. India 4 : 569. 1885. Shrub or US.

**136.1.4 *C. vestita*** Wall. ex C. B. Clarke; Fl. Br. Ind. 4: 567. 1885. *Callicarpa hookeri* C.B. Clarke; *Callicarpa lanata* Gamble. **Bakam**. Tree. Sparse.

**136.2 *Clerodendrum* L.**

**136.2.1 *C. bracteatum*** Wall. ex Walpers, Repert. Bot. Syst. 4: 106. 1845; C.B. Clarke in Hook. f., Fl. Brit. India 4 : 593. 1885. **Chitu**, **Kaomnyok**. Shrub.

**136.2.2 C. glandulosum** Lindl. Edwards's Bot. Reg. 30: t. 19. 1844. *Clerodendron colebrookianum* Walp., Repert. 4: 114. 1846, 'colebrookianum'; C.B. Clarke in Hook. f., Fl. Brit. India 4 : 594. 1885. **Banker, Kaombi**. Shrub or small tree.

**136.2.3 C. indicum** (L.) Kuntze, Revis. Gen. Pl. 2: 506. 1891. *Siphonanthus indica* L., Sp. Pl. 1: 109. 1753; *Clerodendrum siphonanthus* R.Br. in Ait. F., Hort. Kew 4: 65. 1812; C.B. Clarke in Hook. f., Fl. Brit. India 4 : 595. 1885. Shrub. Abundant.

**136.2.4 C. infortunatum** L., Sp. Pl. 2: 637. 1753. *Clerodendron infortunatum* Gearth. (Unresolved); *Clerodendrum calycinum* Turcz. Bull. Soc. Imp. Naturalistes Moscou 36(2): 222. 1863; *C. viscosum* Vantemat. Jard. Malm. 1: 25. 1803; *C. pubescens* Wall. ex Walp. 1843; *Volkameria infortunata* Roxb. **Hill glory bower, Saraswaty's leaf, sticky glorybower; Bhand, Chitu, Kambaldum**. Shrub. Common.

**136.2.5 C. japonicum** (Thunb.) Sweet, Hort. Brit., ed. 1. 322. 1826. *Volkameria japonica* Thunberg, Nova Acta Regiae Soc. Sci. Upsal. 3: 203. 1780; *Volkameria kaempferi* Jacq., Collectanea 3 : 207. 1789 & Icon. Pl. Rar. 3 : t. 500. 1793; *C. squamatum* Vahl, Symb. Bot. 2: 74. 1791; *Volkameria dentata* Roxb., Fl. Ind. 3 : 61. 1832. **Dhago phool, Kombalhir**. Small shrub. Abundant.

**136.2.6 C. wallichii** Merr., J. Arn. Arb. 33: 220. 1952. *Clerodendrum nutans* Wall. ex D. Don; Prodr. Fl. Nep. 103 (1825); non Jack (1820); C.B. Clarke in Hook. f., Fl. Brit. India 4 : 591. 1885. **Baichua, Tongsor-kung**. Shrub.

### 136.3 *Duranta* L.

**136.3.1 D. repens** L., Sp. Pl. 637. 1753. *Duranta erecta* Linn., Sp. Pl. 637. 1753. *Duranta plumieri* Jacq., Select. Stirp. Amer.Hist. 186, t.176. 1763. **Golden dewdrop; Nil kanda, Mudikanta**. Shrub.

### 136.4 *Gmelina* L.

**136.4.1 G. arborea** Roxb., Pl. Corom. 3:41. 1819. Brandis, For. Fl. 364. 1874; Clarke in Hook. f., Fl. Briy. India 4 : 581. 1885. *Gmelina rheedii* Hook., Bot. Mag. t. 4395. 1848. *Premna arborea* (Roxb.) Roth, Nov. Sp. Pl. 287. 1825. **Gamari, Khamari, Kholomshing**. Tree. Common.

### 136.5 *Holmskioldia* Retz.

**136.5.1 H. sanguinea** Retz., Obs. 6:31. 1791. Clarke in Hook. Fl. Brit. India 4 : 596. 1885. *Hastingia coccinea* Sm., Exot. B. 2: 41, t. 80 (1806). *Hastingia scandens* Roxb., Fl. Ind. ed. 2, 3: 65 (1832). **Jhule phool, Aputo or Hare or Katli Lahara, Sarpattia, Sivettachin**. SC. Less common.

### 136.6 *Lantana* L.

**136.6.1 L. camara** L., Sp. Pl. 2: 627. 1753; Clarke in Hook. f., l.c. 562; Cooke, l.c. 498. **Ban fanda, Masino kanda, Manindra Kanta**. Shrub. Abundant.

**136.6.2 L. indica** Roxb., Fl. Ind. ed. 2, 3: 89. 1832. Clarke in Hook. f., l.c. 562; Cooke, l.c. 498. Shrub. Common.

### 136.7 *Phyla* Lour

**136.7.1 P. nodiflora** (L.) Greene in Pittonia. 4:46. 1899. *Lippia nodiflora* (Linn.) L.C. Rich. in Michaux, Fl. Bor. Amer. 2:15. 1803. Clarke in Hook. f., l.c. 563;

Cooke, l.c. 499; *Verbena nodiflora* Linn., Sp. Pl. 20. 1753. **Bhui-Okra, Kurkure jhaar**. Herb.

### 136.8 *Premna* L.

**136.8.1 P. barbata** Wall. ex Schauer. Prodr. 11: 636. 1847; Clarke in Hook. f., l.c. 579. *Gumira barbata* (Wall. ex Schauer) Kuntze; *Premna barbata* Wall.; *Premna barbata* var. *anodon* C.B. Clarke. Fl. Brit. India 4: 579. 1885. Shrub.

**136.8.2 P. bengalensis** Clarke, Fl. Br. Ind. 4: 577. 1885. *P. longifolia* Roxb., Fl. Ind. 3: 79. 1832; C.B. Clarke in Hook. f., Fl. Brit. India 4 : 575. 1885. **Seti Guenyhlo, Gineri, Dauli**

**136.8.3 P. bracteata** Wall. ex C. B. Clarke in J. D. Hooker, Fl. Brit. India. 4: 572. 1885. Tree.

**136.8.4 P. longifolia** Roxb., Fl. Ind. ed. 1832, 3: 79. 1832. *Gumira longifolia* (Roxb.) Kuntze, Revis. Gen. Pl. 2: 508. 1891. **Gwyheli, Sungna, Dhaoli, Gineri**. Tree. Less common.

**136.8.5 P. lucidula** Miq. Fl. Ned. Ind. 2: 898. 1858. Tree.

**136.8.6 P. mollissima** Roth. Nov. Pl. Sp. 286. 1821. *Gumira mollissima* (Roth) Kuntze, Rev. Gen. Pl. 2: 508. 1891; *Premna mucronata* Roxb.; *P. latifolia* Roxb. var. *mucronata* Haines; *P. mucronata* var. *gamblei*; *P. latifolia* Roxb., Fl. Ind. 3: 76. 1832; Fl. Brit India 4: 577. 1885; *P. latifolia* var. *mollissima* (Roth) Clarke in Hook.f., Fl. Brit. India 4: 578. 1885, nom. illeg. *P. latifolia* Roxb. var. *viburnoides* (Wall. ex Schauer) Clarke in Hook.f., Fl. Brit. India 4: 578. 1885; *P. viburnoides* Wall. ex Schauer in A. DC., Prodr. 11: 635. 1847. **Dusky fire brand mark; Gineri, Gohara, Michapong**, Tree.

**136.8.7 P. scandens** Roxburgh, Fl. Ind. ed. 1832. 3: 82. 1832. C.B. Clarke in Hook. f., Fl. Brit. India 4 : 573. 1885. **Gineri Lahara**. SC. Less common.

### 136.9 *Tectona* L.f.

**136.9.1 T. grandis** L. f., Suppl. Pl. 151. 1781. *Theka grandis* (L. f.) Lamk. 1793. Tree. Abundant.

### 136.10 *Vitex* L.

**136.10.1 V. negundo** L., Sp. Pl. 2: 638. 1753. C.B. Clarke in Hook. f., Fl. Brit. India 4 : 583. 1885. *Vitex paniculata* Lamk. 1788. **Nishinda; Simali**. Shrub. Abundant.

**136.10.2 V. quinata** (Loureiro) Williams, Bull. Herb. Boissier, sér. 2(5): 431. 1905. *Cornutia quinata* Lour., Fl. Cochinch. 2 : 387. 1790. *Vitex heterophylla* Roxb., Fl. Ind. 3 : 75. 1832; C.B. Clarke in Hook. f., Fl. Brit. India 4 : 585. 1885. **Panchpate**. Tree. Rare.

**136.10.3 V. trifolia** L. Sp. Pl. 638. 1753; Gamble 1878. *Vitex agnus-castus* var. *trifolia* (L.) Kurz; *Vitex indica* Mill. [Illegitimate]; *Vitex integerrima* Mill. [Illegitimate]; *Vitis triphylla* Noronha (Unresolved); *Vitex agnuscastus* var. *javanica* Kuntze; *Vitex agnuscastus* var. *subtrisecta* Kuntze; *Vitex benthamiana* Domin; *Vitex bicolor* Willd.; *Vitex iriomotensis* Ohwi; *Vitex langundi* W.G. Maxwell [Invalid]; *Vitex negundo* var. *bicolor* (Willd.) H.J. Lam; *Vitex negundo* var. *philippinensis* Moldenke; *Vitex neocaledonica* Gand.; *Vitex paniculata* Lam.; *Vitex petiolaris* Domin; *Vitex rotundifolia* f. *heterophylla* (Makino ex H.Hara) Kitam.; *Vitex triphylla* Royle; *Vitex variifolia* Salisb.). **Indian**

**privet, Indian wild pepper, simple-leaf chaste tree, three-leaved chaste tree.** Shrub or small tree. Rare.

**137. VIOLACEAE** Batsch, Tab. Affin. Regni Veg.: 57. 2 Mai 1802, nom. cons. (Violet family). Genus: 2; Species: 17

**137.1 Rinorea Aubl.**

**137.1.1 R. bengalensis** (Wall.) Kuntze, Rev. Gen. Pl. 1: 42. 1891; Gamble 1878. *Alsodia bengalensis* Wall. Trans. Med. Soc. Calcutta 7: 224. 1835 (Gamble's list); *A. wallichiana* J. D. Hooker & Thomson; *Rinorea glandulosa* Merrill (1928), not Merrill (1917); *R. wallichiana* (J. D. Hooker & Thomson) O. Kuntze. Shrub or small tree.

**137.2 Viola L.**

**137.2.1 V. arcuata** Blume, Bijdr. 58. 1825. *Viola alata* Burgersdijk; *V. alata* subsp. *verecunda* (A. Gray) W. Becker; *V. amurica* W. Becker; *V. arcuata* f. *radicans* (Makino) Nakai; *V. arcuata* var. *verecunda* (A. Gray) Nakai; *V. distans* Wall., Fl. Br. Ind. 1: 184. 1872, p.p.; *V. excisa* Hance; *V. hupeiana* W. Becker; *V. verecunda* A. Gray; *V. verecunda* f. *hensoaensis* Kudo & Sasaki; *V. verecunda* f. *radicans* Makino; *V. verecunda* var. *semilunaris* Maximowicz. PH.

**137.2.2 V. betonicifolia** Sm., in Rees, Cyclop. 37(1): *Viola* n. 7. 1817; Das et al. 2008. *Viola betonicifolia* subsp. *dielsiana* W. Becker; *V. betonicifolia* subsp. *nepalensis* (Gingins) W. Becker; *V. caespitosa* D. Don; *V. inconspicua* Blume subsp. *dielsiana* W. Becker; *V. oblongosagittata* Nakai var. *violascens* Nakai; *V. patrinii* Gingins var. *caespitosa* (D. Don) Ridley; *V. patrinii* var. *laotiana* H. Boissieu; *V. patrinii* var. *nepaulensis* Gingins. PH.

**137.2.3 V. biflora** L., Sp. Pl. 936. 1753. **Bunufsha.** PH.

**137.2.4 V. bulbosa** Maxim., Mélanges Biol. Bull. Phys.-Math. Acad. Imp. Sci. Saint-Petersbourg. 9: 748. 1876. ssp. *tuberifera* (Franch.) W. Becker, Beih. B. Centralbl. 34(2): 418. 1971. PH.

**137.2.5 V. canescens** Wall., in Roxb., Fl. Ind. 2: 450. 1824. *Viola serpens* var. *canescens* (Wall. ex Roxb.) Hook. f. & Thorns. in Hook. f., Fl. Brit. Ind. 1:184. 1872. PH.

**137.2.6 V. cerasifolia** Saint-Hilaire, Pl. Rem. Brés. 277. 1824. *Viola diffusa* Ging. ex DC., Prodr. 1: 298. 1824; *V. tenuis* Benth. AH. Common.

**137.2.7 V. glaucescens** Oudem., Ann. Mus. B. Lugd.-Bat. 3: 74. 1867 (Unresolved). PH.

**137.2.8 V. hamiltoniana** D. Don, Prodr. Fl. Nep. 206 (Feb. 1825). W. Becker in Beih. B. Centralbl. 40(2): 170 (1923). H. Hara in H. Hara & Williams, Enum. Flow. Pl. Nep. 2: 47 (1979). *Viola arcuata* Blume, Bijdr. 58. 1825; *V. distans* Wall., Trans. Med. Soc. Calcutta 7: 227. 1885; Hook. f., Fl. Brit. India 1: 183. 1872; *V. serpens* var. *hamiltoniana* (D. Don) Hook. f. & Thomson ex Boissieu, ; Bull. S. B. Fr. 57: 259 (1910). PH.

**137.2.9 V. inconspicua** Blume. Bijdr. 58. 1825. PH.

**137.2.10 V. moupinensis** Franch. Bull. Soc. Bot. France 33: 412. 1886. *Viola paravaginata* H. Hara, J. Jap. B. 43: 47 (1968); in Fl. E. Him. 2: 82 (1971); 3:

83 (1975); *V. mairei* H. Léveillé; *V. moupinensis* var. *lijiangensis* C. J. Wang; *V. palustris* var. *moupinensis* (Franchet) Franchet; *V. paravaginata* H. Hara; *V. rosthornii* E. Pritzel; *V. vaginata* Maximowicz subsp. *alata* W. Becker; *V. vaginata* var. *sutchuensis* Franchet ex H. Boissieu. PH.

**137.2.11 V. odorata** L., Sp. Pl. 934. 1753; Hook. f. & Thorns. in Hook. f., Fl. Brit. Ind. 1:184. 1872. *Viola hirta* L.; *V. hirta* ssp. *brevifimbriata* W. Beck; *Viola wiedemannii* Boiss. PH.

**137.2.12 V. pilosa** Blume, Cat. Gew. Buit. 57. (1823); Bijdr. 57 (1825). Hara in Fl. E. Him. 3:83. 1975; Enum. Fl. Pl. Nep. 3: 48. 1982. *Viola aspera* Gingins in DC., l.c. 295 (1824); *V. buchaneana* DC. ex D. Don., Prodr. Fl. Nep. 206. 1825. *V. confusa* Champ. ex Benth. in Hook. in Kew Journ. 3:260. 1851. *V. palmaris* Hamilt. ex DC., l.c. 298 (1824). *V. serpens* Wall. ex Roxb., Fl. Ind. 2:449. 1824; *V. serpens* var. *glabra* Hook. f. et Thoms. in Fl. Brit. Ind. 1: 184 (1872), excl. syn. Hook. f. & Thorns. in Hook. f., Fl. Brit. Ind. 1:184. 1875. **Bunufsha, Ghatte ghans.** PH. Common.

**137.2.13 V. placida** W. Beck. Beih. Bot. Centralbl. 36: 58. 1918 (Not recorded in Kew list). Herb.

**137.2.14 V. sikkimensis** W. Becker, Beih. Bot. Centralbl., Abt. 2. 34: 260. 1916. *Viola hookeri* ex Hook. f. & Thomson, Fl. Br. Ind. 1: 183 (1872), p.p. W. Becker in Beih. B. Centralbl. 34(2): 259 (1916). PH.

**137.2.15 V. thomsonii** Oudemans in Miquel, Ann. Mus. Bot. Lugduno-Batavi. 3: 74. 1867. ) PH.

**137.2.16 V. wallichiana** Ging. ex DC.; Prodr. 1: 300. 1824. *V. reniformis* Wall. in Roxb., Fl. Ind. ed. Carey 2: 451 (1824); *V. biflora* L. sensu Hook. f. et Thorns, in Fl. Brit. Ind. 1: 182 (1872), p.p. PH.

**138. VITACEAE** Juss., Gen. Pl.: 267. 4 Aug 1789, nom. cons. (Grape family). Genus: 7; Species: 41

**138.1 Ampelocissus Planch**

**138.1.1 A. barbata** (Wall.) Planch., Monogr. Phan. 5: 372. 1887. *Vitis barbata* Wall., Fl. Ind., ed. 1820 2: 478. 1824; Lawson in Hook. f. Fl. Brit. Ind. 1:651. 1875; Gamble 1878. **Jarila-lahari.** SC. Less common.

**138.1.2 A. latifolia** (Roxburgh) J. É. Planchon, J. Vigne Am. 1884: 374 (1884); in DC., Monogr. Phan. 5: 370 (1887). *Ampelopsis lalifolia* (Roxb.) Tausch; Flora 21(2): 738 (1838); *Vitis glabrata* D. Don, Prodr. Fl. Nep. 188. 1825. *V. latifolia* Roxb., Fl. Ind. 1:661. 1820. Heyn in Roth, Nova, Sp. 156. 1821; Wight & Arn., Prodr. Fl. Pen. Ind. Or. 130. 1824; DC., Prodr. 1:634. 1832; Brandis, For. Fl. 99. 1824; Lawson in Hook. f., Brit. Ind. 1:652. 1875; Talbot, For. Fl. Bomb Pres, 1:315, 1911: Bamber, Punj. Pl. 592. 1916; Parker, For. Fl. Punj. ed. 2.95. 1924; Cooke, Fl. Bomb. Pres. (rep. ed.) 1.253. 1956. **Jungle grapewine; Jangli Angur; Dhamadu; Pureni.** Herbaceous climber.

**138.1.3 A. rugosa** (Wall.) Planch., J. Vigne Am. 1884: 374 (1884); in DC., Monogr. Phan. 5: 376 (1887). *Vitis lanata* var. *rugosa* (Wall.) M. A. Lawson, Fl. Br. Ind. 1: 651 (1875). *A. nervosa* (M. A.

Lawson) Planch., in DC., Monogr. Phan. 5: 372 (1887). Climber.

**138.1.4** *A. sikkimensis* (M. A. Lawson) Planch., in DC., Monogr. Phan. 5: 371. 1887. *Vitis sikkimensis* M. A. Lawson in J. D. Hooker, Fl. Brit. India 1: 650. 1875. **Pureni**. SC. Endemic. Common.

**138.2** *Cayratia* (Baker) Suess.

**138.2.1** *C. geniculata* (Blume) Gagnep., Notul. Syst. (Paris) 1:345. 1910. *Cissus geniculata* Blume, Bijdr. 184. 1825; *Columella geniculata* (Blume) Merrill. Climber.

**138.2.2** *C. japonica* (Thunbergh) Gagnepien in Lecomete, Notul. Syst. (Paris) 1. 349. 1911. Vine. Less common.

**138.2.3** *C. pedata* (Lam.) Gagnep. Notul. Syst. (Paris) 1: 346. 1911. *Cissus pedata* Lamarck, Encycl. 1: 31. 1783; *Cayratia longzhouensis* W. T. Wang; *Columella pedata* Loureiro; *Lagenula pedata* Loureiro; *Vitis pedata* (Lam.) Wallich ex Wight, Cat. 26. 1833 (Gamble's list). **Tungrootrikup**. Climber.

**138.2.4** *C. trifolia* (L.) Domin, Biblioth. Bot. 89: 370. 1927. *Vitis carnosia* (Lam.) Wall. Numer. List 206: 6018. 1832 (Gamble's list); *Vitis trifolia* L. Sp. Pl. 1: 203. 1753. **Jarila-lara; Takbli-rik**. Climber. Sparse.

**138.3** *Cissus* L.

**138.3.1** *C. adnata* (Roxb.) Wall., Prodr. Fl. Ind. Orient. 1: 126. 1834. *Vitis adnata* (Roxb.) Wall., Prodr. Fl. Ind. Orient. 1: 126. 1834 (Gamble's list); *Vitis vitiginea* var. *adnata* (Roxb.) Kuntze, Revis. Gen. Pl. 1: 138. 1891. **Panilara; Kungchen-rik**. Climber.

**138.3.2** *C. assamica* (M. A. Lawson) Craib, Kew Bull. 1911: 31. 1911. *Vitis assamica* M. A. Lawson in J. D. Hooker, Fl. Brit. India 1: 648. 1875. Climber. Less common.

**138.3.3** *C. elongata* Roxb., Fl. India 1: 429. 1820. *Cayratia elongata* (Roxb.) Suess., Nat. Pflanzenfam. ed. 2 20d: 281 1953; *Vitis elongata* (Roxb.) Wall. ex M.A. Lawson, prev. in Numer. List 6016, 1831 (Gamble's list). **Charcharey lahara**. Climber.

**138.3.4** *C. javana* DC., Prodr. 1: 628. 1824. *Cissus discolor* Blume, Catalogus 39. 1823; *Vitis discolor* (Blume) Dalzell, Hooker's J. Bot. Kew Gard. Misc. 2: 39. 1830. **Sanu Pureni**. Climber. Common.

**138.3.5** *C. quadrangularis* L., Syst. Nat. (ed. 12), 2: 124. 1767. *Cissus edulis* Dalz. in Hook., Lond. Jour. Bot. 9:248. 1857. *Vitis quadrangularis* (L.) Wall. ex W. & Arn., Prodr. Fl. Pen. Ind. Or. 125. 1824. Brandis, For. Fl. 100.1874; Lawson in Hook. f., Fl. Brit. Ind. 1:645. 1875. **Harhgorha**. PC.

**138.3.6** *C. repanda* var. *repanda* (Wight & Arn.) Vahl, Symb. Bot. 3: 18. 1794. *Vitis rosea*, *V. pallida* Wight & Arn., Prodr. Fl. Ind. Orient. 1: 125. 1834; *V. repanda* (Vahl) Wight & Arn., Prodr. Fl. Ind. Orient. 1: 125. 1834 (Gamble's list). **Wavy-leaved Cissus; Pani lahara, Vhym-rik**.

**138.3.7** *C. repens* Lam., Encycl. 1: 31. 1789. *Vitis repens* (Lam.) Wight & Arn., Prodr. Fl. Ind. Or. 125 (1834). *Cissus cordata* Roxburgh; *C. glauca* Roxburgh; *C. repens* var. *sinensis* Handel-Mazzetti; *Vitis repens* (Lamarck) Wight & Arnott. **Charchare lahara, Pureni**. Climber.

**138.3.8** *C. spectabilis* Hochst. ex Planch., Monogr. Phan. [A.DC. & C.DC.] 5(2): 609, in obs. 1887. *Vitis spectabilis* Kurz. Shrub. Endemic. Rare. Endangered.

**138.3.9** *C. vitiginea* L., Sp. Pl. 117. 1753. *Vitis linnaei* Wall. ex Wight & Arn., Prodr. 126. 1834; Hook. f., Fl. Brit. India 1: 649. 1875. SC.

**138.4** *Leea* D.Royen ex L.

**138.4.1** *L. aequata* L., Syst. Nat. ed. 12, 2: 627. 1767; Mant. Pl. 124. 1767. *Leea hirta* Roxburgh ex Hornemann, Hort. Bot. Hafn. 1: 231 231 1813 (Gamble's list); *L. hispida* Gagnepain; *L. kurzii* C. B. Clarke. **Galena, Kak nasika, Mangú pantu-kúng**. Shrub.

**138.4.2** *L. alata* Edgew., Trans. Linn. Soc. London 20(1): 36. 1846; Gamble 1878. **Lal galeni; Tsemangri; Kantóm-nok**. Shrub.

**138.4.3** *L. asiatica* (L.) Ridsdale in Manilal, Bot. Hist. Hort. Malab. 189. 1980. *Phytolacca asiatica* Linnaeus, Sp. Pl. 1: 474. 1753; *Leea aspera* Wall. [in Roxb., Fl. Ind. ed. Carey, 2: 468 (1824), nom. nud., ad nota] ex Edgew. in Trans. Linn. Soc. 20: 36 (1846)-C.B. Clarke in Journ. Bot. 19: 136 (1881); *L. crispa* Royen ex L., Syst. Nat. ed. 12, 2: 627. 1767; Mant. Pl. 124. 1767; Gamble 1878; *L. edgeworthii* Santapau; *L. herbacea* Buchanan-Hamilton ex C. B. Clarke: Fl. E. Himal. 200 (1966); 2: 78 (1971), p.p.; *L. pumila* Kurz. **Banchalita, Padari/ Guithe Padari, Phekri Galeni, Goraa, Pantóm**. Shrub or small tree. Common.

**138.4.4** *L. compactiflora* Kurz, J. As. S. Beng. 42(2): 65 (1873). *Leea bracteata* C. B. Clarke; *L. trifoliata* M. A. Lawson. Shrub. Less common.

**138.4.5** *L. guineensis* G. Don, Gen. Syst. 1: 712 (1831). *Leea laeta* Wall. ex Kurz. J. Asiat. Soc. Bengal 42(2): 65 65 1873 (Gamble's list); *Leea manillensis* Walpers. **Lal galeni, Pantóm**. Shrub or small tree. Common.

**138.4.6** *L. indica* (Burm. f.) Merr., Philipp. J. Sci. B. 14: 245. 1919. *Staphylea indica* N. L. Myanmarn, Fl. Indica, 75. 1768; *Aquilegia sambucina* Linnaeus, nom. illeg. superfl.; *L. gigantea* Griff., Not. Pl. Asiat. 4: 697 697 1854 (Gamble's list); *L. sambucina* (L.) Willd. Sp. Pl. 1(2): 1177 1177 1798 (Gamble's list); *L. sumatrana* Miq. Ann. Mus. Bot. Lugduno-Batavum 1(2): 611 611 1859 (Gamble's list); *L. umbraculifera* C. B. Clarke. **Indian Leea; Galeni, Kukur jibre, Pantóm, Sirispanterr-kúng**. Shrub. Rare.

**138.4.7** *L. macrophylla* Roxb. ex Hornem., H. Hafn. 1: 231. 1813; Gamble 1878. *Leea aspera* Wallich ex G. Don, Gen. Hist. 1: 713 713 1831; *L. robusta* Roxburgh, Fl. Ind., ed. 1820 2: 468. 1824 (Gamble's list). **Bulyettra, Dampantóm-kúng, Galeni, Galoni, Pantóm**. Shrub.

**138.5** *Parthenocissus* Planch.

**138.5.1** *P. semicordata* (Wall.) Planch. in DC., Monogr. Phan. 5: 451. 1887. *P. himalayana* (Royle) Planch. in DC., Monogr. Phan. 5: 450. 1887; *Vitis himalayana* (Royle) Brandis, Forest fl. N.W. India 100. 1874 (Gamble's list); *Vitis semicordata* Wall., Fl. Ind., ed. 1820 2: 481. 1824. **Bara churcheri; Hlotagbret**. SC. Common.

**138.6** *Tetrastigma* (Miq.) Planch.

**138.6.1** *T. angustifolia* (Roxb.) Deb. Fl. Tripura State 1: 416. 1981. *T. angustifolium* (Roxb.) Planch. Monogr. Phan. 5: 439. 1887. *Vitis angustifolia* (Roxb.) Wall. HC. Common.

**138.6.2** *T. bracteolatum* (Wall.) Planch. in DC., Monogr. Phan. 5: 428. 1887. *Vitis bracteolata* Wall., Fl. Ind., ed. 1820 2: 483. 1824 (Gamble's list). **Monjam Hei, Tundor-rik.** SC. Common.

**138.6.3** *T. campylocarpum* (Kurz) Planchon in A. Candolle & C. Candolle, Monogr. Phan. 5: 437. 1887. *Vitis campylocarpa* Kurz, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 41: 302. 1872. Liana. Common.

**138.6.4** *T. corymbosum* D.G.Long in Edinburgh J. Bot. 47(3): 358. 1990 (Unresolved). Large climber.

**138.6.5** *T. dubium* (M. A. Lawson) Planch., in DC., Monogr. Phan. 5: 437 (1887). *Vitis rumicisperma* Laws. *Vitis dubia* Lawson. Fl. Brit. India [J. D. Hooker] 1: 661. 1875 [Feb 1875]. **Chyar chyare laharo.** SC. Less common.

**138.6.6** *T. hookeri* (M.A. Lawson) Planch, Monogr. Phan. 5: 428. 1887. *Vitis hookeri* M.A. Lawson, Fl. Brit. India 1: 661. 1875. Large climber.

**138.6.7** *T. lanceolarium* (Roxb.) Planch. Monogr. Phan. 5: 423. 1887-Suessenguth in Engl. et Pranti, Pn.-fam. 2 Aufl, 20d: 322, fig. 95 (1953). *Cissus laweolaria* Roxb., Fl. Ind. ed. Carey, 1: 430 (1820); *T. dubium* (Laws.) Planch, sensu Momiyama in Fl, E.

Himal. 200 (1966); *Vitis lanceolaria* (Roxb.) Wall. Numer. List 206: 6013. 1832 (Gamble's list).

**Tukbret-rik.** Large climber.

**138.6.8** *T. leucostaphyllum* (Dennst.) Alston ex Mabb. Taxon 26: 539. 1977. Climber. Less common.

**138.6.9** *T. obtectum* (Wall. ex M. A. Lawson) Planch. ex Franch.; Bull. S. B. Fr. 33: 458 (1886); in DC., Monogr. Phan. 5: 434 (1887). SC. Very common.

**138.6.10** *T. planicaule* (Hook.f.) Gagnep. Notul. Syst. (Paris) 1: 319. 1910. *Vitis planicaulis* J. D. Hooker, Bot. Mag. 94: t. 5685. 1868. Liana. Less common. Endangered.

**138.6.11** *T. rumicispermum* (M. A. Lawson) Planch., in DC., Monogr. Phan. 5: 429. 1887. *Vitis rumicisperma* M.A. Lawson, Fl. Brit. India 1(3): 661. 1875 (Gamble's list). **Tungroot-rik, Thulocharchare, Toludorrik.** SC.

**138.6.12** *T. serrulatum* (Roxb.) Planch., in DC., Monogr. Phan. 5: 432. 1887. *Cissus capriolata* (D. Don) Royle, Ill. B. Him. 149, t. 26, f. 2. 1839; *Cissus napaulensis* DC., Prodr. 1: 632. 1824. *Tetrastigma affine* (Gagnep. ex Osmaston) Raiz & Saxena, ; Ind. For. 92: 325 (1966). *Tetrastigma indicum* M. Maulik; Bull. B. Surv. Ind. 13(3-4): 352, f. (1971). *Vitis affinis* Gagnep. ex Osmaston; For. Fl. Kumaon 119 (1927). *Vitis capriolata* D. Don, Prodr. Fl. Nep. 188. 1825 (Gamble's list). **Churcheri.** SC. Common.



**Photoplate.** 1. *Antidesma bunius* 2. *Antidesma montanum* 3. *Antigonon leptopus* 4. *Antirrhinum majus* 5. *Aphanamixis polystachya* 6. *Apium graveolens* 7. *Aponogeton lakhonensis* 8. *Aporosa cardiosperma* 9. *Aporosa octandra* 10. *Aquilaria malaccensis* 11. *Aralia armata* 12. *Aralia cachemirica* 13. *Aralia foliolosa* 14. *Aralia leschenaultii* 15. *Arbutus unedo*.

**138.6.13** *T. thomsonianum* Planchon in DC., Monogr. Phan. 5: 438. 1887 (Unresolved). Climber.

### 138.7 *Vitis* L.

**138.7.1** *V. glauca* Wall., Numer. List 5990. 1831 (Unresolved); Gamble 1878. *V. glauca* Cordem., Fl. Réunion 410. 1895; *V. glauca* (Roxb.) Wight & Arn., Cat. Ind. Pl. 26. 1833. **Pureni, Kungchen-rik.** Lianas.

**138.7.2** *V. heyneana* Roemer & Schultes, Syst. Veg. 5: 318. 1819. *Vitis lanata* Roxb., Fl. Ind., ed. 1820, 2: 474. 1824 (Gamble's list) var. *glabra* Lawson. **Jarilalara; Mikrum-rik.** SC. Less common.

**138.7.3** *V. vinifera* L. Sp. Pl. 1: 202. 1753; Gamble 1878. Lianas.

### CONCLUSION

The new records in this checklist supports the observation by Das (2004) that the process of evolution is still active in this part of the Himalayas. Hence, periodical explorations are to be conducted at all levels, academic or administrative, so that the unknown species, hidden in the niches not yet covered in the study region, are discovered and fill our knowledge gap.



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