AN ANNOTATED CHECKLIST OF THE ANGIOSPERMIC FLORA OF RAJKANDI RESERVE FOREST OF MOULVIBAZAR, BANGLADESH

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Abstract
This study was carried out to provide the baseline data on the composition and distribution of the angiosperms and to assess their current status in Rajkandi Reserve Forest of Moulvibazar, Bangladesh. The study reports a total of 549 angiosperm species belonging to 123 families, 98 (79.67%) of which consisting of 418 species under 316 genera belong to Magnoliopsida (dicotyledons), and the remaining 25 (20.33%) comprising 132 species of 96 genera to Liliopsida (monocotyledons). Rubiaceae with 30 species is recognized as the largest family in Magnoliopsida followed by Euphorbiaceae with 24 and Fabaceae with 22 species; whereas, in Liliopsida Poaceae with 32 species is found to be the largest family followed by Cyperaceae and Araceae with 17 and 15 species, respectively. Ficus is found to be the largest genus with 12 species followed by Ipomoea, Cyperus and Dioscorea with five species each. Rajkandi Reserve Forest is dominated by the herbs (284 species) followed by trees (130 species), shrubs (125 species), and lianas (10 species). Woodlands are found to be the most common habitat of angiosperms. A total of 387 species growing in this area are found to be economically useful. 25 species listed in Red Data Book of Bangladesh under different threatened categories are found under Lower Risk (LR) category in this study area.

Introduction
Rajkandi Reserve Forest (RRF) is located in Kamalganj upazilla under Moulvibazar district of Bangladesh. This forest area consists of ca. 2,450 hectares’ land of Rajkandi forest range that lies between the 24°12’-24°17’N and 91°51’-91°55’E, and comprises diverse habitats and ecosystems. This tropical semi-evergreen forest falls within the Indo-Burma hot-spot of biodiversity (Myers et al., 2000).

The extensive floristic exploration throughout British India conducted by J.D. Hooker (1872-1897) included the Sylhet region of the present political boundary of Bangladesh. Later, David Prain (1903) covered different regions of Bangladesh including Sylhet under his floristic exploration. Kanjilal et al. (1934, 1938-1940) included some areas of Sylhet region too. In those studies, any specific or detail information on local distribution and voucher specimens of the taxa described are missing. Later on, various sporadic inventories have been completed in different areas of greater Sylhet region, such as Das (1968), Alam (1988), Arefin et al. (2011), Uddin and Hassan (2004) and Sobuj and Rahman (2011). However, the flora and plant diversity of Moulvibazar district, have not yet been explored, except the plant diversity (Uddin and Hassan, 2010) or a plant group (Haque et al., 2016) of a particular area. Taxonomic data on the current floristic composition of RRF collected through field inventories and examination of representative plant specimens are still lacking, though such data are important for the sustainable use and

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conservation of plant resources and resource-based development of the area. Therefore, an inventory on the floristic composition of RRF was conducted with the objectives to produce an annotated checklist of the angiospermic species of the area; to determine the current status of threatened species of angiosperms from Bangladesh in this forest; and to collect and preserve representative plant specimens for future reference.

Materials and Methods

Taxonomic inventories were conducted during 2010 to 2015 through 25 field trips in different seasons throughout the study area (Fig. 1). Necessary field data and representative plant specimens were collected and preserved following standard herbarium techniques (Bridson and Forman, 1989; Singh and Subramaniam, 2008). All plant specimens were preliminarily identified through consulting the experts and matching with relevant voucher specimens preserved at Jahangirnagar University Herbarium (JUH), and Bangladesh National Herbarium (DACB). Some critical specimens were identified at Central National Herbarium, Howrah, India (CAL) during the visit of one of the authors.

The identification of the plant specimens were verified by matching with the images of pertinent type specimens available in the websites of international herbaria and consulting taxonomic descriptions and keys available in the relevant literatures (Hooker, 1872-1897; Prain, 1903; Wu and Raven, 1994-2001; Wu et al., 1999-2013).

Nomenclature of each taxon was verified following Flora of China (Wu and Raven, 1994-2001; Wu et al., 1999-2013) and the nomenclatural databases of The Plant List (2013) and TROPICOS (2017). The common names have been cited based on Huq (1986), Pasha and Uddin (2013) and interview with the local people. The families have been arranged following Cronquist (1981), and the genera and species under each family have been arranged alphabetically (Table 1). The economic uses of the species were recorded through interviews with the local people during the field surveys, and consulting the relevant literatures (e.g., Ghani, 1998; van Valkenburg and Bunyapraphatsara, 2002). Status of threatened plant species listed in Red Data Book of Bangladesh (Khan et al., 2001; Ara et al., 2013) was asseesed in context to RRF through field observation on natural distribution and regeneration of each species throughout the area, and IUCN threatened category was estimated consulting IUCN (2001). The voucher specimens have been preserved at JUH and DACB.

Results and Discussion

A total of 549 species of angiosperms under 412 genera and 123 families have been recorded from RRF with their natural distribution (Table 1). Among these families, 98 (79.67%) representing 316 genera and 418 species are identified as dicotyledons (Magnoliopsida), whereas, only 25 (20.33%) families consisting of 96 genera and 132 species as monocotyledons (Liliopsida). Among these families, 46 are represented by single species each and only 10 families by more than 10 (10-33) species. This reserve forest is dominated by the herbs comprising 284 species that are followed by trees of 130 species, shrubs of 125 species, and lianas of 10 species. These data indicate that Rajkandi Reserve Forest is floristically rich.

In Magnoliopsida, Rubiaceae with 30 species of 21 genera is recognized as the largest family in RRF followed by Euphorbiaceae with 24 species of 19 genera and Fabaceae with 22 species belonging to 17 genera. Poaceae consisting of 32 species of 25 genera is found to be the largest family in Liliopsida, followed by Cyperaceae with 17 species of nine genera and Araceae with 15 species of 13 genera. Ficus with 12 species is found as the largest genus in the area, which is
followed by *Ipomoea, Cyperus* and *Dioscorea* with five species each and *Maesa, Piper, Senna, Terminalia, Phyllanthus, Mussaenda, Ixora* and *Bambusa* with four species each.

The composition and distribution of species in all of the three forest beats of RRF, namely Adampur, Kurma and Kamarchara, were found to be variable remarkably. A total of 231, 26 and five species were found to occur exclusively in Adampur-, Kamarchara- and Kurma beats, respectively. The occurrence of total 538 species in Adampur beat, with 231 species exclusive and additional 307 species overlapping in other two beats (240 in Kurma and Kamarchara, 46 in Kurma and 21 in Kamarchara), indicates that this forest beat could be considered as a hotspot of biodiversity.

In this forest, woodlands were found to be the most common habitats harbouring the highest number of species (157 species), and this might be due to accumulation of nutrient components and humus-rich soil. In contrast, the finding of hill top to harbour relatively lower number of species (16 species) might be due to their poor humus and nutrient components.

The total number of angiosperm species (549) found in Rajkanndi Reserve Forest during this study is 15.20% of the total 3,611 species, and that of angiosperm families (123) is 59.42% of the total 207 families reported for Bangladesh (Ahmed *et al.*, 2008-2009).
Table 1. List of angiosperm species of Ranjkandi Reserve Forest under Maulvibazar district of Bangladesh.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| MAGNOLIOPSISIDA Brongn. | | | | | | |
| MAGNOLIACEAE Juss. | | | | | | |
| Magnolia champaca (L.) Baill. ex Pierre | Champa | Tree, m | wd | All beats | T | Kamrul 594 (JUH) |
| ANNONACEAE Juss. | | | | | | |
| Annona squamosa L. | Ata | Tree, s | ml (cu) | Ad | Fr | Kamrul 2140 (JUH) |
| A. reticulata L. | Nona | Tree, s | ml (cu) | All beats | Fr | Kamrul 2085 (JUH) |
| Alphonsea lutea (Roxb.) Hook.f. & Thomson | Fonseti | Tree, s | wd | Ad | Fr | S.N.Uddin N4625 (DACB) |
| Dasyymaschalon longiflorum (Roxb.) Finet & Gagnep. | Kulla | Shrub | wd | All beats | - | Kamrul 707 (JUH) |
| Fissistigma bicolor (Roxb.) Merr. | Hed-bheduli | Herb, cl | wd, fe | All beats | - | Kamrul 123 (JUH) |
| Miluusa velutina (Dunal) Hook.f. & Thomson | Gandhi gajari | Tree, m | wd | Ad | Fr | Kamrul 1523 (JUH) |
| Polyalthia longifolia (Sonn.) Thwaites | Debdaru | Tree, l | ml | Ka | O, T, M | Kamrul 2127 (JUH) |
| MYRISTICACEAE R.Br. | | | | | | |
| Kaema cinerea Warb. | Mota pasuti | Tree, m | wd | Ad | - | Kamrul 1574 (JUH) |
| LAURACEAE Juss | | | | | | |
| Actinodaphne gullava (Buch.-Ham. ex Nees) M.R. Almeida. | Modon mosta | Tree, m | hs | All beats | - | Kamrul 647 (JUH) |
| Cinnamomum tamala (Buch.-Ham.) T. Nees & Nees | Tejapat | Tree, m | sj | All beats | Sp, M | Kamrul 1285 (JUH) |
| Dehaasia kurzii Kingex Hook.f. & Thomson | Baro kukurchita | Tree, s | hs | Ad | - | Kamrul 1022 (JUH) |
| Litsea monopetala (Roxb.) Pers. | Gandhi gajari | Tree, s | wd | All beats | M, Fr | Kamrul 1445 (JUH) |
| Oceota lancifolia (Schott) Mez. | Dulia | Tree, s | wd | Ad | T | Kamrul 298 (JUH) |
| CHLORANTHACEAE R.Br. ex Sims | | | | | | |
| Chloranthis erectus (Buch.-Ham.) Verdc. | Rantas | Shrub | fv | Ad | O, M | Kamrul 807 (JUH) |
| PIPERACEAE Giseke | | | | | | |
| Peperomia pellucida (L.) Kanth | Pithapata | Herb, e | ml | Ad | M | Kamrul 316 (JUH) |
| Piper betle L. | Pan | Herb, cl | ml | Ad | M | Kamrul 11 (JUH) |
| P. longum L. | Pipul | Herb, cl | wd | Ad | M | Kamrul 2058 (JUH) |
| P. nigrum L. | Gol morich | Herb, cl | wd | Ad | M | Kamrul 723 (JUH) |
| P. sylvaticum Roxb. | Ban pan | Herb, cr | sj, fe | Ad, Ku | M | Kamrul 83 (JUH) |
| ARISTOLOCHIACEAE Juss. | | | | | | |
| Aristolochia tagala Cham. | Iswararmul | Herb, cl | wd, hs | Ad | - | Kamrul 2139 (JUH) |
| SCHISANDRACEAE Blume | | | | | | |
| Kadsura heteroclitia (Roxb.) Craib | Kadsuta | Shrub | wd | Ad | M | Kamrul 1432 (JUH) |
| NYMPHAEACEAE Salisb. | | | | | | |
| Nymphaea nouchali Burm. f. | Nilshapla | Herb, aq | ml | Ad | M | Kamrul 2233 (JUH) |
| N. rubra Roxb. ex Andrews | Lal shapla | Herb, aq | ml | Ad | V | Kamrul 2236 (JUH) |
| CERATOPHYLLACEAE Gray | | | | | | |
| Ceratophyllum demersum L. | Sheola | Herb, aq | ml | Ad | M | Kamrul 2237 (JUH) |
| RANUNCULACEAE Juss. | | | | | | |
| Nigella sativa L. | Kala-jeera | Herb, e | ml (cu) | Ka | M | Kamrul 2234 (JUH) |
| MENISPERMACEAE Juss. | | | | | | |
| Cissampelos pareira L. | Akanadi | Herb, vi | wd | All beats | - | Kamrul 512 (JUH) |
| Cyclea barbata Miers | Patalpur | Herb, cl | wd | All beats | M | Kamrul 299 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| Diplolista glaucescens (Blume) Diels | Sonatola | Herb, vi | wd | Ad | M | Kamrul 1295 (JUH) |
| Pericampylus glaucus (Lam.) Merr. | Goria lata | Herb, cl | fe | Ad, Ku | Du | Kamrul 1209 (JUH) |
| Pycnarrhena planiflora Miers ex Hook. f. & Thomson * | Henalora | Shrub | ml | Ad, Ku | - | Kamrul 505 (JUH) |
| Stephania japonica (Thumb.) Miers | Nimmakha | Herb, cl | Sj, ml | All beats | M | Kamrul 317 (JUH) |
| Tinospora sinensis (Lour.) Merr. | Padma gulancha | Shrub, cl | rb, sj | All beats | - | Kamrul 82 (JUH) |
| Sabiaceae Blume | Meliosma pinnata (Roxb.) Maxim. | Bativa | Tree | wd | Ad | T, Fr | S.N.Uddin N5025 (DACB) |
| | M. simplicifolia (Roxb.) Walp. | Dibru | Tree | wd | Ad | T | Kamrul 1433 (JUH) |
| | Sabia lanceolata C. C. Berg. | Sajba lat | Herb, cl | wd | All beats | T | Kamrul 1157 (JUH) |
| | S. limoniacea Wall. ex Hook.f. & Thomson | Sabia lanceolata | Herb, cl | wd | All beats | - | Kamrul 134 (JUH) |
| Ulmaceae Mirb. | Trema orientalis (L.) Blume | Banjiga | Tree, m | rb | Ad, Ku | Fw, | Kamrul 312 (JUH) |
| | Moraceae Gauch. | Artocarpus chama Buch.-Ham. | Chapalish | Tree, l | ml | All beats | T, Fr | Kamrul 2174 (JUH) |
| | A. heterophyllus Lam. | Kanthal | Tree, l | ml | Ad, Ka | T, Fr | Kamrul 2037 (JUH) |
| | A. lacucha Buch.-Ham. | Deua | Tree, m | wd | Ad | Fr, T, M | Kamrul 2070 (JUH) |
| | Ficus benghalensis L. | Bot | Tree, l | ml | Ad | O, M | Kamrul 2235 (JUH) |
| | F. benjamina L. | Pakur | Tree, l | fe | Ad, Ku | O, Fw | Kamrul 841 (JUH) |
| | F. elastic Roxb. ex Hornem. | Rubber gach | Tree, s | ml | Ad | O | Kamrul 1458 (JUH) |
| | F. heterophylla L.f. | Bhai dunur | Shrub | rb | All beats | M | Kamrul 440 (JUH) |
| | F. hirta Vahl | Dadhuri | Shrub | fe | Ad | Md | Kamrul 138 (JUH) |
| | F. hispida L.f. | Kakkum | Shrub | ml | Ad | Fr, M | Kamrul 303 (JUH) |
| | F. punila L. | Lata dunur | Herb, c | wd | Ad | O | Kamrul 2179 (JUH) |
| | F. racemosa L. | Jagyadumur | Tree, s | ml | Ad | M | Kamrul 49 (JUH) |
| | F. religiosa L. | Ashwath | Tree, l | ml | Ad | O, Fr, M | Kamrul 861 (JUH) |
| | F. sagittata Vahl | Karat-bot | Herb, e | wd | Ad, Ku | - | Kamrul 1368 (JUH) |
| | F. semicordata Buch.-Ham. ex Sm. | Sadimadi dunur | Tree, s | wd | Ad, Ku | - | Kamrul 806 (JUH) |
| | F. variegata Blume | Bichtirat | Tree, s | fv | Ad | Fw | Kamrul 843 (JUH) |
| Streblus asper Lour. | Sheora | Tree, s | rb | All beats | - | Kamrul 2180 (JUH) |
| Cecropiaceae C.C. Berg. | Dolia sat | Tree, m | Ad | - | Kamrul 157 (JUH) |
| Poikilospermum suaveolens (Blume) Merr. | Boehmeria glomerulifera Miq. | Borthurthuri | Shrub | wd | All beats | - | Kamrul 187 (JUH) |
| | B. macrophylla Hornem. | Ulichara | Shrub | wd | Ad | - | Kamrul 285 (JUH) |
| | Dendrocine sinuata (Blume) Chew | Chutra | Shrub | wd | Ad | Fb, Fw, M | Kamrul 172 (JUH) |
| Elatostema clarkei Hook. f. | Clarkejara | Herb, e | wd | Ad, Ka | - | Kamrul 820 (JUH) |
| Laporitea interrupta (L.) Chew | Lal bichuti | Herb, e | ml | All beats | M | Kamrul 2201 (JUH) |
| Oreocnide integrifolia (Gaudich.) Miq. | Horhutta | Tree, m | Ad | - | Kamrul 183 (JUH) |
| Pouzolzia zeylanica (L.) Benn. | Kullaruki | Herb, pr | ml, gl | Ad | M | Kamrul 837 (JUH) |
| Pilea glabrerrima (Blume) Blume | Glabrum | Shrub | wd | All beats | - | Kamrul 404 (JUH) |
| Sarcochlamys pulcherrima Gaudich. | Marich | Tree, m | Ad | Fw | Kamrul 1356 (JUH) |
### Table 1 Contd.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| **JUGLANDACEAE** DC. ex Perleb | | | | | | |
| *Engelhardia spicata* Lesch. ex Blume | Jhumka bhadi | Tree, l | hs, fv | All beats | Sw | Kamrul 1457 (JUH) |
| **FAGACEAE** Dumort. | | | | | | |
| *Quercus obtusata* Bonpl. | Batna | Tree, m | hs | Ad | - | Kamrul 1228 (JUH) |
| **NYCTAGINACEAE** Juss. | | | | | | |
| *Boerhavia defusa* L. | Punamava | Herb, pr | ml | All beats | M | Kamrul 2183 (JUH) |
| **CHENOPODIACEAE** Vent. | | | | | | |
| *Chenopodium album* L. | Bathua shak | Herb, cr | ml | Ad | M | Kamrul 1241 (JUH) |
| **AMARANTHACEAE** Juss. | | | | | | |
| *Achyranthes aspera* L. | Apang | Herb, e | fe | All beats | M | Kamrul 2128 (JUH) |
| *Alternanthera paronychioides* A.St.-Hil. | Jhuli khatta | Herb, a | ml | Ad | M | Kamrul 2100 (JUH) |
| *A. philoxeroides* (Mart.) Griseb. | | | | | | |
| *A. sessilis* (L.) R.Br. ex DC. | | | | | | |
| *Amaranthus spinosus* L. | Kantanotey | Herb, e | ml | All beats | V, M | Kamrul 282 (JUH) |
| **POLYGONACEAE** Juss. | | | | | | |
| *Persicaria hydropiper* (L.) Delarbre | Biskatali | Herb, e | wd | All beats | - | Kamrul 38 (JUH) |
| *Polygonum* effusum Meisn. | Raniphul | Herb, e | ml, gl | Ad, Ku | M | Kamrul 1716 (JUH) |
| *P. lapathifolium* L. | Panibishkatali | Herb, e | wd | Ad, Ku | M | Kamrul 903 (JUH) |
| **DILLENIACEAE** Salisb. | | | | | | |
| *Dillenia indica* L. | Chalata | Tree, s | ml | All beats | Fr, M | Kamrul 669 (JUH) |
| *Dipterocarpus turbinatus* Gaertn. | Kali garjan | Tree, l | hs | Ad | T | Kamrul 2156 (JUH) |
| **THEACEAE** Mirb. | | | | | | |
| *Eurya acuminata* DC. | Sagoler bori | Shrub | wd | Ad | Fw | S.N.Uddin N4813 (DACB) |
| *Schima wallichii* (DC.) Korth. | | | | | | |
| **ACTINIDIACEAE** Gilg & Werderm. | | | | | | |
| *Saurauia roxburghii* Wall. | Dalup | Tree, m | Ad | Fr, Co | Kamrul 534 (JUH) |
| **CLUSIACEAE** Lindl. | | | | | | |
| *Garcinia cowa* Roxb. ex Choisy | Cowa | Tree, s | wd | Ad | Fr | Kamrul 1075 (JUH) |
| *Mesua ferrea* L. | Nagessawar | Tree, s | Ad | M | Kamrul 2151 (JUH) |
| **ELAEOCARPACEAE** Juss. | | | | | | |
| *Elaeocarpus petiolatus* (Jack) Wall. * | Petiapai | Tree, m | Ad | All beats | M | Kamrul 1246 (JUH) |
| **TILIACEAE** Juss. | | | | | | |
| *Corchorus aestuans* L. | Titapat | Herb, e | ml | Ka | M | Kamrul 2238 (JUH) |
| *Grewia nervosa* (Lour.) Panigrahi | | | | | | |
| *G. serrulata* DC. | Pichandi | Tree, s | sj | All beats | M | Kamrul 1519 (JUH) |
| *G. tiliifolia* Vahl | Pichandi | Shrub | sj | Ad | M | Kamrul 560 (JUH) |
| *Triumfetta rhomboidea* Jacq. | Jonli phoha | Tree, s | sj | Ad | M | Kamrul 784 (JUH) |
| *T. pilosa* Roth | Bon okua | Herb, e | gl, ml | All beats | M | Kamrul 98 (JUH) |
Table 1 Contd.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|------------------|-------------|-------|---------|----------|------|-----|
| STERCULIACEAE Vent. |             |       |         |          |      |     |
| Abroma augusta (L.) L.f. | Ulatkambal | Shrub | sj      | Ad       | M, Fb | Kamrul 2199 (JUH) |
| Byttneria aspera Colebr. ex Wall. | - | Liana | e       | Ad       | -   | Kamrul 743 (JUH) |
| B. pilosa Roxb. | Harjora lata | Liana | e       | All beats | M | Kamrul 128 (JUH) |
| Melochia corchorifolia L. | Tiki-okua | Herb, e | fv | All beats | M | Kamrul 382 (JUH) |
| Pterospermum acerifolium (L.) Wild. | Kanackchampa | Tree, m | wd | All beats | O, M, Fr | Kamrul 1926 (JUH) |
| Sterculia villosa Roxb. | Udal | Tree, m | hs | All beats | Fr | Kamrul 1278 (JUH) |
| BOMBACACEAE Kunth | Bombax ceiba L. | Simul |       | Ad | Sw, Fb | Kamrul 190 (JUH) |
| MALVACEAE Juss. | Abelmoschus moschatus Medik. | Mushak-dana | Herb, e | ml | All beats | M, V, O | Kamrul 410 (JUH) |
| Abutilon indicum (L.) Sweet | Petari | Herb, e | ml, gl | All beats | M, Fb | Kamrul 1710 (JUH) |
| Hibiscus rosa-sinensis L. | Jaba | Shrub, e | ml | Ad | O | Kamrul 985 (JUH) |
| H. macrophyllus Roxb. ex Hornem. | Udal | Tree, m | wd | All beats | - | Kamrul 1771 (JUH) |
| H. surattensis L. | Ram bhindi | Shrub | hs | Ad | M | Kamrul 1601 (JUH) |
| Malvaviscus arboreus Cav. | Marich jaba | Shrub | ml | Ad | O | Kamrul 2171 (JUH) |
| Sida acuta Burm. f. | Kureta | Herb, e | rs, ml | All beats | M | Kamrul 1009 (JUH) |
| S. cordata (Burm. f.) Borss. | Jumka | Herb, e | ml | All beats | - | Kamrul 335 (JUH) |
| S. rhombifolia L. | Lal berela | Herb, e | ml, rs | Ad, Ka | M | Kamrul 388 (JUH) |
| Urena lobata | Banghagra | Shrub | rs, ml | All beats | M | Kamrul 685 (JUH) |
| LEICYTHIDACEAE A. Rich. | Barringtonia acutangula (L.) Gaertn. | Hijol | Tree, m | ml | Ad | M | Kamrul 2133 (JUH) |
| FLACOURTIACEAE Rich. ex DC. | Flacourtia indica (Burm. f.) Merr. | Bauchi | Shrub | sj | Ad, Ka | M, Fr, T | Kamrul 1624 (JUH) |
| F. jangomas (Lour.) Raesusch. | Lukluki | Tree, s | wd | All beats | Fr | Kamrul 1332 (JUH) |
| PASSILORACEAE Juss. ex Roussel | Adenia trilobata (Roxb.) Engl. | Akandaphal | Herb, cl | wd, sj | Ad, Ku | M | Kamrul 1324 (JUH) |
| CARICACEAE Dumort. | Carica papaya L. | Pape | Tree, s | ml | Ad | Fr, V | Kamrul 2259 (JUH) |
| CUCURBITACEAE Juss. | Coccinia grandis (L.) Voigt | Telakucha | Herb, cl | gl, rs | Ad, Ku | M | Kamrul 2055 (JUH) |
| Gynostemma pentaphyllum (Thunb.) Makino | Gymnopada | Herb, cr | fv | Ad | M | Kamrul 466 (JUH) |
| Hodgsonia macrocarpus (Blume) Cogn.* | Makal maco | Liana | sb | Ad | M | Kamrul 2153 (JUH) |
| Luffa cylindrica (L.) M. Roem. | Dhundal | Herb, cl | ht | Ku | V, M | Kamrul 1569 (JUH) |
| Momordica charantia L. | Karola | Herb, cl | ml (cl) | Ad | V | Kamrul 2053 (JUH) |
| M. dioica Roxb. ex Willd. | Ghee korolla | Herb, cl | ml (cl) | Ad | V, M | Kamrul 2054 (JUH) |
| Makia madrasapathana (L.) M. Roem. | Bilari | Herb, cl | gl, wd | Ad | M | Kamrul 1425 (JUH) |
| Thladiantha cordifolia (Blume) Cogn. | - | Herb, cl | sj | Ad | - | Kamrul 1423 (JUH) |
| Trichosanthes tricuspidata Lour. | Makal | Herb, cl | wd | All beats | - | Kamrul 1438 (JUH) |
| BEGONIACEAE C. Agardh | Begonia annulata K. Koch. | Gonibata | Herb, e | sj | Ad | O, V | Kamrul 1908 (JUH) |
| B. roxburghii (Miq.) A.DC. | Gonorakto | Herb, e | sj | All beats | O, V | Kamrul 825 (JUH) |
| CAPPARACEAE Juss. | Stixis suaveolens (Roxb.) Pierre | Madhumaloti | Herb, cl | wd, rb | All beats | Fr | Kamrul 05 (JUH) |
| Scientific name                   | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|----------------------------------|-------------|-------|---------|----------|------|-----|
| **BRASSICACEAE** Burnett         |             |       |         |          |      |     |
| *Rorippa indica* (L.) Hiern       | Bansarisha  | Herb, e | wd      | Ka       | -    | Kamrul 2240 (JUH) |
| **SAPOTACEAE** Juss.             |             |       |         |          |      |     |
| *Madhuca longifolia* (J. Koenig ex L.) J.F. Mohua Macbr. | Tree, m | ml, (pl) | Ad | M | Kamrul 2190 (JUH) |
| *Minusops elongi* L.             | Bokul       | Tree, m | ml, (pl) | Ad | M, T | Kamrul 2192 (JUH) |
| **EBENACEAE** Gürke              |             |       |         |          |      |     |
| *Diospyros malabarica* (Desr.) Kostel. | Deshi gab | Tree, l | ml | Ad | M | Kamrul 2241 (JUH) |
| **STYRACACEAE** DC. & Spreng.    |             |       |         |          |      |     |
| *Styra serrulatus* Roxb.         | Kumjomeva   | Tree, m | wd | All beats | - | Kamrul 486 (JUH) |
| **SYMPOCACEAE** Desf.            |             |       |         |          |      |     |
| *Symlocos macrophylla* Wall, ex A.DC. * Barabahuri | Tree, m | hs | Ad | - | Kamrul 536 (JUH) |
| **PRIMULACEAE** Batsch ex Borkh. |             |       |         |          |      |     |
| *Adelsia sanguinolenta* Blume    |             | -     | Shrub   | wd | Ad, Ka | M | Kamrul 1121 (JUH) |
| *Embelia ribes* Burm. f.         | Bakul lata  | Shrub | fv      | Ad | M, Fr | Kamrul 1252 (JUH) |
| *Hymenandra wallachii* A. DC.    | Bhuja jawa  | Shrub | wd | Ad, Ku | - | Kamrul 301 (JUH) |
| *Maesa Bengalensis* Mez.         | Banglauni   | Tree, s | wd | Ad | - | Kamrul 1411 (JUH) |
| *M. chrysanthus* Buch.-Ham. ex D. Don | Ganglu lata | Shrub | wd | All beats | - | Kamrul 1660 (JUH) |
| *M. indica* (Roxb.) A. DC.       | Sesa        | Shrub | wd | All beats | M, V | Kamrul 966 (JUH) |
| *M. ramentacea* (Roxb.) A. DC.   | Nua-maricha | Shrub | wd | All beats | M | Kamrul 544 (JUH) |
| **CRASSULACEAE** J.St.-Hi.       |             |       |         |          |      |     |
| *Bryophyllum pinnatum* (Lam.) Oken | Pathorkuchi | Herb, cr | ml | Ad | O, M | Kamrul 2242 (JUH) |
| **ROSACEAE** Juss.               |             |       |         |          |      |     |
| *Pranum ceylanica* Miq.          | Ceylon cherry | Tree, s | sj | Ad | O, Sw | Kamrul 1587 (JUH) |
| *Rubus hesagynus* Roxb.          | Hirachura   | Shrub | hs | Ad | - | Kamrul 1328 (JUH) |
| *Rosa chinensis* Jacq            | Kata golap  | Shrub | ml | Ad | O | Kamrul 1106 (JUH) |
| **MIMOSACEAE** R.Br.             |             |       |         |          |      |     |
| *Minosia pudica* L.              | Lajaboti     | Shrub | ml, sj | All beats | M | Kamrul 433 (JUH) |
| *Acacia auriculiformis* A.Cunn. ex Benth. | Akashmoni | Tree, l | ml (pl) | All beats | T | Kamrul 1450 (JUH) |
| *A. mangium* Wild.               | Mangium     | Tree, l | ml (pl) | All beats | T | Kamrul 2112 (JUH) |
| *Entada phasrodoides* (L.) Merr. | Gila        | Liana | wd | All beats | M, Co | Kamrul 117 (JUH) |
| **CAESALPINIACEAE** R.Br.         |             |       |         |          |      |     |
| *Cassia fistula* L.              | Bandar lathi | Tree, m | wd | All beats | M, St | Kamrul 1212 (JUH) |
| *Calocephalium* (L.) Roxb.       | Nata        | Shrub, sc sj | Ka | M | Kamrul 1223 (JUH) |
| *C. enneaphyllum* Roxb.          | Nataine     | Herb, e | sj | Ka | O | Kamrul 1014 (JUH) |
| *Delonix regia* (Bojer ex Hook.) Raf. | Kuishnachura | Tree, m | ml (pl) | Ka | O, Sw | Kamrul 2150 (JUH) |
| *Senna alata* (L.) Roxb.         | Dadmarthan  | Shrub | ml, rs | Ka | M | Kamrul 734 (JUH) |
| *S. siamea* (Lam.) H.S. Irwin & Barneby | Minjiri     | Tree, s | rs | All beats | O | Kamrul 561 (JUH) |
| *S. sophora* (L.) Roxb.          | Kalkashunda | Shrub | ml, sj | Ka | M | Kamrul 1807 (JUH) |
| *S. tora* (L.) Roxb.             | Teresena    | Herb, e | ml, rs | All beats | M | Kamrul 375 (JUH) |
| *Tamarindus indica* L.           | Tetul       | Tree, l | ml (pl) | Ka | Fr | Kamrul 580 (JUH) |
| **FABACEAE** Lindl.              |             |       |         |          |      |     |
| *Cajanus scarabaeoides* (L.) Thouars | Orhor      | Shrub | hs | Ka | M | Kamrul 2134 (JUH) |
| *Dalbergia stipulacea* Roxb.     | Dadbari     | Herb, e | wd | All beats | M | Kamrul 1111 (JUH) |
| *Dalhousia bracteata* (Roxb.) Graham ex Benth.* | Gupuri   | Shrub | rb, wd | Ad | - | Kamrul 1586 (JUH) |
| *Derris robusta* (Roxb. ex DC.) Benth. | Korai      | Tree, l | hs | All beats | - | Kamrul 1286 (JUH) |

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Table 1 Contd.

| Scientific name | Bangla name   | Habit | Habitat | Distrib. | Uses | RSE       |
|------------------|---------------|-------|---------|----------|------|-----------|
| Desmodium gangeticum (L.) DC. | Chalani | Shrub | rs, ml | All beats | M    | Kamrul 500 (JUH) |
| D. heterophyllum (Willd.) DC. | Bon motorsuti | Herb, pr | rs | All beats | M    | Kamrul 1006 (JUH) |
| D. heterocarpon (L.) DC. | Karpo modi | Shrub | fe | All beats |    - | Kamrul 752 (JUH) |
| D. laxiflorum DC. | Laximodi | Shrub | wd | All beats | M    | Kamrul 839 (JUH) |
| Tadehagi triquetrum (L.) H. Ohashi | Kanimanda | Shrub | hs | Ad |    - | Kamrul 1153 (JUH) |
| Erythrina variegata L. | Bahari mander | Tree, m | ml | Ad | O, T, | Kamrul 1461 (JUH) |
| Desmodium gangeticum | | Chalani | Shrub | rs, ml | All beats | M    | Kamrul 500 (JUH) |
| D. heterophyllum | | Bon motorsuti | Herb, pr | rs | All beats | M    | Kamrul 1006 (JUH) |
| D. heterocarpon | | Karpo modi | Shrub | fe | All beats |    - | Kamrul 752 (JUH) |
| D. laxiflorum | | Laximodi | Shrub | wd | All beats | M    | Kamrul 839 (JUH) |
| Tadehagi triquetrum | | Kanimanda | Shrub | hs | Ad |    - | Kamrul 1153 (JUH) |
| Erythrina variegata L. | | Bahari mander | Tree, m | ml | Ad | O, T, | Kamrul 1461 (JUH) |
| Flemingia involucrata Benth. | Vulk phan | Shrub | wd | All beats |    - | Kamrul 2115 (JUH) |
| F. macrophylla (Willd.) Kunze ex Merr. | Baro salpan | Shrub | wd | All beats | Dy  | Kamrul 147 (JUH) |
| F. strobilifera (L.) W.T. Aiton | Chingri pata | Shrub | ml | All beats | M    | Kamrul 925 (JUH) |
| Indigofera zollingeriana | Gerina nil | Shrub | fe | All beats | St  | Kamrul 56 (JUH) |
| Lathyrus sativus L. | Khesari | Herb, e | ml (cl) | Ad | Dy, Pu | Kamrul 1708 (JUH) |
| Millettia pachycarpa Benth. | Liana | Herb, e | sj | Ad | I    | Kamrul 1388 (JUH) |
| Mucuna pruriens | Alkushi | Herb, e | sj | Ad | M    | Kamrul 392 (JUH) |
| Pueraria phaseoloides (Roxb.) Benth. | Mugi kunch | Herb, e | sj | All beats | Di, Gm | Kamrul 1091 (JUH) |
| Spaltholobus parviflorus (DC.) Kunze | Pan lata | Herb, e | sj | Ad | M, Du | Kamrul 1389 (JUH) |
| Tephrosia candida (Roxb.) DC. | Bilakshani | Herb, e | rs | Ad | M    | Kamrul 1034 (JUH) |
| Usoria crinita (L.) Desv. ex DC. | Diangleja | Shrub | sj | Ad | M    | Kamrul 424 (JUH) |
| Vigna mungo (L.) Hepper | Maskalay | Herb, e | ml (cl) | Ad | Pu  | Kamrul 1087 (JUH) |
| Duabanga grandiflora (Roxb. ex DC.) Walp. | Bandorhola | Tree, l | fv, rb | Ad | T    | Kamrul 1481 (JUH) |
| Ammannia multiflora Roxb. | Acidpata | Herb, e | fv | Ad |    - | Kamrul 1858 (JUH) |
| Lagerstroemia speciosa (L.) Pers. | Jarul | Tree, m | ml | All beats | O, T, | Kamrul 289 (JUH) |
| Lawsonia inermis L. | Mendi | Shrub | ml | Ka | Dy  | Kamrul 1290 (JUH) |
| Rotala indica (Willd.) Koehne | Deshi ghurni | Herb, cr | ml | All beats |    - | Kamrul 1140 (JUH) |
| R. rotundifolia | Dim ghurni | Herb, cr | ml | All beats |    - | Kamrul 6 (JUH) |
| Ludwigia octovalvis (Jacq.) P.H.Raven | Bhuikura | Herb, e | ml | Ad |    - | S.N.Uddin N4779 (DACB) |
| L. perennis L. | Amorkura | Herb, e | ml | All beats |    - | Kamrul 144 (JUH) |
| Melastoma malabathricum L. | Ban tejpata | Shrub | Wd, fe, ml | All beats | M    | Kamrul 10 (JUH) |
| Osbeckia nepalensis Hook.f. | Nepaligachi | Shrub | Wd, fe | Ad |    - | Kamrul 1828 (JUH) |
| Scientific name                                | Bangla name   | Habit   | Habitat | Distrib. | Uses | RSE  |
|-----------------------------------------------|---------------|---------|---------|----------|------|------|
| **COMBRETACEAE R. Br.**                       |               |         |         |          |      |      |
| Combretum acuminatum Roxb.                    | Patyuni       | Shrub   | wd      | All beats | -    | Kamrul 2248 (JUH) |
| C. roxburghii Spreng.                         | Kaligaichi    | Herb, e | wd      | Ad       | -    | Kamrul 1033 (JUH) |
| C. wallichii DC.                              | Yunanlata     | Herb, e | wd      | Ad       | -    | Kamrul 178 (JUH)  |
| Terminalia arjuna (Roxb. ex DC.) Wight Arjun  | Tree, l       |         |         |           |      |      |
| & Arn.                                        |               |         |         |          |      |      |
| T. bellirica (Gaertn.) Roxb.                  | Bohera        | Tree, l | rs      | Ka       | M    | Kamrul 582 (JUH)  |
| T. catappa L.                                 | Kathbadam     | Tree, l | rs      | Ka       | M    | Kamrul 2152 (JUH) |
| T. chebula Retz.                              | Horitoki      | Tree, l | wd      | Ka       | M    | Kamrul 583 (JUH)  |
| **RHIZOPHORACEAE Pers.**                      |               |         |         |          |      |      |
| Carallia brachiata (Lour.) Merr.              | Rascow        | Tree, m | wd      | Ad       | T, M | Kamrul 860 (JUH)  |
| **OLACACEAE Juss. ex R. Br.**                 |               |         |         |          |      |      |
| Olax acuminata Wall. ex Benth.                | Capsul gach   | Shrub   | sj      | All beats | -    | Kamrul 349 (JUH)  |
| **LORANTHACEAE Juss.**                        |               |         |         |          |      |      |
| Helixanthera parasitica Lour.                 | Xanthric      | Shrub   | hs      | Ad       | -    | Kamrul 1299 (JUH) |
| Macrosolen cochinchinensis (Lour.) Tiegh.      | Chota banda   | Shrub   | wd      | Ad       | -    | Kamrul 1104 (JUH) |
| Scarrula parasitica L.                        | Pargacha      | Shrub   | hs      | Ad       | -    | Kamrul 1088 (JUH) |
| **CELASTRACEAE R.Br.**                        |               |         |         |          |      |      |
| Bhesa robusta (Roxb.) Ding Hou*               | Madhu-phal    | Tree, m | wd      | Ad       | T    | Kamrul 1097 (JUH) |
| **HIPPOCRATEACEAE Juss.**                     |               |         |         |          |      |      |
| Salacia chinensis L.                          | Vesa          | Shrub, sc | wd | Ad | M, Fr | Kamrul 1237 (JUH) |
| **AQUIFOLIACEAE Bercht. & J. Presl**          |               |         |         |          |      |      |
| Ilex godajam (Colebr. ex Wall.) Wall. ex Raktim Hook. f. | Shrub | hs | Ad | Fw | Kamrul 1777 (JUH) |
| **EUPHORBIACEAE Juss.**                       |               |         |         |          |      |      |
| Acalypha indica L.                            | Muktajhuri    | Herb, e | ml      | All beats | M    | Kamrul 2159 (JUH) |
| Actephila excelsa (Dalzell) Müll.-Arg.        | Lalsa         | Shrub   | hs      | Ku       | V, M | Kamrul 1577 (JUH) |
| Alchornea tiliifolia (Benth.) Müll.-Arg.      | Alkoti        | Shrub   | sj, fv  | Ad       | Fw   | Kamrul 2162 (JUH) |
| Antidesma acidum Retz.                        | Titij am      | Shrub   | wd      | All beats | Fr   | Kamrul 649 (JUH)  |
| A. gaesembilla Gaertn.                        | Khudi jam     | Tree, s | wd      | Ad       | M    | Kamrul 921 (JUH)  |
| A. montanum Blume                             | Shial buka    | Shrub   | wd      | All beats | Fr   | Kamrul 366 (JUH)  |
| Aporosa wallichii Hook. f.                    | Kokua         | Tree, s | wd      | All beats | -    | Kamrul 154 (JUH)  |
| Biscofia javanica Blume                       | Kainjal       | Tree, s | fe      | Ad       | T, M | Kamrul 1396 (JUH) |
| Bridelia tomentosa Blume                      | Khoi          | Shrub   | sj      | All beats | M    | Kamrul 1103 (JUH) |
| Baccaraurea ramiflora Lour.                   | Latkan        | Tree, m | wd      | Ad       | Fr, M | Kamrul 1476 (JUH) |
| Chaetocarpus castanocarpus (Roxb.) Thwaites   | Dhala kakua   | Tree, m | wd      | Ad       | -    | Kamrul 143 (JUH)  |
| Cnemone javanica Blume                        | Chutra        | Shrub   | Sj, ht  | All beats | M    | Kamrul 383 (JUH)  |
| Creton bonplandianus Baill.                   | Banmarich     | Herb, e | ml, rs  | All beats | M    | Kamrul 481 (JUH)  |
| Baliospermum solanifolium (Burm.) Suresh      | Chuka         | Shrub   | rb      | Ad       | M    | Kamrul 125 (JUH)  |
| Euphorbia hirta L.                            | Bara dudhia   | Herb, pre ml, rs | All beats | M    | Kamrul 2164 (JUH) |
| Glochidion multiloculare (Rottler ex Wild.) Voigt | Aniatori  | Shrub   | hs      | All beats | T    | Kamrul 32 (JUH)   |
| Macaranga indica Wight.                       | Guile         | Tree, s | wd      | All beats | M    | Kamrul 1231 (JUH) |
| Phyllanthus emblica L.                        | Amloki        | Tree, m | sj      | Ka       | Fr, M | Kamrul 554 (JUH)  |
| P. niruri L.                                  | Bhuiamla      | Herb, e | ml      | Ad       | M    | Kamrul 760 (JUH)  |
| P. reticulatus Poir.                          | Pankushi      | Shrub   | sj, rb  | All beats | M    | Kamrul 1499 (JUH) |
Table 1 Contd.

| Scientific name                              | Bangla name | Habit | Habitat | Distrib. | Uses | RSE  |
|----------------------------------------------|-------------|-------|---------|----------|------|------|
| *P. urinaria* L.                            | Hazarmani   | Herb, e | sj      | Ad       | M    | Kamrul 79 (JUH) |
| *Suregada multiflora* (A.Juss.) Baill.       | Ban naranga | Tree, s | wd      | Ad       | T    | Kamrul 226 (JUH) |
| *Ricinus communis* L.                        | Bherenda    | Shrub  | wd      | Ad       | M    | Kamrul 2167 (JUH) |
| *Sauropsis androgynus* (L.) Merr.            | Mithapotro  | Shrub  | wd      | Ad       | M    | Kamrul 1397 (JUH) |
| **RHAMNACEAE** Juss.                         |             |       |         |          |      |                  |
| *Gouania illifolia* Lam.                     | Herjengota  | Shrub  | sj      | Ad, Ku   | V    | Kamrul 1901 (JUH) |
| *Ziziphus mauritiana* Lam.                   | Bol boroi   | Tree, s | ml      | All beats | M    | Kamrul 571 (JUH) |
| *Z. oenopolia* (L.) Mill.                    | Ban boroi   | Shrub  | sj      | All beats | M    | Kamrul 482 (JUH) |
| **LEEACEAE** Dumort.                         |             |       |         |          |      |                  |
| *Leea guineensis* G. Don.                    | -           | Shrub  | hs      | All beats | -    | Kamrul 604 (JUH) |
| *L. indica* (Burn.f.) Merr.                  | Kurkurjhibba| Shrub  | fv      | All beats | M    | Kamrul 241 (JUH) |
| **VITACEAE** Juss.                           |             |       |         |          |      |                  |
| *Ampelocissus latifolia* (Roxb.) Planch.     | Gowalia lata| Herb, c | rb, sj  | Ad       | -    | Kamrul 2204 (JUH) |
| *Cissus javana* DC.                          | Dukhu lata  | Liana  | wd      | All beats | O    | Kamrul 702 (JUH) |
| *C. adnata* Roxb.                            | Bhaitia lata| Liana  | wd      | All beats | M    | Kamrul 639 (JUH) |
| *Cayratia japonica* (Thunb.) Gagnep.         | Japani gooli lata | Herb, cl | rb   | Ad       | M    | Kamrul 508 (JUH) |
| *C. trifolia* (L.) Domin                      | Amal lata   | Herb, cl | rb    | All beats | M    | Kamrul 1118 (JUH) |
| *Tetrastigma lanceolarium* (Roxb.) Planch.   | -           | Herb, c | ht     | Ad       | -    | Kamrul 1589 (JUH) |
| Planch.                                      |             |       |         |          |      |                  |
| *T. leucostaphylum* (Dennst.) Alston         | Horina lata | Shrub  | wd      | Ad, Ku   | -    | Kamrul 739 (JUH) |
| **POLYGALACEAE** Hoffmanns. & Link           |             |       |         |          |      |                  |
| *Polygala chinensis* L.                      | Meradu      | Herb, pr| hs, sj  | Ka       | M    | Kamrul 1428 (JUH) |
| *P. erioptera* DC.                           | Teradudhi   | Herb, pr| ml     | All beats | -    | Kamrul 2188 (JUH) |
| **STAPHYLEACEAE** Martinov                   |             |       |         |          |      |                  |
| *Turpinia pomifera* (Roxb.) DC.              | Bhola       | Tree   | wd      | Ad       | Fd,  | Kamrul 1459 (JUH) |
| Planch.                                      |             |       |         |          |      |                  |
| *T. leucostaphylum* (Dennst.) Alston         |             |       |         |          |      |                  |
| **SAPINDACEAE** Juss.                        |             |       |         |          |      |                  |
| *Allophylus cobbe* (L.) Raeusch.             | Chita       | Shrub  | wd      | All beats | -    | Kamrul 719 (JUH) |
| *Lepisanthes senegalensis* (Poir.) Leenh.    | Chita       | Shrub  | wd      | Ad, Ku   | -    | Kamrul 1029 (JUH) |
| *Litchi chinensis* Sonn.                     | Lichu       | Tree, l | ml (pl) | Ad       | Fr   | Kamrul 2189 (JUH) |
| **BURSERACEAE** Kunth                        |             |       |         |          |      |                  |
| *Garuga pinnata* Roxb.                       | Paharijiga  | Tree, m | md     | All beats | T, M | Kamrul 780 (JUH) |
| **ANACARDIACEAE** R. Br.                     |             |       |         |          |      |                  |
| *Anacardium occidentale* L.                  | Kaju.       | Tree, m | rs     | Ka       | Fr   | Kamrul 1201 (JUH) |
| *Lannea coronandelaica* (Houtt.) Merr.       | Jiga        | Tree, m | rs     | Ad       | M    | Kamrul 1451 (JUH) |
| *Mangifera indica* L.                        | Aam         | Tree, l | ml     | All beats | Fr   | Kamrul 1195 (JUH) |
| **MELIACEAE** Juss.                          |             |       |         |          |      |                  |
| *M. sylvestris* Roxb. *                      | Jangli aam  | Tree, m | md     | Ad       | Fr   | Kamrul 1444 (JUH) |
| *Hologarna caustica* (Dennst.) Oken.*        | Jaowa       | Tree, m | hs     | Ad       | T    | Kamrul 220 (JUH) |
| *Rhus succedanea* L.                         | Kakuasingh  | Tree, l | wd     | Ad       | Fr   | Kamrul 1377 (JUH) |
| *Pegia nitida* Celebr.                       | Tapir       | Shrub  | hs, wd  | Ad       | Fr, M| Kamrul 168 (JUH) |
| **RUTACEAE** Juss.                           |             |       |         |          |      |                  |
| *Apkamna mixis* polyphylla (Wall.) R.Parker  | Pitraj      | Tree, l | md     | All beats | T, M | Kamrul 850 (JUH) |
| *Azadirachta indica* A.Juss.                 | Neem        | Tree, l | ml, rs | Ad       | M, T | Kamrul 1240 (JUH) |
| *Swietenia mahagoni* (L.) Jacq.              | Mahogini    | Tree, l | ml, rs | Ad, Ka   | T    | Kamrul 1283 (JUH) |
| *S. macrophylla* King                        | Bara mahogoni | Tree, l | ml     | Ad, Ka   | T    | Kamrul 1089 (JUH) |
| *Dysoxylum gotadhora* (Buch.-Ham.) Mabb.     | Rata        | Tree, l | ht     | Ad, Ku   | T    | Kamrul 1415 (JUH) |
### Table 1 Contd.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| *Toona ciliata* M. Roem. | Toon | Tree, m | wd | Ad | T, M | Kamrul 1078 (JUH) |
| *Walsura robusta* Roxb. | Bonilichu | Tree, m | rb | Ad | T | Kamrul 1358 (JUH) |
| **RUTACEAE** Juss. | | | | | | |
| *Aegle marmelos* (L.) Corrêa | Bel | Tree, m | ml | Ad | M, Fr | Kamrul 2078 (JUH) |
| *Acronychia pedunculata* (L.) Miq. | Bon jamir | Shrub | hs | All beats | Fr | Kamrul 541 (JUH) |
| *Clausena anisata* (Wild.) Hook. f. ex Benth. | Kalo-maricha | Shrub | wd | All beats | - | Kamrul 112 (JUH) |
| *Citrus medica* L. | Pani lebu | Shrub | wd | Ad, Ku | Pe, M | Kamrul 1171 (JUH) |
| *Glycosmis pentaphylla* (Retz.) DC. | Datmajani | Shrub | wd | Ad, Ku | M | Kamrul 815 (JUH) |
| *Micromelum minutum* Wight & Arn. | Dulia | Tree, s | wd | All beats | M | Kamrul 244 (JUH) |
| **OXALIDACEAE** R. Br. | | | | | | |
| *Oxalis corniculata* L. | Amrul | Herb, pr, op, rs | Ad, Ku | V, M | Kamrul 1155 (JUH) |
| **ARALIACEAE** Juss. | | | | | | |
| *Brassaiopsis glomerulata* (Blume) Regel | Kurila | Tree, s | wd, hs | All beats | M, O | Kamrul 1384 (JUH) |
| **APIACEAE** Lindl. | | | | | | |
| *Centella asiatica* (L.) Urb. | Thankuni | Herb, cr, ml | All beats | M | Kamrul 972 (JUH) |
| *Eryngium foetidum* L. | Ginashak | Shrub | ml (cl) | All beats | Sp, M | Kamrul 1134 (JUH) |
| **BUDDLEJACEAE** Wilh. | | | | | | |
| *Buddleja asiatica* Lour. | Neemada | Shrub | wd | All beats | M, Pe | Kamrul 775 (JUH) |
| **GENTIANACEAE** Juss. | | | | | | |
| *Canscora andrographioides* Griff. ex C.B. Clarke * | Andakuni | Herb, cr | fV, ml | Ad | - | Kamrul 164 (JUH) |
| *C. alata* (Roth ex Roem. & Schult.) Wall. | Dhankuni | Herb, e | ml, rs | All beats | M | Kamrul 2068 (JUH) |
| **APOCYNACEAE** Juss. | | | | | | |
| *Holarrhena pubescens* Wall. ex G. Don | Kurchi | Shrub | sj | Ad | M | Kamrul 1823 (JUH) |
| *Ichnocarpus frutescens* (L.) W.T. Aiton | Parallia lata | Herb, c | fe | All beats | M | Kamrul 431 (JUH) |
| *Rauvolfia serpentina* (L.) Benth. ex Kurz * | Sarpagandha | Herb, e | ht | Ad | M | Kamrul 737 (JUH) |
| **ASCLEPIADACEAE** Borkh. | | | | | | |
| *Gyn克拉 acuminatum* Wall. | Liana | Liana | fe | Ad | | Kamrul 981 (JUH) |
| *Hoya parasitica* Wall. ex Wight | Pargacha | Herb, ps | wd | All beats | M | Kamrul 1276 (JUH) |
| **SOLANACEAE** Juss. | | | | | | |
| *Datura metel* L. | Dhuutra | Shrub | sj | Ad | M | Kamrul 2079 (JUH) |
| *Nicotiana plumbaginifolia* Viv. | Ban tamak | Herb, e | All beats | - | Kamrul 2198 (JUH) |
| *Solanum torvum* Sw. | Gota begun | Herb, e | sj | All beats | - | Kamrul 2196 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| *S. americanum* Mill. | Tit-begun | Herb, e | sj | All beats | M | Kamrul 1348 (JUH) |
| *Physalis angulata* L. | Futka | Herb, e | rs | Ad | - | Kamrul 2200 (JUH) |
| **CONVOLVULACEAE** Juss. | | | | | | |
| *Argyreia argentea* (Roxb.) Sweet | Boro rupatala | Herb, c | sj | All beats | - | Kamrul 394 (JUH) |
| *A. capitiformis* (Poir.) Ooststr. | Bbijarak | Herb, c | fe | All beats | M | Kamrul 124 (JUH) |
| *Cuscuta reflexa* Roxb. | Samaralata | Herb, ps | ml | All beats | M | Kamrul 1463 (JUH) |
| *Evolutus nummularius* (L.) L. | Bhsikokua | Herb, Cr | sj | Ad | M | Kamrul 2146 (JUH) |
| *Ipomoea aquatica* Forrsk. | Kol mishak. | Herb, a | ml | Ad | V | Kamrul 2131 (JUH) |
| *I. alba* L. | Dadi kolmi | Herb, cr | rb | Ad | M | Kamrul 2130 (JUH) |
| *I. batatas* (L.) Lam. | Shakalo | Herb, cr | rb | Ad | M | Kamrul 2132 (JUH) |
| *I. cairica* (L.) Sweet | Rail lati | Herb, cr | sj | Ad | - | Kamrul 1049 (JUH) |
| *I. carnea* Jacq. | Dhol kolmi | Shrub | ml | Ad | - | Kamrul 980 (JUH) |
| *Merremia umbellata* (L.) Hallier f. | Sada kalmi | Herb, cr | rs, fv | All beats | M | Kamrul 17 (JUH) |
| **MENYANTHACEAE** Dumort. | | | | | | |
| *Nymphoides hydrophilla* (Lour.) Kuntze | Chadmala | Herb, a | ml | Ad, Ku | Fd | Kamrul 728 (JUH) |
| **HYDROPHYLLACEAE** R. Br. | | | | | | |
| *Hydrolea zeylanica* (L.) Vahl | Kasshara | Herb, a | ml | All beats | M | Kamrul 901 (JUH) |
| **BORAGINACEAE** Juss. | | | | | | |
| *Cordia dichotoma* G. Forst. | Boula | Tree, m | rb | All beats | M | Kamrul 2144 (JUH) |
| *Heliotropium indicum* L. | Hatisur | Herb, e | sj | All beats | M | Kamrul 2147 (JUH) |
| **VERBENACEAE** J.St.-Hil. | | | | | | |
| *Lantana camara* L. | Kutuskanta | Shrub | wd, fe, ml | All beats | M | Kamrul 16 (JUH) |
| **LAMIACEAE** Martinov | | | | | | |
| *Callicarpa arborea* Roxb. | Barmala | Tree | ht | All beats | M | Kamrul 499 (JUH) |
| *C. longifolia* Lam. | Lamarck | Shrub | wd | Ad, Ku | - | Kamrul 1354 (JUH) |
| *Clarkendendrum indicum* (L.) Kuntze | Bananmatti | Shrub | wd, fe | Ad | M | Kamrul 1059 (JUH) |
| *C. infortunatum* L. | Bhat | Shrub | wd, fe | All beats | - | Kamrul 13 (JUH) |
| *C. laevifolium* Blume | Mali bong | Shrub | wd, fe | Ad | O | Kamrul 59 (JUH) |
| *Gmelina arborea* Roxb. ex Sm. | Gamari | Tree, m | hs | All beats | T, M | Kamrul 1219 (JUH) |
| *Gomphostemma salarkhania* Khanam & Kanimala | | | | | | |
| *Hassan* | | | | | | |
| *Hypis brevipes* Poit. | Gol-tokma | Herb, e | sj, wd | All beats | M | Kamrul 43 (JUH) |
| *H. suaveolens* (L.) Poit. | Tokma | Herb, e | sj | Ad, Ka | M | Kamrul 994 (JUH) |
| *Lewcas zeylanica* (L.) W. T. Aiton | Dondokalosh | Herb, e | ml | All beats | M | Kamrul 256 (JUH) |
| *Mosla dianthera* (Buch.-Ham. ex Roxb.) Mohla | Moshla | Herb, e | sj | Ka | M | Kamrul 1064 (JUH) |
| Maxim. | | | | | | |
| *Ocimum gratissimum* L. | Ram talsi | Shrub | ml | All beats | M | Kamrul 1131 (JUH) |
| *O. tenuiflorum* L. | Kalol talsi | Herb, e | sj | Ad | M | Kamrul 2061 (JUH) |
| *Pogostemon auriculatus* (L.) Hassk. | Aripachuli | Herb, e | wt | Ad, Ku | M | Kamrul 37 (JUH) |
| *Rochetia serrata* (L.) Steane & Mabb. | Bamanhati | Shrub | wd | Ad | M | Kamrul 120 (JUH) |
| **OLEACEAE** Hoffmans. & Link | | | | | | |
| *Jasminum sambac* (L.) Aiton | Beli | Shrub | fe | All beats | O | Kamrul 1004 (JUH) |
| *J. scandens* (Retz.) Vahl | Jua | Shrub | hs | All beats | - | Kamrul 142 (JUH) |
| *Mysopyrum smilacifolium* (Wall.) Blume | Chiknabizi | Herb, e | wd | All beats | - | Kamrul 607 (JUH) |
| *Nyctanthes arbor-tristis* L. | Shelyul | Tree, m | wd | Ad, T, M | | Kamrul 1149 (JUH) |
| *Premna esculenta* Roxb. | Lalang | Shrub | ht, rs | All beats | V, O | Kamrul 323 (JUH) |
| *Tectona grandis* L.f. | Shegul | Tree, l | wd | All beats | T | Kamrul 489 (JUH) |
| *Vitex negundo* L. | Nishinda | Tree, s | rb | All beats | M | Kamrul 588 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| *V. peduncularis* Wall. ex Schauer | Awal | Tree, m | ht, hs | All beats | T | Kamrul 1257 (JUH) |
| *V. pinnata* L. | Selawal | Tree, m | hs, fe | Ad | - | Kamrul 1413 (JUH) |
| **PLANTAGINACEAE** Juss. | | | | | | |
| *Linomphila rugosa* (Roth) Merr. | Bandha keshori | Herb, e | ml | All beats | M | Kamrul 1128 (JUH) |
| *Mecardonia procumbens* (Mill.) Small | Ada bimi | Herb, e | ml | Ad | - | Kamrul 135 (JUH) |
| *Scoparia dulcis* L. | Bondhone | Herb, e | ml, rs | All beats | M | Kamrul 796 (JUH) |
| **LINDERNIACEAE** Borsch, Kai Müll. & Eb. Fisch. | | | | | | |
| *Lindernia ciliata* (Colsm.) Pennell | Bhui papri | Herb, pr | rb, fe, hs | All beats | - | Kamrul 755 (JUH) |
| *L. antipoda* (L.) Alston | Herb, pr | sj, gl | | All beats | - | Kamrul 373 (JUH) |
| *Torenia fournieri* Lindén ex E.Fourn. | Neritoren | Herb, pr | sj | All beats | O | Kamrul 19 (JUH) |
| **OROBACKRACEAE** Vent. | | | | | | |
| *Aeginaea indica* L. | Agenata | Herb, ps | hs | Ad | O | Kamrul 1380 (JUH) |
| **ACANTHACEAE** Juss. | | | | | | |
| *Acanthus leucostachyus* Wall. ex Nees | Kastacha | Shrub | wd | Ad | M | Kamrul 1217 (JUH) |
| *Andrographis paniculata* (Burm.f.) Wall. | Kalomegh | Herb, e | sj | Ad, Ka | M | Kamrul 2081 (JUH) |
| ex Nees | | | | | | |
| *Blepharis integrifolia* (L.f.) E.Mey. & Drège ex Schinz. | Dishi blephar | Herb, e | sj | Ad | - | Kamrul 1143 (JUH) |
| *Eranthemum strictum* Colebr. ex Roxb. | Khara murali | Shrub | wd | All beats | - | Kamrul 1161 (JUH) |
| *Hygrophila polypoema* (Roxb.) T. Anderson | Murmura | Herb, e | ml | Ad | - | Kamrul 1661 (JUH) |
| *Lepidagathis incurva* Buch.-Ham. ex D.Don | Linagathis | Herb, e | sj | All beats | - | Kamrul 905 (JUH) |
| *Nelsonia canescens* (Lam.) Spreng | Paramul | Herb, e | ml | All beats | - | Kamrul 182 (JUH) |
| *Phlogacanthus curviflorus* (Wall.) Nees | Agnilora | Shrub | fe | Ad | O | Kamrul 1163 (JUH) |
| *P. thyrsiformis* (Roxb. ex Hardw.) Mabb. | Rambasak | Shrub | fe | Ad | M | Kamrul 108 (JUH) |
| *P. tubiflorus* Nees | Aqnihasak | Shrub | fe | Ad | - | Kamrul 121 (JUH) |
| *Phaulopsis imbricata* (Forssk.) Sweet Hort. | Kantasi | Herb, e | sj | All beats | - | Kamrul 2067 (JUH) |
| *Rungia pectinata* (L.) Nees | Pindi | Herb, pr | ml | All beats | M | Kamrul 1975 (JUH) |
| *Staurogyne argentea* Wall. | - | Herb, e | hf | All beats | - | Kamrul 811 (JUH) |
| *S. polybotyla* Kuntze | Polyygne | Herb, e | ml | Ad | - | Kamrul 1124 (JUH) |
| *S. ceylanica* Kuntze | Cylonygne | Herb, e | ht | Ad | - | Kamrul 1579 (JUH) |
| *Strobilanthes scaber* Nees | Khaskhasabila | Herb, e | sj | All beats | - | Kamrul 132 (JUH) |
| *Thanbergia grandiflora* (Roxb. ex Rottl.) Neel lata | Neel lata | Herb, cl | sp | All beats | O | Kamrul 638 (JUH) |
| **BIGNONIACEAE** Juss. | | | | | | |
| *Stereospermum tetragonum* DC. | Awal | Tree, l | wd | Ad | - | Kamrul 1804 (JUH) |
| **CAMPALUNACEAE** Juss. | | | | | | |
| *Loelbia zeylanica* L. | Cylon lobel | Herb, pr | sj | All beats | - | Kamrul 883 (JUH) |
| **RUBIACEAE** Juss. | | | | | | |
| *Catunaregan spinosa* (Thunb.) Tirveng. | Mankanta | Shrub | rb | Ad | M | Kamrul 1322 (JUH) |
| *Dentella repens* (L.) J.R. Forst. & G.Forst. | Bhuipat | Herb, pr | sj | Ad, Ku | - | Kamrul 45 (JUH) |
| *Gardenia coronaria* Buch.-Ham. | Sigtach | Tree, m | hs | Ad | T, Fr | Kamrul 1254 (JUH) |
| *Scleromitrion scabrum* (Wall. ex Kurz) Neupane & N. Wikstrom | - | Herb, e | hs | Ad, Ku | - | Kamrul 46 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|----------------|-------------|-------|---------|----------|------|-----|
| *Hedyotis scandens* Roxb. | Bish lata | Herb, pr | wd | All beats | M | Kamrul 1486 (JUH) |
| *H. verticillata* (L.) Lamk. | - | Herb, pr | wd | All beats | - | Kamrul 1559 (JUH) |
| *Isora acuminata* Roxb. | Nata rangan | Shrub | wd | All beats | O | Kamrul 1164 (JUH) |
| *L. coccinea* L. | Rangan | Shrub | wd | Ad, Ku | O | Kamrul 1288 (JUH) |
| *I. pavetta* Andr. | Ganghalerangan | Shrub | wd | All beats | - | Kamrul 434 (JUH) |
| *L. spectabilis* Wall. ex G.Don | Shum rangan | Shrub | wd | Ad, Ku | - | Kamrul 31 (JUH) |
| *Knoxia sumatrensis* (Retz.) DC | Sumatranoxi | Herb, cr | wd | Ad | - | S.N.Uddin N4744 (DACB) |
| *Lasianthus chrysoneurus* (Korth.) Miq. | Sony lasi | Shrub | wd | Ad | - | Kamrul 1167 (JUH) |
| *Morinda angustifolia* Roxb. | Jangli basok | Tree, s | sj | All beats | M | Kamrul 171 (JUH) |
| *Mussaeada roxburghii* Hook. f. | Sil daura | Shrub | hs | All beats | M | Kamrul 1505 (JUH) |
| *M. frondosa* L. | Nagabali | Shrub | wd | All beats | M | Kamrul 1259 (JUH) |
| *M. macrophylla* Wall. | Baropata | Shrub | wd | All beats | - | Kamrul 25 (JUH) |
| *Mussaenda sp.* | - | Shrub, cl | wd | Ad | - | Kamrul 630 (JUH) |
| *Myosotis longifolia* (Wall.) Kunze | Mycetelon | Shrub | sj | Ad, Ku | - | Kamrul 401 (JUH) |
| *Myrioneuron nutans* R. Br. ex Kurz | Natanran | Shrub | wd | Ad | - | Kamrul 1518 (JUH) |
| *Mitragyna parviflora* (Roxb.) Kor. | Dakrom | Tree, m | ht | Ad | - | Kamrul 2243 (JUH) |
| *Neolamarckia cadamba* (Roxb.) Bosser | Kadam | Tree, l | rs, Ad, Ku | O | Kamrul 297 (JUH) |
| *Ophiopogon mangos* L. | Gandahanakuli | Herb, e | sj | All beats | M | Kamrul 23 (JUH) |
| *Pavetta indica* L. | Kathchaba | Shrub | wd | Ad | M | Kamrul 1309 (JUH) |
| *P. polyantha* (Hook.f.) R. Br. ex Bremek. | Polinaki | Shrub | wd | Ad | - | Kamrul 1609 (JUH) |
| *Psychotria adenophylla* Wall. | Boro sudma | Shrub | wd | All beats | M | Kamrul 131 (JUH) |
| *P. calocarpa* Kurz | Ranga bhutta | Shrub | wd | Ad | M | Kamrul 917 (JUH) |
| *Coffeea benghalensis* B.Heyne ex Schult. | Bonnya kofee | Shrub | hs | Ad | - | Kamrul 1617 (JUH) |
| *Richardia scabra* L. | Nakli ipecc | Herb, e | sj | Ad | - | Kamrul 880 (JUH) |
| *Oxyceros kunstleri* (King & Gamble) | Ichuri | Shrub | wd | Ad | M | Kamrul 874 (JUH) |
| *Tirveng.* | Tulaloo | Tree, l | wd | Ad | - | Kamrul 149 (JUH) |
| *Asteraceae* Bercht. & J. Presl | *Acmea caulirhiza* Delile | Mahatitinga | Herb, pr | fe | All beats | - | Kamrul 194 (JUH) |
| *Adenostemma lavenia* (L.) Kuntze | Baro-kesuti | Herb, e | fe | All beats | - | Kamrul 963 (JUH) |
| *Ageratum conyzoides* L. | Fulluri | Herb, e | rs, sj, ml | All beats | M | Kamrul 08 (JUH) |
| *Blumea lacera* (Burn.f.) DC. | Barokukshim | Herb, pr | rs, sj | All beats | M | Kamrul 1186 (JUH) |
| *Crascocephalum crepidioides* (Benth.) | Dubbeecrepi | Herb, e | fe | All beats | M, V | Kamrul 417 (JUH) |
| *S. Moore* | Rail lata | Shrub | sj, fe | All beats | M | Kamrul 923 (JUH) |
| *Cosmos sulphureus* Cav. | Tara gada | Herb, e | ml (pl) | Ka | O | Kamrul 2251 (JUH) |
| *Cyanthillium cinereum* (L.) H. Rob. | Shialmutra | Herb, e | ml | All beats | M | Kamrul 2142 (JUH) |
| *Eclipta prostrata* (L.) L. | Kalokeshi | Herb, pr | ml, fe | All beats | M | Kamrul 357 (JUH) |
| *Elephantopus scaber* L. | Hastipadi | Herb, e | ml, fe, sj | All beats | M | Kamrul 567 (JUH) |
| *Enhydra fluctuans* Lour. | Helenchia | Herb, aq | ml | All beats | M | Kamrul 2145 (JUH) |
| *Grangea madraspatana* (L.) Poir. | Namuti | Herb, e | rb | All beats | M | Kamrul 1192 (JUH) |
| *Launaea asplenifolia* (Willd.) Hook. f. | Tikadana | Herb, e | hs | Ad | - | Kamrul 1604 (JUH) |
| *Mikania micrantha* Kunth | Assam lata | Herb, e | ml | All beats | M | Kamrul 74 (JUH) |
| *Pseudognaphalium luteoalbum* (L.) | Bara kamra | Herb, e | sj | Ad | M | Kamrul 155 (JUH) |
| *Hilliard & B.L. Burtt* | *Synedrella nodiflora* (L.) Gaertn. | Nakphul | Herb, e | rs, fe | All beats | - | Kamrul 2141 (JUH) |
| *Xanthium strumarium* L. | Ghagra | Herb, e | fe | Ad | - | Kamrul 1753 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|----------------|-------------|-------|---------|----------|------|-----|
| **LILIOPSIDA** Batsch | | | | | | |
| *Hydrocharitaceae* Juss. | | | | | | |
| Blyxa japonica (Miquel) Maxim. ex Asch. & Gürke | Japni blixa | Herb, aq ml | Ka | - | Kamrul 1503 (JUH) |
| Othelia alismoides (L.) Pers. | Panikola | Herb, aq ml | Ku | Fr, M | Kamrul 1504 (JUH) |
| Areca catechu L. | Supari | Tree, m ml (pl) | Ad | M, T | Kamrul 2108 (JUH) |
| Borassus flabellifer L. | Tal | Tree, l ml (pl) | Ad | Fr | Kamrul 2110 (JUH) |
| Caryota urens L. | Chau-gota | Tree, m ht | Ad | - | Kamrul 625 (JUH) |
| Calamus tenuis Roxb. | Jali bet | Herb, cl wd | All beats | Du | Kamrul 1558 (JUH) |
| C. erectus Roxb. * | Sungota | Herb, e wd | Ad, Ku | Du | Kamrul 574 (JUH) |
| C. longisetus Griff. * | Bet | Shrub wd | Ka | Du | S.N.Uddin N4485 (DACB) |
| Cocos nucifera L. | Narikel | Tree, l ml | Ad | Fr, Ol, Du | Kamrul 2111 (JUH) |
| Daemonorops jenkinsiana (Griff.) Mart. | Golla | Shrub hs | Ad | Du | Kamrul 1809 (JUH) |
| Phoenix sylvestris (L.) Roxb. | Deshi khejur | Tree, m wd | Ad | Du, Ju Kamrul 2212 (JUH) |
| **Pandanaeae** R.Br. | | | | | | |
| Pandanus foetidus Roxb. | Keya kanta | Shrub fv | Ad | - | Kamrul 1042 (JUH) |
| **Araceae** Juss. | | | | | | |
| Aglaonema hookerianum Schott * | Nimahook | Herb, e hs, rb | Ad | M | Kamrul 1597 (JUH) |
| Alcasisa eucallata (Lour.) G. Don | Bishkachu | Herb, e hs, rb | All beats | M | Kamrul 225 (JUH) |
| A. maccrorhizos (L.) G. Don | Mankachu | Herb, e rb, ml | Ad | M | Kamrul 2073 (JUH) |
| Amorphophallus bulbifer (Roxb.) Blume | Owl | Herb, e hs, ml | Ad, Ku | V | Kamrul 250 (JUH) |
| Colacia esculenta (L.) Schott | Jangli kachu | Herb, e rb, rf | All beats | V, M | Kamrul 1373 (JUH) |
| C. gigantea (Blume) Hook.f. | Salad kachu | Herb, e ml | Ad | V | Kamrul 2031 (JUH) |
| Homalomena aromatica (Spreng.) Schott | Gandhabi kochu | Herb, e hs | Ad | V | Kamrul 325 (JUH) |
| Lasia spinosa (L.) Thwaites | Kanta kachu | Herb, e wd | Ad, Ku | V, M | Kamrul 624 (JUH) |
| Pistia stratiotes L. | Topapana | Herb, aq ml | Ku | M | Kamrul 2002 (JUH) |
| Pothos scandens L. | Hatilata | Liana, ep sj | All beats | M | Kamrul 9 (JUH) |
| Epipremnum aureum (Linden & André) G.S. Bunting | Money plant | Liana ml | Ad | O | Kamrul 2004 (JUH) |
| Rhaphidophora glauca (Wall.) Schott | Fidoka | Herb, cl wd | Ad | - | Kamrul 1386 (JUH) |
| Steudnera coloscoyoides Hook. f. * | Biskachu | Herb, e ml | Ad | V | Kamrul 2027 (JUH) |
| Typhonium flagelliforme (Lodd.) Blume | Ghechu | Herb, e sj, wt | Ad | V | Kamrul 2205 (JUH) |
| T. trilobatum (L.) Schott | Ghetkul | Herb, e sj | Ad | V | Kamrul 2207 (JUH) |
| **Lemnaceae** Martinov | | | | | | |
| Lemma perpusilla Torr. | Khudipana | Herb, aq wt | Ad | Fd, Gm | Kamrul 2244 (JUH) |
| **Commelinaeae** Mirb. | | | | | | |
| Anischotolyce mullissima (Blume) Hassk. | Molosima | Herb, pr hs, rb | Ad, Ku | - | Kamrul 399 (JUH) |
| Commelina diffusa Burm.f. | Monayna kanshira | Herb, e hs, rb | All beats | M | Kamrul 764 (JUH) |
| C. erecta L. | Jata kanchira | Herb, e sj | Ad | V | Kamrul 283 (JUH) |
| Floscopia scandens Lour. | - | Herb, p fv | All beats | M | Kamrul 1024 (JUH) |
| Murdannia nudiflora (L.) Brenan | Kureli | Herb, e fe, rs | All beats | - | Kamrul 91 (JUH) |
| Polia secundiflora (Blume) Bakf.f. | Kandopoli | Herb, e wd | Ad | - | Kamrul 809 (JUH) |
### Table 1 Contd.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| **ERIOCAULACEAE Martinov** | | | | | | |
| *Eriocaulon quinquangulare* L. | Guri | Herb, e ml | All beats | - | Kamrul 762 (JUH) | | |
| **JUNCACEAE Juss.** | | | | | | |
| *Juncus primatoscarpus* R.Br. | Atoshi junca | Herb, e rb | Ad | - | Kamrul 2247 (JUH) | | |
| **CYPERACEAE Juss.** | | | | | | |
| *Balbostylis barbata* (Rottb.) C.B. Clarke. | Balbobata | Herb, e wd | All beats | - | Kamrul 1607 (JUH) | | |
| *Cyperus compactus* Retz. | Bandorghasi | Herb, e sj, gl | All beats | Sb | Kamrul 2109 (JUH) | | |
| *C. tria* L. | Barachucha | Herb, e gl | Ad | Sb | Kamrul 1125 (JUH) | | |
| *C. laxus* Lam. | Alga ghisi | Herb, e ht | All beats Sb | Kamrul 63 (JUH) | | |
| *C. pilosus* Vahl | Pasham kathai | Herb, e fe | All beats | Sb | Kamrul 193 (JUH) | | |
| *C. tenacispica* Steud. | Paikamatha | Herb, e sj, rs | All beats | Sb | Kamrul 452 (JUH) | | |
| *Eleocharis geniculata* (L.) Roem. & Schult. | Joraghasi | Herb, e fe, gl | Ad | - | Kamrul 447 (JUH) | | |
| *Fimbristylis schoenoides* (Retz.) Vahl | Kesari malanga | Herb, e gl | All beats | - | Kamrul 1456 (JUH) | | |
| *Hypolytrum nemorum* (Vahl) Spreng. | Trumram ghisi | Herb, e fe, gl | All beats | - | Kamrul 1269 (JUH) | | |
| *Kyllinga nemoralis* (J.R.Forst. & G.Forst.) Dandy | Subasainbisa | Herb, e sj, fe, gl | Ad | Fd | Kamrul 2215 (JUH) | | |
| **G.Forst.) Dandy ex Hutch. & Dalziel** | | | | | | |
| *K. brevifolia* Rottb. | Shabujnirbisa | Herb, e rs, gl | All beats | Fd | Kamrul 64 (JUH) | | |
| *K. bulbos* P.Beauv. | Golanirbisa | Herb, e rs, gl. | Ad | Fd | Kamrul 2217 (JUH) | | |
| *Pyreus polytachyos* (Rottb.) P. Beauv. | Paikpoli ghisi | Herb, e fv, sj | Ad | Sb | Kamrul 446 (JUH) | | |
| *Scleria levis* Retz. | Ralevi ghisi | Herb, e gl | All beats | - | Kamrul 546 (JUH) | | |
| *S. biflora* Roxb. | Riaflora ghisi | Herb, e ml, fe | Ad, Ka | - | Kamrul 1512 (JUH) | | |
| *S. terrestris* (L.) Fassett | Dharal ghisi | Herb, e ml, gl | All beats | - | Kamrul 731 (JUH) | | |
| *Rynchospora corymbosa* (L.) Britton | Shonathuti ghisi | Herb, e ml, gl | Ad | - | Kamrul 1404 (JUH) | | |
| **POACEAE Barnhart.** | | | | | | |
| *Bambusa balcooa* Roxb. | Borak bans | Herb, e ml | Ad | Du | Kamrul 2218 (JUH) | | |
| *B. bambos* (L.) Voss | Ban bans | Herb, e ml | All beats | Du | Kamrul 2219 (JUH) | | |
| *B. polymorpha* Munro | Parua | Herb, e hs, ht | Ad, Ku | Du | Kamrul 2221 (JUH) | | |
| *B. tulda* Roxb. | Matinga | Herb, e ml | All beats | Du | Kamrul 457 (JUH) | | |
| *Brachiaria kurzii* (Hook. f.) A. Camus | Kurokti ghisi | Herb, e sj | Ad, Ku | - | Kamrul 1550 (JUH) | | |
| *Cenotheca lappacea* (L.) Desv. | Centughas | Herb, e sp | All beats | Fd | Kamrul 941 (JUH) | | |
| *Chrysopogon aciculatus* (Retz.) Trin. | Premkata | Herb, e gl, rs | Ad, Ku | Sb | Kamrul 210 (JUH) | | |
| *C. zizanioides* (L.) Roberty | Khaskhas | Herb, e rs, gl | All beats | Fd, Sb | Kamrul 1513 (JUH) | | |
| *Cynodon dactylon* (L.) Pers. | Durba ghisi | Herb, cr ml, rs, | All beats | O, Fd | Kamrul 2222 (JUH) | | |
| *Cytococcum oxyphylum* (Steud.) Stapf | Oxycocca ghas | Herb, e ml, rs, | Ad, Ka | - | Kamrul 209 (JUH) | | |
| *C. patens* (L.) A. Camus | Patocca ghas | Herb, cr gl | All beats | - | Kamrul 557 (JUH) | | |
| *Dendrocalamus longispathus* (Kurz) Kurz | Rupai | Herb, e ml | All beats | - | Kamrul 1818 (JUH) | | |
| *Dactylctenium aquegynum* (L.) Willd. | Kakpya | Herb, e ml, rs | Ad | - | Kamrul 2057 (JUH) | | |
| *Digitaria ciliaris* (Retz.) Koeler | Kokjachira | Herb, e fe | Ad | - | Kamrul 2572 (JUH) | | |
| *Eleusine indica* (L.) Gaertn. | Malankuri | Herb, e sj | All beats | Fd | Kamrul 1129 (JUH) | | |
| *Eragrostis ciliaris* (L.) R. Br. | Lomkoni | Herb, e ml | Ad | - | Kamrul 1563 (JUH) | | |
| *E. unioloides* (Retz.) Nees ex Steud. | Chirakoni | Herb, e sj | All beats | Fd, | Kamrul 777 (JUH) | | |
| *Imperata cylindrica* (L.) Raetsch. | Chhan | Herb, e sj | Ad | Fd, M | Kamrul 211 (JUH) | | |
| *Hildaça pallens* (Sw.) C. Silva & R.P. Oliveira | - | Herb, e fv | Ad | - | Kamrul 832 (JUH) | | |
| *Lophatherum gracile* Brongn. | Lolphali ghisi | Herb, e hs, rs | All beats | Fd | Kamrul 635 (JUH) | | |
| *Leersia hexandra* Sw. | Fulka ghisi | Herb, pr ml | Ad | Fd | Kamrul 1130 (JUH) | | |
| *Melocanna baccifera* (Roxb.) Kurz | Muli | Herb, e hs | All beats | V, Du | Kamrul 622 (JUH) | | |
| Scientific name                      | Bangla name | Habit | Habitat | Distrib. | Uses | RSE  |
|-------------------------------------|-------------|-------|---------|----------|------|------|
| *Oryza rufipogon* Griff.            | Bunodhan    | Herb, e | ml      | Ad, Ka   | Fd   | Kamrul 461 (JUH) |
| *Opptisemenas compositus* (L.) P. Beauv. | Gohur dunda | Herb, e, hs | All beats | - | Kamrul 2101 (JUH) |
| *Panicum notatum* Retz.             | Panita ghas  | Herb, e | fe      | All beats | - | Kamrul 776 (JUH) |
| *P. brevifolium* L.                 | Panibrevi ghas | Herb, e | fe      | All beats | - | Kamrul 2039 (JUH) |
| *Paspalum conjunctum* P.J.Bergius.  | Moishnya ghas | Herb, e, sj, fe | Ad, Ka | - | Kamrul 455 (JUH) |
| *Phragmites karka* (Retz.) Trin. ex Steud. | Khakra ghas | Herb, er sj, rb | Ad, Ku | Da | Kamrul 999 (JUH) |
| *Saccharum spontaneum* L.           | Jhara phul   | Herb, e, fe, sj | All beats | Da | Kamrul 141 (JUH) |
| *Echinochloa colona* (L.) Link.     | Shama ghas   | Herb, e | iv      | Ad | Fd | Kamrul 1409 (JUH) |
| *Ananas comosus* (L.) Merr.         | Anarash      | Herb, e | ml      | Ad, Fr  | Fr | Kamrul 2087 (JUH) |
| *Musa paradisiaca* L.               | Kola         | Herb, e | ml      | Ad, Ka  | Fr, V | Kamrul 2080 (JUH) |
| *M. acuminata* Colla                | Pahari kola  | Herb, e | hs      | Ad, Fr  | Fr | Kamrul 160 (JUH) |
| *M. ornata* Roxb.                   | Jangli kola  | Herb, e | hs      | Ad, Ku  | Fr, V | Kamrul 799 (JUH) |
| *Zingiber officinale* Roxb.         | Ada          | Herb, e | ml      | Ad, Ka  | Sp, M | Kamrul 2232 (JUH) |
| *Z. zerumbet* (L.) Roscoe ex Sm.    | Bon ada      | Herb, e | ml      | All beats | M | Kamrul 2229 (JUH) |
| *Hellemin armata* L.                | Maran globba | Herb, e | hs      | Ad, Ku  | - | Kamrul 479 (JUH) |
| *H. multiflora* Wall. ex Baker *    | Shukh globba | Herb, e | hs      | All beats | - | Kamrul 247 (JUH) |
| *Heodhichium coronarium* J. Koen.   | Dolen chapa  | Herb, e | ml      | Ad, O   | - | Kamrul 2227 (JUH) |
| *H. thyrsiforme* Sm. *              | Pala ada     | Herb, e | ml      | All beats | - | Kamrul 611 (JUH) |
| *Zingiber officinalis* Roscoe       | Ada          | Herb, e | ml      | Ad, Ku  | Sp, M | Kamrul 2232 (JUH) |
| *Z. zerumbet* (L.) Roscoe ex Sm.    | Bon ada      | Herb, e | ml      | All beats | M | Kamrul 2229 (JUH) |
| *Canna indica* L.                   | Kolabati     | Herb, e | ml      | Ad, M, O | - | Kamrul 2213 (JUH) |
| *Phrynium pubinerve* Blume          | Pashomipitali | Herb, e | fe      | All beats | Da | Kamrul 176 (JUH) |
| *P. placentarium* (Lour.) Merr.     | Murta        | Shrub, fe | Ad, Ku | Da | Kamrul 618 (JUH) |
| *Schumannianthus dichotomus* (Roxb.) | Gagnep.      | -       |         |         |     |        |
| *Peliosanthes tetu* Andrews         | Napigach     | Herb, e | wd      | Ad | - | Kamrul 2253 (JUH) |
Table 1 Contd.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| Asparagus racemosus Wild. | Shatamuli | Shrub | sj | Ad | M | Kamrul 2255 (JUH) |
| Crinum amoenum Ker Gawl. ex Roxb. | Gang kachu | Herb, e | hs | All beats | O, M | Kamrul 1910 (JUH) |
| Molineria latifolia (Dryand. ex W.T. Aiton) Herb. ex Kurz | Molinapasa | Herb, e | sj | Ad | - | Kamrul 2258 (JUH) |
| Gloriosa superba L. | Ulatchandal | Herb, e | ml | Ad | M | Kamrul 2257 (JUH) |
| Molineria capitulata (Lour.) Herb. | Satipata | Herb, e | fe | Ad | - | Kamrul 327 (JUH) |
| AGAVACEAE Dumort. | Kado drakan | Shrub | hs | Ad, Ku | - | Kamrul 309 (JUH) |
| Dracaena spicata Roxb. | Sutahara | Herb, e | ml | Ad | M, O | Kamrul 1797 (JUH) |
| Sansevieria trifasciata Prain | | | | | | |
| TACCAEACEAE Dumort. | Taccia integrifolia Ker-Gawl. | Mati munda | Herb, e | Fe, sj | All beats | O | Kamrul 158 (JUH) |

**LEGEND:** Habit. cl = climbing, cr = creeping, de = decumbent, ep = epiphytic, e = erect, er = erect reed, l = large, m = medium, pr = prostrate, ps = parasitic, aq = aquatic, s = small, sc = scandent, vi = vine. HABITAT. cu = cultivated, fe = forest margin, fv = forest valley, gl = grassland, ht = hill top, hs = hill slope, ml = marginal land, pl = planted, rb = river bank, rs = roadsides, sj = scrub jungle, wd = in forest. Distrib. = Distribution. Ad = Adampur beat, Ka = Kamarchara beat, Ku = Kurma beat. Use. Co = cosmetics, Dy = dye, Du = domestic uses, Fb = Fibre, Fd = fodder, Fr = Fruit, Fw = fuel wood, Gm = green manure, I = insecticide, Ju = juice, M = medicine, O = ornamental, Ol = oil, Pe = perfume, Pu = pulse, St = shade tree, Sh = soil binder, Sp = spice, Sw = soft wood, T = timber, and V = vegetable. RSE = Representative Specimens Examined. * = Species listed in Red Data Book of Vascular Plants of Bangladesh.

In respect to land area, the number of angiosperm species found in RRF during this study seems higher than that reported by few studies on the protected areas of Bangladesh, e.g., Teknaf Game Reserve (Khan et al., 1994), and Chunuti Wildlife Sanctuary (Khan and Huq, 2001). In contrast, the number of angiosperm species found in RRF is lower than that of some other protected areas of the country, e.g., Rema-Kalenga Wildlife Sanctuary (Uddin and Hassan, 2004), and Lawachara National Park (Uddin and Hassan, 2010). These data indicate that this reserve forest houses an important portion of the flora of Bangladesh.
The study recognizes a total of 387 angiosperm species of RRF as economically useful and among these species 82 are useful in two and 17 in three categories. The major categories of these economically useful species are medicinal (231 species), timber (50 species), fruit (49 species), ornamental (47 species), vegetable (34 species), fodder (23 species), domestic uses (19 species), fuel wood (11 species), and soil binder (9 species).

The RRF area houses 25 species included as threatened in the Red Data Book of Vascular Plants of Bangladesh (Table 1; Khan et al., 2001; Ara et al., 2013). This enumeration of threatened species is higher in respect to that reported for few forest areas, e.g., Lawachara National Park (Uddin and Hassan, 2010) and Sundarban Mangrove Forest (Rahman et al., 2016), and on the other hand, lower in respect to that recorded from other forest areas of Bangladesh (e.g., Rema-Kalenga forest; Uddin and Hassan, 2004). All of these 25 species were found in many localities of RRF with normal natural regeneration and any threat or stress exclusive for these species could not be recognized there, and therefore, they were categorized under the Lower Risk (LR) category for Rajkandi Reserve Forest.

This checklist provides basic information on all angiosperm species currently occurring in the Rajkandi Reserve Forest, which can be considered as an important database as well as baseline to track the trend of changes in the floristic composition of this reserve forest in course of time and different biogeographical processes. This study also informs the current status of 25 threatened species in RRF. These data might be useful in planning, management, conservation and sustainable development of this valuable forest resource of Bangladesh.

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References

Ahmed, Z.U., Begum, Z.N.T., Hassan, M.A., Khondker, M., Kabir, S.M.H., Ahmed, M., Ahmed, A.T.A., Rahman, A.K.T. and Haque, E.U. (Eds) 2008-2009. Encyclopedia of Flora and Fauna of Bangladesh, Vols. 6-10, 11, 12. Asiatic Society of Bangladesh, Dhaka.
Alam, M.K. 1988. Annotated checklist of woody flora of Sylhet forests. Bulletin 5, Plant Taxonomy Series. Bangladesh Forest Research Institute, Chittagong, pp. 1–153.
Ara, H., Khan, B. and Uddin, S.N. (Eds) 2013. Red Data Book of Vascular Plants of Bangladesh. Bangladesh National Herbarium, Dhaka, pp. 1–280.
Arefin, M.K., Rahman, M.M., Uddin, M.Z. and Hassan, M.A. 2011. Angiosperm flora of Satchari National Park, Habiganj, Bangladesh. Bangladesh J. Plant Taxon. 18(2): 117–140.
Bridson, D.M. and Forman, F. 1989. In: Bridson, D.M. and Forman, F. (Eds), The Herbarium Handbook. Royal Botanic Gardens, Kew, 214 pp.
Cronquist, A. 1981. An integrated system of classification of flowering plants. Columbia University Press, New York, pp. 1-1262.
Das, D.K. 1968. The vegetation of Sylhet forests. Pak. J. Forest. 18(3): 307–316.
Ghani, A. 1998. Medicinal Plants of Bangladesh with Chemical Constituents and Uses. Asiatic Society of Bangladesh, pp. 1–467.
Huq, A.M. 1986. Plant Names of Bangladesh. Bangladesh National Herbarium, BARC, Dhaka, Bangladesh, pp. 1–289.
Haque, A.K.M.K., Khan, S.A., Uddin, S.N. and Rahim, M.A. 2016. Taxonomic checklist of the pteridophytes of Rajkandi Reserve Forest, Moulovibazar, Bangladesh. Jahangirnagar University J. Biol. Sci. 5(2): 27–40.

Hooker, J.D. 1872-1897. The Flora of British India. Vols. 1–7. L. Reeve & Co., Ashford, Kent, UK.

IUCN. 2001. IUCN Red List Categories and Criteria. Version 3.1. IUCN, Gland, Switzerland and Cambridge, U.K.

Kanjilal, U.N., Kanjilal, P.C. and Das, A. 1934. Flora of Assam. Vol. 1. (Reprint 1982). A Von Book Company, Delhi.

Kanjilal, U.N., Kanjilal, P.C. and Das, A. 1938-1940. Flora of Assam. Vol. 2-4. (Reprint 1982). A Von Book Company, Delhi.

Khan, M.S., Rahman, M.M. and Ali, M.A. (Eds) 2001. Red Data Book of Vascular Plants of Bangladesh, Vol. 1. Bangladesh National Herbarium, Dhaka, Bangladesh, pp. 1–179.

Khan, M.S. and Huq, A.M. 2001. The vascular flora of Chunati wildlife sanctuary in south Chittagong. Bangladesh J. Plant Taxon. 8(1): 47–64.

Khan, M.S., Rahman, M.M., Huq, A.M., Mia, M.M.K. and Hassan, M.A. 1994. Assessment of Biodiversity of Teknaf Game Reserve in Bangladesh focussing on economically and ecologically important plant species. Bangladesh J. Plant Taxon. 1(1): 21–33.

Myers, N., Mittermeier, R.A., Mittermeier, C.G., da Fonseca, G.A.B. and Kent, J. 2000. Biodiversity hotspots for conservation priorities. Nature 403: 853–858.

Pasha, M.K and Uddin, S.B. 2013. Dictionary of Plant Names of Bangladesh (Vascular Plants). Janokalyan Prokashani, Chittagong, pp. 1–320.

Prain, D. 1903. Bengal Plants. Vols. 1 & 2. (Reprint 1963). Botanical Survey of India, Calcutta.

Rahman, M.S., Hossain, M.G., Khan, S.A. and Uddin, S.N. 2016. An annotated checklist of the vascular plants of Sundarban mangrove forest of Bangladesh. Bangladesh J. Plant Taxon. 22(1): 17–41.

Singh, H.B. and Subramaniam, B. 2008. Field Manual on Herbarium Techniques. National Institute of Science Communication and Information Resources, pp. 1–297.

Sobuj, N.A, and Rahman, M. 2011. Assessment of plant diversity in Khadimnagar National Park of Bangladesh. International J. Environ. Sci. 2(1): 79–91.

The Plant List. 2013. The Plant List, a working list of all plant species. Version 1.1 <http://www.theplantlist.org/>. Accessed on 29 October 2017.

TROPICOS. 2017. Tropicos.org. 〈www.tropicos.org〉. Missouri Botanical Garden, Saint Louis, Missouri, USA. Accessed on 20 October 2017.

Uddin, M.Z. and Hassan, M.A. 2004. Flora of Rema–Kalenga Wildlife Sanctuary. IUCN Bangladesh Country Office, Dhaka, Bangladesh, pp. 1–120.

Uddin, M.Z. and Hassan, M.A. 2010. Angiosperm diversity of Lawachara National Park (Bangladesh): A preliminary assessment. Bangladesh J. Plant Taxon. 17(1): 9–22.

van Valkenburg, J.L.C.H. and Bunyapraphatsara. N. (Eds) 2002. Plant Resources of South–East Asia, No. 12(2). Medicinal and Poisonous Plants 2. Prosea Foundation, Bogor, Indonesia, 782 pp.

Wu, Z.Y. and Raven, P.H. (Eds) 1994-2001. Flora of China, Vols. 8, 15-18, 24. Missouri Botanical Garden Press, St. Louis, USA.

Wu, Z.Y., Raven, P.H. and Hong, D.Y. (Eds) 1999-2013. Flora of China, Vols. 2-7, 9-14, 19-23, 25. Missouri Botanical Garden Press, St. Louis.

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