Checklist of Angiosperms extant in Mirpur area of Dhaka city

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Abstract
This study has recognized the occurrence of a total of 346 species of Angiosperms under 256 genera and 82 families and assessed their current status and distribution in Mirpur area of Dhaka district. Majority of these families, 68 (82.92%) consist of 255 species under 192 genera, belong to Magnoliopsida (dicotyledons), and the rest 14 (17.07%) comprise of 91 species under 64 genera to Liliopsida (monocotyledons). Asteraceae with 18 species is found to be the largest family in Magnoliopsida followed by Euphorbiaceae and Fabaceae consists of 17 species each; while Poaceae is recognized as the largest family with 41 species in Liliopsida followed by Cyperaceae with 19 species. Ficus of Moraceae and Cyperus of Cyperaceae, each consists of 6 species, are found to be the largest genera in Magnoliopsida and Liliopsida, respectively. Total 236 species have been recorded as herbs followed by 58 tree seedlings, 50 shrubs and 2 lianas. Scrub jungles harbouring a total of 90 species are found to be the most common habitat of Angiosperms in the area, which is followed by marginal lands, road sides, grasslands, lake banks, fallow lands, woodlands, river bank, and highland slope and wet lands. A total of 281 economically important species have been determined from the study area. The occurrence of two threatened species, viz. Andrographis paniculata (Burm.f.) Nees and Rauvolfia serpentina (L.) Benth. ex Kurz, listed in the Red Data Book of Bangladesh, is recognized to be Vulnerable (V) in the study area.

Key words: Checklist, Angiosperms, Mirpur, Dhaka.

INTRODUCTION
In recent decades, Dhaka city has been remarkably developed through numerous activities completed under different public and private sectors. The city is experiencing an increasing influx of people from across the nation, which has reportedly made it the fastest growing city in the world. This city is suffering from some urban and environmental problems, largely resulted through uncontrolled anthropogenic activities of its rapidly increasing huge population, though its urban infrastructure is the most developed in Bangladesh.

The study area, greater Mirpur, is situated at north-east of Dhaka city in 23°46.0'-23°49.5"N and 90°21.3'-90°23.2'E, and consists of a total of 88.38 km² belonging to six police stations (p.s.), viz. Darus-Salam, Shah Ali, Mirpur, Pallabi, Rupnagar and Kafrul (Fig. 1). Once this area was mostly comprised of scattered settlements and many open areas of low and fallow lands harbouring numerous wild plants, and some lakes and canals supporting the growth of some swampy vegetation but at present this is one of the

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major residential and commercial areas of Dhaka city with an increasing high influx of people, rapid urbanization and industrialization and its’ vegetational cover is going to be confined to the National Botanical Garden, Zoo and few open areas in the north.

Sporadically many floristic inventories have been made in different areas of greater Dhaka district (e.g., Hossain, 1966; Hossain et al., 1994, 2000), Rahman & Hassan, 1995; Rashid et al., 1995; Kar, 1997; Rahman, 2004; and Sultana, 2011). However, the flora of Dhaka city remains almost unexplored except knowing the list of trees of the city by Datta & Mitra (1953), family Asteraceae by Hossain (1966) and Labiatae by Khan & Halim (1975a, 1975b). The greater Mirpur area still harbours a flora and plant diversity in its open areas, especially the fallow lands of south-western part of Darus Salam- and Mirpur p.s. areas, National Botanical Garden and Zoo area at the western part of Shah Ali p.s. area, and north-western and eastern part of Pallabi p.s. area. This area has not been explored before to know the status of occurrence, and richness or diversity of its plant species and their conservation measures. Due to massive anthropogenic activities and habitat modifications the biodiversity of this area is under threat. Therefore, it is very necessary to explore, document and analyze the composition and diversity of plant species of the area before disappearing from the nature. It is also important to make a complete inventory of the economically important species of the study area for
conservation and sustainable use. Thus, an attempt has been taken to explore, collect and document the angiospermic species naturally growing in greater Mirpur area, provide the baseline data on their composition, distribution and economic importance and find out whether any of these species is threatened there.

MATERIALS AND METHODS

The taxonomic inventory of this study was conducted through 20 field trips in different seasons between 2013 and 2017 throughout the study area (Fig. 1). Necessary field data and representative plant specimens of Angiosperms naturally growing in the study area were collected following standard herbarium techniques (Bridson & Forman, 1989; Singh & Subramaniam, 2008). All plant specimens were preliminarily identified through consulting the experts and matching with relevant and properly identified voucher specimens preserved at Jahangirnagar University Herbarium (JUH), Dhaka University Salar Khan Herbarium (DUSH) and Bangladesh National Herbarium (DACB). The identification of the plant specimens were verified through matching them with the type images available in the websites of different international herbaria and their characters with relevant taxonomic descriptions and keys available in the literature (e.g., Ahmed et al., 2008-2009; Hooker, 1872-1897; Prain, 1903; Kanjilal et al., 1934, 1938-1940; Siddiqui et al., 2007; Wu & Raven, 1994-2001 and Wu et al., 1999-2013).

The voucher specimens of all taxa collected from the study area have been preserved at JUH. Nomenclatural information of each taxon was verified following Flora of China (Wu & Raven, 1994-2001 and Wu et al., 1999-2013) and the nomenclatural databases of IPNI (2015), The Plant List (2017) and TROPICOS (2017). The families have been arranged according to the classification system of Cronquist (1981). The genera and species under each family have been arranged alphabetically. The common names have been cited based on Huq (1986), Pasha & Uddin (2013) and interview with the local people. The economic importance is recorded through consulting the relevant literature (e.g., Ghani 1998; Sharma, 2002; Van Valkenburg & Bunyapraphatsara, 2002). IUCN threatened category is estimated consulting Melville (1970-1971), IUCN (2001), Khan et al., (2001) and Ara et al., (2013).

RESULTS AND DISCUSSION

During this study, a total of 346 species of Angiosperms under 256 genera and 82 families have been found to be extant naturally in the study area (Table 1) with different extent of natural regeneration. Total 68 families (82.92%) representing 192 genera and 255 species are identified as dicotyledons (Magnoliopsida), whereas, only 14 families (17.07%) with 91 species under 64 genera, as monocotyledons (Liliopsida). In the study area, the herbs are found to be composed of 236, shrubs of 50, and tree seedlings of 58 species. A total of 27 families are represented with single species and 10 families contain more than ten species each. This taxonomic enumeration of angiospermic species indicate that the study area is still harbouring a good number of species and a remnant of natural
vegetation cover, though it is mostly an urban area and disturbed by various anthropogenic stresses.

In Magnoliopsida, Asteraceae with 18 species under 16 genera is recorded as the largest family in this study area and followed by Euphorbiaceae and Fabaceae consists of 17 species under 13 genera each. Ficus with six species is appeared as the largest dicotyledonous genus of the area followed by Sida and Ipomoea with five species each and Solanum, Desmodium with four species each. Poaceae consisting 41 species is found to be the largest family in Lilliopsida followed by Cyperaceae with 19 species and Araceae with 8 species. Cyperus with six species stands as the largest genus in Lilliopsida.

**Table 1. Checkist of Angiosperms extant in Mirpur, Dhaka**

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| **MAGNOLIOPSIDA** Brongn. | | | | | | |
| 1. Annona squamosa L. | Ata | Tree, s | WD | D, P | Fr | Shetu 261 (JUH) |
| 2. Polyalthia suberosa (Roxb.) Thwaites | Shubodhur | Tree, s | RS | K, P, R, S, O, T | Shetu 286 (JUH) |
| **ANNONACEAE** Juss. | | | | | | |
| 3. Litsea glutinosa (Lour.) C.B. Rob. Pipalti | Pipal | Tree, s | WD | S | Shetu 251 (JUH) |
| 4. L. monopetala (Roxb.) Pers. | Mendaphuri | Tree, s | WD | S | M, Fr, T | Shetu 206 (JUH) |
| **LAURACEAE** Juss. | | | | | | |
| 5. Peperomia pellucida (L.) Kunth Pithapata | Herb, e | ML | apsa | M | Shetu 76 (JUH) |
| 6. Piper longum L. | Pipul | Herb, cl | ML | S | M | Shetu 52 (JUH) |
| **PIPERACEAE** Giseke | | | | | | |
| 7. Aristolochia indica L. | Isharmul | Herb, cl | HS | S | Shetu 93 (JUH) |
| 8. Ranunculus sceleratus L. | Palik | Herb, e | RB | M, P, S | M | Shetu 423 (JUH) |
| **ARISTOLOCHIACEAE** Juss. | | | | | | |
| 9. Cocculus hirsutus (L.) W. Theob. Daikhai | Herb, cl | RB | S | M | Shetu 111 (JUH) |
| 10. Cissampelos pareira (L.) Kurth Akanadi | Herb, vi | ML | S | M | Shetu 152 (JUH) |
| 11. Stephania japonica (Thunb.) Miers Nimukha | Herb, cl | SJ, ML | M, P, R, SM | M | Shetu 112 (JUH) |
| 12. Tinospora crispa (L.) Hook. f. & Thomson Gulancha | Herb, vi | RB, SJ | S | M | Shetu 601 (JUH) |
| **PAPAVERACEAE** Juss. | | | | | | |
| 13. Argemone subfusiformis Ownbey Shialkanta | Herb, e | GL | D, P, R, S | Shetu 613 (JUH) |
| **FUMARIACEAE** Marquis | | | | | | |
| 14. Fumaria parviflora Lam. Bonsulpha | Herb, e | ML | D, S | We | Shetu 440 (JUH) |
| **ULMACEAE** Marb. | | | | | | |
| 15. Trema orientalis (L.) Blume Banjiga | Tree, m | RS | D, S | Fw, Fd | Shetu 227 (JUH) |
| 16. Holoptelea integrifolia Planch. Banchulla | Tree, l | SJ | D, P | M, Sw | Shetu 731 (JUH) |
| **MORACEAE** Gaudich. | | | | | | |
| 17. Artocarpus chama Buch.-Ham. Chapalish | Tree, l | WD | M, S | T, Fr | Shetu 636 (JUH) |
| 18. A. heterophyllus Lam. Kanthal | Tree, l | ML | apsa | T, Fr | Shetu 533 (JUH) |
| 19. A. lacucha Buch.-Ham. Deu | Tree, m | SJ | D, S | Fr, T, M | Shetu 622 (JUH) |
| 20. Ficus benghalensis L. Bot | Tree, l | ML | apsa | O, M | Shetu 698 (JUH) |
| 21. F. heterophylla L.f. Bhui Dumur | Shrub | LB | M, S, K | M | Shetu 88 (JUH) |
| 22. F. hispida L.f. Kakkumur | Shrub | ML | M, S, P | Fr, M | Shetu 350 (JUH) |
| Scientific name                        | Bangla name | Habit | Habitat | Distrib. | Uses | RSE     |
|---------------------------------------|-------------|-------|---------|----------|------|---------|
| **TILIACEAE**                         |             |       |         |          |      |         |
| 23. *F. pumila* L.                   | Lata dumur  | Herb, c| RS      | K, R, S  | O    | Shetu 114 (JUH) |
| 24. *F. racemosa* L.                 | Jagyadumur  | Tree, s| ML      | M, S     | M    | Shetu 732 (JUH) |
| 25. *F. religiosa* L.                | Ashwath     | Tree, l| WD      | M, S     | O, Fr| Shetu 558 (JUH) |
| 26. *Sheora* L.                      | Sheora      | Tree, s| LB, FL  | M, S, P  |      | Shetu 1229 (JUH) |
| **URITICACEAE**                      |             |       |         |          |      |         |
| 27. *Gonostegia hirta* (Blume ex Hass.) Miq. | Gonotegi   | Herb, pr | GL    | K, M, S, P | M  | Shetu 34 (JUH) |
| 28. *Laportea interrupta* (L.) Chew | Lal Bichuti | Herb, e | ML    | D, M, S  |      | Shetu 573 (JUH) |
| 29. *Pionozzia zeilanica* (L.) Benn. | Kullaruki   | Herb, pr | ML, GL | K, M, S  |      | Shetu 649 (JUH) |
| 30. *Pilea microphylla* (L.) Liebm.  | Lataariacha | Herb, pr | GL    | apsa     |      | Shetu 64 (JUH)  |
| **NYCTAGINACEAE**                     |             |       |         |          |      |         |
| 31. *Boerhavia diffusa* L.           | Punarnava   | Herb, pr | ML    | S        | M    | Shetu 49 (JUH)  |
| **CHENOPODIACEAE**                   |             |       |         |          |      |         |
| 32. *Chenopodium album* L.           | Bathua shak | Herb, cr | ML    | D, P     | V    | Shetu 04 (JUH)  |
| **AMARANTHACEAE**                     |             |       |         |          |      |         |
| 33. *Achyranthes aspera* L.          | Apang       | Herb, e | GL    | P, S     | M    | Shetu 30 1 (JUH) |
| 34. *Alternanthera paronychiodia* A. St.-Hil. | Jhuli khata | Herb, pr | ML    | D, P, R  | M    | Shetu 568 (JUH) |
| 35. *A. philoxeroides* (Mart.) Griseb. | Henchi     | Herb, aq | ML    | D, P, R  | V    | Shetu 408 (JUH) |
| 36. *A. sessilis* (L.) R. Br. ex DC. | Malancha    | Herb, aq | ML    | D, K, P, R | V  | Shetu 44 (JUH)  |
| 37. *Amaranthus blitum* L.           | Gojanotey   | Herb, e | GL    | D, P     | V    | Shetu 168 (JUH) |
| 38. *A. spinosus* L.                 | Kanotnayet  | Herb, e | ML    | P, R     | V, M | Shetu 58 (JUH)  |
| 39. *A. viridis* L.                  | Noyey shak  | Herb, e | ML    | P, R     | V    | Shetu 216 (JUH) |
| 40. *Cathula prostrata* (L.) Blume   | Shyoutula   | Herb, pr | GL    | K, S     | M    | Shetu 35 (JUH)  |
| **PORTULACACEAE**                     |             |       |         |          |      |         |
| 41. *Portulaca oleracea* L.          | Boronumia   | Herb, pr | GL    | M, S     | M    | Shetu 22 (JUH)  |
| 42. *P. quadrifida* L.               | Chhoto numia | Herb, pr | GL    | M, S     | M    | Shetu 378 (JUH) |
| **MOLLUGINACEAE**                     |             |       |         |          |      |         |
| 43. *Glymus lotoides* L.             | Alugash.    | Herb, pr | FL, LB | D, S     | V    | Shetu 174 (JUH) |
| 44. *G. oppositifolius* (L.) Aug. DC. | Gima Shuk   | Herb, pr | GL    | D, S     | M    | Shetu 422 (JUH) |
| 45. *Molungo pentaphylla* L.         | Khetpapra   | Herb, pr | GL    | apsa     | M, V | Shetu 652 (JUH) |
| **CARYOPHYLLACEAE**                  |             |       |         |          |      |         |
| 46. *Polycarpum prostratrum* (Forssk.) | Ghima     | Herb, pr | LB    | M, S     | M    | Shetu 178 (JUH) |
| **POLYGONACEAE**                      |             |       |         |          |      |         |
| 47. *Persicaria hydropiper* (L.) Delarb. | Biskatali | Herb, e | LB    | M, P     | M    | Shetu 51 (JUH)  |
| 48. *P. orientalis* (L.) Spach       | Bara        | Herb, e | LB    | M, P     | M    | Shetu 589 (JUH) |
| 49. *Polygonum effusum* Meisn.       | Raniphal    | Herb, e | ML, GL | D, P     |      | Shetu 434 (JUH) |
| 50. *P. plebeium* R.Br.              | Khudibishkatali | Herb, pr | FL    | D, P     | -    | Shetu 159 (JUH) |
| 51. *Rumex dentatus* L.              | Bon palong  | Herb, e | RB    | D, P, R  | M    | Shetu 453 (JUH) |
| 52. *R. maritimus* L.                | Dati palong | Herb, e | RB    | D, P, R  | M    | Shetu 89 (JUH)  |
| **DILLENIACEAE**                     |             |       |         |          |      |         |
| 53. *Dillenia indica* L.             | Chalta      | Tree, s | ML    | D, S     | Fr, M| Shetu 598 (JUH) |
| **DIPTEROCARPACEAE**                 |             |       |         |          |      |         |
| 54. *Hopea odorata* Roxb.            | Telsur      | Tree, l | WD    | S        | T    | Shetu 705 (JUH) |
| 55. *Shorea robusta* Gaertn.         | Sal         | Tree, l | WD    | S        | T    | Shetu 612 (JUH) |
| **CLUSACEAE**                        |             |       |         |          |      |         |
| 56. *Mesua ferrea* L.                | Nagessawar  | Tree, s | RS    | S        | M    | Shetu 706 (JUH) |
| **TILLACEAE**                        |             |       |         |          |      |         |
| Scientific name                          | Bangla name       | Habit | Habitat | Distrib. | Uses      | RSE  |
|-----------------------------------------|-------------------|-------|---------|----------|-----------|------|
| 57. Grewia multiflora Juss.             | Fulibicha         | Tree, s | SJ      | D, K     | M         | Shetu 609 (JUH) |
| 58. *G. tenax* (Forssk.) Fiori          | Kango bicha       | Shrub  | SJ      | D, S     | M         | Shetu 383 (JUH) |
| 59. Microcos paniculata L.              | Kashfa phal       | Tree, s | SJ      | M, S     | M          | Shetu 338 (JUH) |
| 60. *Triumfetta rhomboidea* Jacq.       | Bon okra          | Herb, e | GL, ML  | P, R     | Fb, M     | Shetu 253 (JUH) |
| **SAPOTACEAE**                           | Vent.             |       |         |          |           |      |
| 61. Abroma augusta (L.) L.f.            | Ulakambal         | Shrub  | SJ      | S        | M, Fb     | Shetu 630 (JUH) |
| 62. Helicteres isora L.                 | Pichrangi         | Shrub  | SJ      | P, S     | M, Fb     | Shetu 709 (JUH) |
| 63. Melochia corchorifolia L.           | Tiki okra         | Herb, e | SJ      | P, R     | M         | Shetu 267 (JUH) |
| **BOMBACACEAE** Kunth                    |                   |       |         |          |           |      |
| 64. Bombax ceiba L.                     | Simul             | Tree, l | RS      | apsae S  | Sw, Fb    | Shetu 551 (JUH) |
| **MALVACEAE** Juss.                     |                   |       |         |          |           |      |
| 65. Abelmoschus moschatus Medik.        | Muskha-dana       | Herb, e | ML      | D, M     | M, F, O   | Shetu 710 (JUH) |
| 66. A. indicumum (L.) Sweet             | Petari            | Herb, e | ML      | P, S     | M         | Shetu 521 (JUH) |
| 67. A. theophrasti Medik.               | Nanapat           | Herb, e | LB      | P, S     | F         | Shetu 210 (JUH) |
| 68. Hibiscus mutabilis L.               | Ban-karpas        | Shrub  | ML, P   | S        | Fb, M     | Shetu 250 (JUH) |
| 69. *Malvastrum coronandianum* (L.) Garcke | Coromondol joba   | Shrub  | SJ      | K, P, S  | Fb, M     | Shetu 693 (JUH) |
| 70. Sida acuta Burm.f.                  | Kureta            | Herb, e | RS, ML  | apsa     | M         | Shetu 575 (JUH) |
| 71. S. cordata (Burm.f.) Bors. Waalk.   | Jumka             | Herb, e | ML      | P, R     | M         | Shetu 05 (JUH) |
| 72. S. cordifolia L.                    | Shet-barela       | Shrub  | RS      | P, S     | M         | Shetu 475 (JUH) |
| 73. S. rhombifolia L.                   | Lal berela        | Herb, e | ML, RS  | M, P, R  | M         | Shetu 341 (JUH) |
| 74. S. spinosa L.                       | Katasida          | Shrub  | RS      | K        | -         | Shetu 692 (JUH) |
| 75. Urena lobata L.                     | Banghagra         | Shrub  | RS, ML  | K, M, P, S | M   | Shetu 62 (JUH)  |
| **LECITHIDACEAE** A. Rich.              |                   |       |         |          |           |      |
| 76. Barringtonia acutangula (L.) Gaertn. | Hijol             | Tree, m | LB      | S        | M         | Shetu 628 (JUH) |
| **FLACOURTIACEAE** Rich. ex DC.         |                   |       |         |          |           |      |
| 77. *Flavouria indica* (Burman.f.) Merri | Beuchi            | Shrub  | SJ      | S        | M, F, T   | Shetu 369 (JUH) |
| **PASSIFLORACEAE** Juss. ex Roussel      |                   |       |         |          |           |      |
| 78. *Passiflora foetida* L.             | Jhumka-lata       | Herb, cl | ML      | S        | M         | Shetu 653 (JUH) |
| **CUCURBITACEAE** Juss.                 |                   |       |         |          |           |      |
| 79. *Citrullus lanatus* (Thunb.) Matsum. & Nakai | Tarmuj          | Herb, cl | GL      | D, P     | Fr        | Shetu 208 (JUH) |
| 80. Coccinia grandiflora (L.) Voigt     | Telakucha         | Herb, cl | GL, RS  | apsa     | M         | Shetu 19 (JUH) |
| 81. Gymnopetalum chinense (Lour.) Merr. | Bati jhinga       | Herb, cr | RS      | M, S     | M         | Shetu 367 (JUH) |
| **BRASSICACEAE** Burnett                |                   |       |         |          |           |      |
| 82. *Luffa cylindrica* (L.) M.Roem.     | Dhundal           | Herb, cl | RS      | M, P     | V, M      | Shetu 826 (JUH) |
| 83. Mononordica charantia L.            | Karola            | Herb, cl | ML      | K, M, P  | V         | Shetu 505 (JUH) |
| 84. M. dioica Roxb. ex Willd.           | Ghee korolla      | Herb, cl | ML      | M, P     | V         | Shetu 284 (JUH) |
| 85. Mukia maderaspatana (L.) M.Roem.    | Bilari            | Herb, cl | GL      | M, P, R  | M         | Shetu 367 (JUH) |
| **CAPPARACEAE** Juss.                   |                   |       |         |          |           |      |
| 86. Capparis zeylanica L.               | Kalkera           | Herb, e | FL      | M, S     | M         | Shetu 186 (JUH) |
| 87. Cleome rutidosperma DC.             | Begune hurukey    | Herb, e | FL      | M, P     | We        | Shetu 24 (JUH) |
| **SAPOTACEAE** Juss.                    |                   |       |         |          |           |      |
| 88. Borippa indica (L.) Hiern           | Bansarisha        | Herb, e | GL      | D, M, P  | M         | Shetu 523 (JUH) |
| 89. Madhuca longifolia (J. Koenig ex L.) J.F. Macbr. | Mohua            | Tree, m | ML      | S        | M         | Shetu 656 (JUH) |
| 90. Minusops elengi L.                  | Bokul             | Tree, m | ML      | apsae K  | M, T      | Shetu 438 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| **EBENACEAE** | | | | | | |
| 90. Diospyros malabarica (Desr.) Kostel. | Deshi gab | Tree, l | ML | M, P, S | M | Shetu 103 (JUH) |
| **ROSACEAE** | | | | | | |
| 92. Rosa chinensis Jacq. | Kata golap | Shrub | ML | S | O | Shetu 831 (JUH) |
| **MIMOSACEAE** R. Br. | | | | | | |
| 93. Mimosa pudica L. | Lajjaboti | Shrub | ML, SJ | apsa | K | M | Shetu 78 (JUH) |
| 94. Acacia auriculiformis A. Cunn. ex Akashmoni Benth. | | Tree, l | WD | apsa | T | Shetu 548 (JUH) |
| **CAESALPINIACEAE** R. Br. | | | | | | |
| 97. Caesalpinia bonduc (L.) Roxb. | Nata | Shrub | SJ | D, S | M | Shetu 306 (JUH) |
| 98. Senna alata (L.) Roxb. | Dumardan | Shrub | RS | apsa | M, V | Shetu 454 (JUH) |
| 99. S. sophera (L.) Roxb. | Kalkeshunda | Shrub | ML, SJ | K, M, P, S | M, V | Shetu 473 (JUH) |
| 100. S. tora (L.) Roxb. | Terasena | Herb, e | RS | M, P, S | M | Shetu 260 (JUH) |
| 101. Tamarindus indica L. | Tetul | Tree, l | RS | apsa | Fr, M, T | Shetu 587 (JUH) |
| **FABACEAE** Lindl. | | | | | | |
| 102. C. scarabaeoides (L.) Thouars | Banurkalai | Herb, cl | GL | D, M, P | Fd | Shetu 333 (JUH) |
| 103. Codoriocalyx motorius (Houtt.) H. Ohashi | Codatoris | Shrub | SJ | S | M | Shetu 376 (JUH) |
| 104. Crotalaria pallida Aiton | Jhun-jhuni | Herb, e | RS | M, P | Gm | Shetu 301 (JUH) |
| 105. C. prostrata Rottler ex Willd. | Choto Jhun-jhuni | Herb, pr | RS | M, S | M | Shetu 715 (JUH) |
| 106. Cajanus cajan (L.) Millsp. | Orhor | Shrub | ML | D, S | M, Pu | Shetu 1115 (JUH) |
| 107. Dalbergia sissoo Roxb. ex DC. | Sishoo | Tree, l | RS | apsa | M | Shetu 534 (JUH) |
| 108. Derris trifoliata Lour. | Kallalata | Herb, cl | LB | S | M | Shetu 191 (JUH) |
| 109. Desmodium gangeticum (L.) DC. | Chalani | Shrub | RS, ML, D, S | M | Shetu 38 (JUH) |
| 110. D. gyroides (Roxb. ex Link) DC. | Shrub | HS | S | Gm | Shetu 389 (JUH) |
| 111. D. heterophyllum (Willd.) DC. | Bon-motorsut | Herb, pr | RS | D, S | M | Shetu 716 (JUH) |
| 112. D. triflorum (L.) DC. | Kulaia | Herb, pr | FL | D, S | M | Shetu 322 (JUH) |
| 113. Flemingia macrophylla (Willd.) Kuntze ex Merr. | Baro salpan | Shrub | SJ | S | Dy | Shetu 32 (JUH) |
| 114. Lathyrus sativus L. | Khesari | Herb, e | GL | D | Fd, Pu | Shetu 1022 (JUH) |
| 115. Mucuna pruriens (L.) DC. | Alkushi | Herb, cl | SJ | M, S | M | Shetu 718 (JUH) |
| 116. Pongamia pinnata (L.) Pierre | Koronja | Tree, m | SJ | S | M | Shetu 171 (JUH) |
| 117. Tephrosia candida (Roxb.) DC. | Bilakshani | Herb, e | RS | D, P | M, Gm | Shetu 297 (JUH) |
| 118. Vitex hirsuta (L.) Gray | Masurechana | Herb, cl | GL | D, M, P | Fd | Shetu 81 (JUH) |
| **LYTHRACEAE** J. St.-Hil. | | | | | | |
| 119. Lagerstroemia speciosa (L.) Pers. | Jurul | Tree, m | ML | S | O, T, M | Shetu 544 (JUH) |
| 120. Rotala rotundifolia (Buch.-Ham.) ex Roxb. | Dim-ghurni | Herb, cr | ML | M, P | - | Shetu 1014 (JUH) |
| **MYRTACEAE** Juss. | | | | | | |
| 121. Corymbia citriodora (Hook.) K.D. Hill & L.A.S.Johnson | Eucalyptus | Tree, l | WD | S | T | Shetu 1034 (JUH) |
| 122. Psidium guajava L. | Peyara | Tree, s | ML | M, P, R | Fr, M | Shetu 547 (JUH) |
| 123. Syzygium cumini (L.) Skeels | Kalojam | Tree, l | RS, ML | apsa | K | Fr, T | Shetu 717 (JUH) |
| 124. S. fruticosum DC. | Ban Jam | Tree, l | SJ | M, S | Fr, T | Shetu 532 (JUH) |
| **ONAGRACEAE** Juss. | | | | | | |
| 125. Ludwigia adscendens (L.) H. Harra Kesar dam | Herb, pr | WL | M, P | M | Shetu 104 (JUH) |
| 126. L. hyssopifolia (G. Don) Exell | Panipalong | Herb, e | WL | M, P | We | Shetu 504 (JUH) |
| Scientific name                  | Bangla name | Habit | Habitat | Distrib. | Uses | RSE      |
|---------------------------------|-------------|-------|---------|----------|------|----------|
| 127.  *L. octovalvis* (Jacq.) P.H.Raven | Lal banlanga | Herb, e | WL      | M, P     | M    | Shetu 719 (JUH) |
| **MELASTOMATACEAE** Juss.       |             |       |         |          |      |          |
| 128.  *Melastoma malabathricum* L. | Ban tejpata | Shrub | RS, ML  | D, M, R  | M    | Shetu 109 (JUH) |
| **COMBRETACEAE** R. Br.         |             |       |         |          |      |          |
| 129.  *Combretum album* Pers.    | Kali gumuchi | Herb, e | SJ      | S        | -    | Shetu 654 (JUH) |
| 130.  *Terminalia arjuna* (Roxb. ex DC.) Arjun | Wight & Arn. | Tree, l | WD      | S        | M    | Shetu 539 (JUH) |
| **OLACACEAE** R. Br.            |             |       |         |          |      |          |
| 131.  *Olax acuminata* Wall. ex Benh. | Capsul gach | Shrub | SJ      | S        | M    | Shetu 188 (JUH) |
| **EUPHORBIACEAE** Juss.         |             |       |         |          |      |          |
| 132.  *Acalypha indica* L.      | Muktajhuri  | Herb, e | ML      | M, S     | M    | Shetu 723 (JUH) |
| 133.  *Aporosa octandra* (Buch.-Ham. ex D.Don) Vickery | Pat Kharolla | Tree, s | WD      | M, S    | Dy   | Shetu 386 (JUH) |
| 134.  *Brevia vitis-idaea* (Burm.f.) C.E.C. Fisch. | Vita Salpoti | Shrub | SJ      | M, S    | M    | Shetu 364 (JUH) |
| 135.  *Choerophora rottleri* (Geiseler) A. Juss. ex Spreng. | Khudi okra  | Herb, pr | RS      | M, P, S, K | M | Shetu 567 (JUH) |
| 136.  *Croton bonplandianus* Baill. | Banmarich  | Herb, e | ML, RS  | apsa    | M    | Shetu 43 (JUH)  |
| 137.  *Euphorbia hirta* L.      | Bara dudhia | Herb, pr | ML, RS  | apsa    | M    | Shetu 09 (JUH)  |
| 138.  *Glochidion multiloculare* (Rottler ex Wild.) Voigt | Aniatori | Shrub | HS      | S       | T    | Shetu 371 (JUH) |
| 139.  *Jatropha curcas* L.      | Bagh verenda | Tree, s | SJ      | D, S    | M    | Shetu 305 (JUH) |
| 140.  *Macaranga indica* Wight. | Gulle       | Tree, s | WD      | S       | M    | Shetu 1011 (JUH) |
| 141.  *M. caspidea* Boivin ex Baill. | Pelta Bura | Tree, m | SJ      | S       | M, Sw | Shetu 354 (JUH) |
| 142.  *Mallotus philippensis* (Lam.) Müll. Arg. | Kamela | Tree, m | WD      | S       | M    | Shetu 285 (JUH) |
| 143.  *P. niruri* L.            | Bhuiamla    | Herb, e | LB      | apsa    | M    | Shetu 518 (JUH) |
| 144.  *P. amarus* Schumach. & Thonn. | Amraloki  | Herb, e | SJ      | D, M, P | -    | Shetu 26 (JUH)  |
| 145.  *P. reticulatus* Poir.    | Chitki      | Shrub  | SJ, RB  | D, P, R | M    | Shetu 1026 (JUH) |
| 146.  *P. urinaria* L.          | Hazarmani   | Herb, e | SJ      | D, P, K | M    | Shetu 1036 (JUH) |
| 147.  *Suregada multiflora* (A.Juss.) | Ban-naranga | Tree, s | RS      | S       | T    | Shetu 234 (JUH) |
| 148.  *Ricinus communis* L.     | Bherenda    | Shrub  | SJ      | D, S    | M    | Shetu 1018 (JUH) |
| **RHAMNACEAE** Juss.            |             |       |         |          |      |          |
| 149.  *Ziziphus jujube* Mill.   | Bol boroi   | Tree, s | ML      | apsa    | M    | Shetu 531 (JUH) |
| 150.  *Z. oenopolia* (L.) Mill. | Banboroi    | Shrub  | SJ      | D, S    | M    | Shetu 385 (JUH) |
| **VITACEAE** Juss.              |             |       |         |          |      |          |
| 151.  *Cavratia trifolia* (L.) Domin | Amal Lata | Herb, cl | RB      | M, S    | M    | Shetu 212 (JUH) |
| **SAPINDACEAE** Juss.           |             |       |         |          |      |          |
| 152.  *Cardiospermum halicacabum* L. | Phutka   | Herb, cl | GL      | D, S, P | M    | Shetu 492 (JUH) |
| 153.  *Lepisanthes rubiginosa* (Roxb.) Leenh. | Rubiharina | Tree, s | GL      | S       | Fw, M | Shetu 157 (JUH) |
| **ANACARDIACEAE** R. Br.        |             |       |         |          |      |          |
| 154.  *Jamaica coromandelica* (Houtt.) Merr. | Jiga | Tree, m | RS      | M, R    | M    | Shetu 445 (JUH) |
| 155.  *Mangifera indica* L.     | Aam         | Tree, l | ML      | apsa    | Fr, Fw | Shetu 528 (JUH) |
| **MELIACEAE** Juss.             |             |       |         |          |      |          |
| 156.  *Azadirachta indica* A.Juss. | Neem       | Tree, l | RS      | apsa    | M, T | Shetu 536 (JUH) |
| 157.  *Swietenia mahagoni* (L.) Jacq. | Mahogini | Tree, l | WD      | apsa    | T    | Shetu 529 (JUH) |
| **RUTACEAE** Juss.              |             |       |         |          |      |          |
| 158.  *Aegle marmelos* (L.) Corrêa | Bel         | Tree, m | ML      | D, S    | M, Fr | Shetu 549 (JUH) |
| 159.  *Glycosmis pentaphylla* (Retz.) | Datmajani | Shrub | SJ      | D, P, S | M    | Shetu 98 (JUH)  |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| Murraya koenigii (L.) Spreng. | Curry pata | Shrub | SJ | S | Fr, Sp, M | Shetu 95 (JUH) |
| Zanthoxylum rhetsa DC. | Bajna | Tree, m | SJ | D, S | M | Shetu 344 (JUH) |
| Oxalis corniculata L. | Amrul | Herb, pr | RS | D, S | V, M | Shetu 120 (JUH) |
| O. debilis Kunth | Golapi amrul | Herb, pr | RS | S | M, O | Shetu 63 (JUH) |
| Centella asiatica (L.) Urb. | Thankuni | Herb, cr | GL | D, K, S | M, V | Shetu 110 (JUH) |
| Anisomeles indica | Tectona grandis | Shrub | SJ | D, P, S | M | Shetu 60 (JUH) |
| Parallia lata | Herb, c | HS | P, S | M | Shetu 197 (JUH) |
| Sarpagandha | Herb, e | HS | S | M | Shetu 1097 (JUH) |
| H. indicus | Shrub | SJ | D, P, S | M | Shetu 62 (JUH) |
| D. metel | Shrub | SJ | D, M, S | M | Shetu 303 (JUH) |
| H. virginianum | Shrub | SJ | D, P, S | M | Shetu 276 (JUH) |
| Cuscuta reflexa | Taran | Herb, ps | ML | D, P | M | Shetu 1019 (JUH) |
| Ipomoea alba | Bhui okra | Herb, cr | SJ | D, M, P | M | Shetu 72 (JUH) |
| Ipomoea alba | Dudd kolmi | Herb, cr | RB | D, S | M | Shetu 56 (JUH) |
| I. batatas | Kolmi shak | Herb, a | ML | M, P, S, V | Shetu 240 (JUH) |
| I. carica | Shal akun | Herb, cr | RB | M, S | M | Shetu 30 (JUH) |
| I. carica (L.) Sweet | Rail lata | Herb, cr | SJ | M, S | - | Shetu 736 (JUH) |
| I. carnea | Dhul kolmi | Shrub | WL | D, M, P | - | Shetu 602 (JUH) |
| I. carnea (L.) | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |
| I. carnea | Kantakari | Herb, e, cr | RS | P, S | M | Shetu 276 (JUH) |
| I. carnea | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |
| I. carnea | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |
| I. carnea | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |
| I. carnea | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |
| I. carnea | S. tovum | Gota begun | Herb, e | SJ | M, D, S | M | Shetu 303 (JUH) |

**Boraginaceae** Juss.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| Cordia dichotoma G. Forst. | Boula | Tree, m | SJ | S | M | Shetu 345 (JUH) |
| Heliotropium indicum L. | Hatisur | Herb, e | SJ | D, M, P | M | Shetu 45 (JUH) |
| Lantana camara L. | Kutus kanta | Shrub | SJ, ML | D, M, P, S | M | Shetu 67 (JUH) |
| Lippia alba (Mill.) N.E.Br. & P.Wilson | Pichas-lakri | Shrub | LB | P, S | - | Shetu 66 (JUH) |
| Physalaemus lucifer (L.) Greene | Vuiokra | Herb, cr | FL | M, P, S | M | Shetu 517 (JUH) |
| Tecoma grandis L. | Shegun | Tree, s | HS, WD P, S | T | Shetu 562 (JUH) |
| Anisomeles indica (L.) | Gobura | Herb, e | RS | S | M | Shetu 399 (JUH) |
| Clerodendrum infortunatum L. | Bhat | Shrub | FL | M, S, P | M | Shetu 151 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| *Duranta erecta* L. | Kanta mehedi | Shrub | RS | D, M, S | - | Shetu 226 (JUH) |
| *Hypitis suaveolens* (L.) Poit. | Tokma | Herb, e | SJ | S | M | Shetu 384 (JUH) |
| *Leucas aspera* (Willd.) Link. | Shetodrone | Herb, e | RS | D, P, S | M | Shetu 33 (JUH) |
| *L. zeylanica* (L.) W.T.Aiton | Dondokalosha | Herb, e | ML | D, S | M | Shetu 148 (JUH) |
| *Ocimum americanum* L. | Bon tulshi | Herb, e | RS | M, S | - | Shetu 442 (JUH) |
| *O. gratissimum* L. | Raam tulsi | Herb | ML | S | M | Shetu 1042 (JUH) |
| *O. reniflorum* L. | Kalo tulsi | Herb, e | SJ | S | M | Shetu 1292 (JUH) |
| *Vitex peduncularis* Wall. ex Schauer | Arsol | Tree, s | RS | P, S | M | Shetu 388 (JUH) |
| *V. negundo* L. | Nishinda | Tree, s | RB | S | M | Shetu 1088 (JUH) |
| **OLEACEAE** Hoffmanns. & Link | | | | | | |
| *Jasminum sambac* (L.) Aiton | Beli | Shrub | SJ | P, S | O | Shetu 272 (JUH) |
| **PLANTAGINACEAE** Juss. | | | | | | |
| *Mecardonia procumbens* (Mill.) Small | Ada birni | Herb, e | ML | K, R, S | - | Shetu 225 (JUH) |
| *Scoparia dulcis* L. | Bondhole | Herb, e | ML, RS | apsae R | M | Shetu 70 (JUH) |
| **LINDERNIACEAE** Borsch, Kai Müll. & Eb. Fisch. | | | | | | |
| *Lindernia ciliata* (Colsm.) Pennell | Herb, pr | GL | D, P | S | - | Shetu 134 (JUH) |
| *Torenia fournieri* Linden ex E. Fourn. | Neritoren | Herb, pr | SJ | D, P, S | O | Shetu 41 (JUH) |
| **MAZACEAE** Reveal | | | | | | |
| *Mazus pumilus* (Burm. f.) Steenis | Tutra | Herb, pr | GL | M, S | - | Shetu 23 (JUH) |
| **ACANTHACEAE** Juss. | | | | | | |
| *Andrographis paniculata* (Burm. f.) Nees | Kalomegh | Herb, e | SJ | S | M | Shetu 50 (JUH) |
| *Barleria prionitis* L. | Kantajati | Shrub | SJ | P, S | - | Shetu 48 (JUH) |
| *Hygrophiila philmoides* Nees | Filamo | Herb, e | LB | M, P | M | Shetu 94 (JUH) |
| *H. polyasperma* (Roxb.) T.Anderson | Murmura | Herb, e | ML | D, P | We | Shetu 61 (JUH) |
| *Justicia adhatoda* L. | Bashak | Shrub | FL | S | M | Shetu 1061 (JUH) |
| *J. diffusa* Willd. | Pitappra | Herb, e | RS, SJ | S | - | Shetu 292 (JUH) |
| *J. gendarussa* Burm.f. | Nilnishinda | Shrub | SJ | S | M | Shetu 123 (JUH) |
| *Lepidagathis incarva* Buch.-Ham. ex D. Don | Linagathis | Herb, e | SJ | S | - | Shetu 108 (JUH) |
| *Nelsonia canescens* (Lam.) Spreng. | Paramul | Herb, e | ML | P, S | - | Shetu 181 (JUH) |
| *Pseudopimpernelia* Juss. | | | | | | |
| *Phaelopsis imbricata* (Forssk.) Sweet | Kantasi | Herb, e | SJ | apsa | - | Shetu 46 (JUH) |
| *Ruellia tuberosa* L. | Alughanti | Herb, e | RS | M, P, S | - | Shetu 213 (JUH) |
| *Rungia pectinata* (L.) Nees | Pindi | Herb, pr | ML | D, K, M, FM | | Shetu 13 (JUH) |
| *Sroblanthes scaber* Nees | Khashkhasbila | Herb, e | SJ | K, P, S | - | Shetu 196 (JUH) |
| *Thambergia grandiflora* (Roxb. ex Neel lata Rottl.) Roxb. | Herb, cl | RS | P, R, S | O | Shetu 116 (JUH) |
| **BIGNONIACEAE** Juss. | | | | | | |
| *Oroxylum indicum* (L.) Kurz | Kanaidingi | Tree, m | WD | S | M | Shetu 221 (JUH) |
| **RUBIACEAE** Juss. | | | | | | |
| *Catanaranjam spinosus* (Thumb.) Tirveng. | Mankanta | Shrub | RB | D, P, S | M | Shetu 618 (JUH) |
| *Dentella repens* (L.) J.R. Forst. & G.Forst. | Bhuipat | Herb, pr | SJ | P, R, S | - | Shetu 266 (JUH) |
| *Hedyotis corymbosa* (L.) Lam. | Khet papra | Herb, pr | GL | P, S | - | Shetu 241 (JUH) |
| *H. scandens* Roxb. | Bish lata | Herb, pr | GL | P, S | M | Shetu 241 (JUH) |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 229. *H. verticillata* (L.) Lam. | Nota papra | Herb, pr | GL | P, S | Shetu 246 (JUH) |
| 230. *Exora acuminata* Roxb. | Nata rangan | Shrub | SJ | S | O | Shetu 190 (JUH) |
| 231. *I. coccinea* L. | Rangan | Shrub | RS | D, S, R | O | Shetu 1093 (JUH) |
| 232. *I. pavetta* Andr. | Ganghalrangan | Shrub | RS | S | O | Shetu 1050 (JUH) |
| 233. *Neolamarckia cadamba* (Roxb.) Bosser | Kadam | Tree, 1 | RS | D, M, P, S | O | Shetu 541 (JUH) |
| 234. *Paederia foetida* L. | Gorbohaisak | Herb, pr | SJ | S | M | Shetu 304 (JUH) |
| 235. *Richardia scabra* L. | Nakli ipecac | Herb, e | SJ | D, M, S | - | Shetu 236 (JUH) |
| 236. *Spermacoce articularis* L.f. | Deo horissing | Herb, pr | GL | D, S | - | Shetu 270 (JUH) |
| 237. *S. alata* Aubl. | Gluojhihul shak | Herb, pr | GL | D, S | - | Shetu 339 (JUH)? |
| **ASTERACEAE** Bercht. & J. Presl | | | | | |
| 238. *Acemia cauliflora* Delile | Vimraj | Herb, pr | FL | D, R, S | M | Shetu 02 (JUH) |
| 239. *Ageratum conyzoides* L. | Fukuri | Herb, e | RS, SJ | apsae | M | Shetu 20 (JUH) |
| 240. *Blumea densiflora* DC. | Nagorfuli | Herb, e | RS | apsa | M | Shetu 155 (JUH) |
| 241. *B. lacera* (Burm. f.) DC. | Barokukshim | Herb, pr, RS, SJ | apsae | M | Shetu 65 (JUH) |
| 242. *Chromolaena odorata* (L.) R. | Raillata | Shrub | SJ, FL | D, M, S | - | Shetu 36 (JUH) |
| M. King & H.Rob. | | | | | | |
| 243. *Cynanthium cinereum* (L.) H. Rob. | Shialumutra | Herb, e | ML | apsa | M | Shetu 153 (JUH) |
| Rob. Syn. *Vernonia cinerea* (L.) Less. | | | | | | |
| 244. *Eclipta prostrata* (L.) L. | Kalokeshi | Herb, pr | ML, FL | D, M, S | M | Shetu 08 (JUH) |
| 245. *Elephantopus scaber* L. | Hastipadi | Herb, e | FL, SJ | M, P, S | M | Shetu 65 (JUH) |
| 246. *Emilia coccinea* (Sims) G. Don. | - | Herb, e | SJ | D, S | - | Shetu 80 (JUH) |
| 247. *E. sonchifolia* (L.) DC. | - | Herb, e | SJ | M, P, S | - | Shetu 82 (JUH) |
| 248. *Enydra fluctuans* Lour. | Helencha | Herb, aq | WL | M, P | S | Shetu 99 (JUH) |
| 249. *Grangea madraspatana* (L.) | Namuti | Herb, e | RB | M, S | M | Shetu 53 (JUH) |
| M. King & H.Rob. | | | | | | |
| 250. *Mikania micrantha* Kunth | Assamlata | Herb, cl | SJ | D, M, P, S | M | Shetu 37 (JUH) |
| 251. *Pseudognaphalium luteoalbum* (L.) Hilliard & B. L. Burt | Bara kamma | Herb, e | SJ | M, P, S | M | Shetu 156 (JUH) |
| 252. *Sphagnum roseum* (L.) | Latadeji | Herb, e | SJ | P, S | M | Shetu 484 (JUH) |
| 253. *Syngnathus nodiflorus* (L.) Gaertn. | - | Herb, e | RS, FL | apsa | - | Shetu 21 (JUH) |
| 254. *Tridax procumbens* L. | Tridhara | Herb, e | FL | D, S, M | - | Shetu 15 (JUH) |
| 255. *Xanthium strumarium* L. | Ghagra | Herb, e | FL | P, R, K | M | Shetu 54 (JUH) |
| **LILIPSSIDA** Batsch | | | | | | |
| **ARECACEAE** Bercht. & J. Presl | | | | | | |
| 256. *Borassus flabellifer* L. | Tal | Tree, 1 | ML | M, S | Fr, Du, Ju | Shetu 546 (JUH) |
| 257. *Calamus tenuis* Roxb. | Jali bet | Herb, e | LB | S | Du | Shetu 300 (JUH) |
| 258. *Phoenix sylvestris* (L.) Roxb. | Doshi khejur | Tree, m | RS | D, S | Du, Ju | Shetu 1146 (JUH) |
| **ARACEAE** Juss. | | | | | | |
| 259. *Colocasia esculenta* (L.) Schott | Jangli-kachu | Herb, e | RB | apsae | S, V, M | Shetu 735 (JUH) |
| 260. *C. gigantea* (Blume) Hook.f. | Salad-kachu | Herb, e | ML | P, S | V | Shetu 737 (JUH) |
| 261. *Lassia spinosa* (L.) Thwaites | Kanta-kachu | Herb, e | SJ | P, S | V, M | Shetu 139 (JUH) |
| 262. *Pistia stratiotes* L. | Topapana | Herb, aq | WL | P, S | M | Shetu 595 (JUH) |
| 263. *Potamos coenduens* L. | Hati lata | Liana, cl | SJ | S | M | Shetu 273 (JUH) |
| 264. *Epipremnum aureum* (Linden & André) G.S.Bunting | Money plant | Liana, cl | ML | S | O | Shetu 141 (JUH) |
| 265. *Typhonium flagelliforme* (Lodd.) Ghechu | Herb, e | SJ, WL | P, S | M | Shetu 347 (JUH) |
| Blume | | | | | | |
| 266. *T. trilobatum* (L.) Schott | Ghetkul | Herb, e | SJ | P, S | V | Shetu 200 (JUH) |
| **LEMNACEAE** Martinov | | | | | | |
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 267. *Lehena perpusilla* Torr. | Khudipana | Herb, alq | WL | D, P | Fd, Gm | Shetu 619 (JUH) |
| 268. *E. minor* L. | Sujipana | Herb, alq | WL | D, P | Fd, Gm | Shetu 662 (JUH) |
| 269. *Spirodela polyrhiza* (L.) Schleid. | Tetulipana | Herb, alq | WL | D, P | Fd, Gm | Shetu 597 (JUH) |

**COMMELINACEAE** Mibb.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 270. *Commelina benghalensis* L. | Kanshira | Herb, e | GL | K, P, R, S | - | Shetu 140 (JUH) |
| 271. *C. diffusa* Burm.f. | Monayna kanshira | Herb, e | HS, RB | R, P, S | M | Shetu 299 (JUH) |
| 272. *C. erecta* L. | Jata kanchira | Herb, e | SJ | K, R, S | V | Shetu 372 (JUH) |

**POACEAE** Barnhart.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 273. *Barnhartia benghalensis* (L.) Barnhart | Kureli | Herb, e | FL, RS | apsa R | - | Shetu 1313 (JUH) |

**Cyperaceae** Juss.

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 274. *Cyperus iria* L. | Barachacha | Herb, e | GL | apsa | Sb | Shetu 397 (JUH) |
| 275. *C. esculenta* (L.) Kunze | Kosha | Herb, e | SJ | R, S, K | We | Shetu 277 (JUH) |
| 276. *C. distans* Kunth | Sagarviumii methi | Herb, e | SJ | apsa M | Sb | Shetu 480 (JUH) |

| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE |
|-----------------|-------------|-------|---------|----------|------|-----|
| 278. *C. michelianus* (L.) Delile | Nakfuli ghasi | Herb, e | GL | M, S | - | Shetu 426 (JUH) |
| 279. *C. rottboelli* L. | Mutha | Herb, e | SJ | apsa M | M | Shetu 396 (JUH) |
| 280. *Fimbristylis schenckiana* (Retz.) Vahl | Kesari malanga ghasi | Herb, e | GL | M, P, S | - | Shetu 342 (JUH) |

**DISTRIBUTION**

- Sb: Shetedu 34 (JUH)
- Shetedu 319 (JUH)
- Shetedu 394 (JUH)
- Shetedu 397 (JUH)
- Shetedu 399 (JUH)
- Shetedu 396 (JUH)

**USES**

- Shetu 497 (JUH)
- Shetu 31 (JUH)
- Shetu 315 (JUH)
- Shetu 340 (JUH)
- Shetu 353 (JUH)
- Shetu 402 (JUH)
- Shetu 220 (JUH)
- Shetu 225 (JUH)
- Shetu 358 (JUH)
- Shetu 402 (JUH)
- Shetu 353 (JUH)
- Shetu 315 (JUH)
- Shetu 340 (JUH)
- Shetu 31 (JUH)
- Shetu 497 (JUH)
| Scientific name | Bangla name | Habit | Habitat | Distrib. | Uses | RSE         |
|-----------------|-------------|-------|---------|----------|------|-------------|
| 302. *Cotis lacryma-jobi* L. | Kunch | Herb, e | LB | D, S | - | Shetu 380(JUH) |
| 303. *Cynodon dactylon* (L.) Pers. | Durba ghas | Herb, cr | ML | RS | apsa | O, Fd, SbShetu 10(JUH) |
| 304. *Cymbopogon oxyphyllum* (Stud.) Oxycooca ghas | Herb, e | ML | RS | M, S | - | Shetu 644(JUH) |
| 305. *C. patens* (L.) A.Camus | Patococa ghas | Herb, cr | GL | S | We | Shetu 843(JUH) |
| 306. *Dactyloctenium aegyptioides* (L.) Willd. | Kakpaya | Herb, e | ML | RS | D, S | - | Shetu 399(JUH) |
| 307. *Dichanthium annulatum* (Forssk.) Stapf | Loari | Herb, e | GL | P, S | - | Shetu 18(JUH) |
| 308. *D. curvula* (L.) A.Camus | Detara | Herb, e | GL | P, S | - | Shetu 132(JUH) |
| 309. *Digitaria setigera* Roth | Shetu ghas | Herb, cr | LB | D, RS | We | Shetu 194(JUH) |
| 310. *Echinochloa colona* (L.) Link | Shama ghas | Herb, e | GL | D, P | S | Fd | Shetu 403(JUH) |
| 311. *E. crus-galli* (L.) P.Beauv. | Bara shama ghas | Herb, e | GL | M, S | Fd | Fd, Fd | Shetu 162(JUH) |
| 312. *Eleusine indica* (L.) Gaertn. | Malankuri | Herb, e | SJ | K, M, S | Fd | Fd, Sb | Shetu 25(JUH) |
| 313. *Eragrostis amabilis* (L.) Wight & Arn. | Koni ghas | Herb, e | GL | M, S | Fd | Fd | Shetu 377(JUH) |
| 314. *E. unioloides* (Retz.) Nees ex Steud. | Chirakoni | Herb, e | SJ | K, M, S | Fd, Gm | Shetu 324(JUH) |
| 315. *Eriochloa proceras* (Retz.) C.E. Hubb. | Nol ghas | Herb, e | LB | D, K, M, S | - | Shetu 363(JUH) |
| 316. *Hemarthria protensa* Steud. | Chaila | Herb, e | GL | P, S | - | Shetu 274(JUH) |
| 317. *Imperata cylindrica* (L.) Raeusch. | Chihan | Herb, e | SJ | M, S | Fd, M | Shetu 199(JUH) |
| 318. *Leersia hexandra* Sw. | Arali ghas | Herb, pr | ML | S | Fd | Shetu 69(JUH) |
| 319. *Leptochloa chinensis* (L.) Nees | Fulka ghas | Herb, e | GL | P, S | Fd | Fd | Shetu 209(JUH) |
| 320. *Opismenus barmanni* (Retz.) P. Beauv. | Jabri durba | Herb, e | RS | K, P, S | Fd | Fd | Shetu 27(JUH) |
| 321. *O. compositus* (L.) P. Beauv. | Gohur | Herb, e | HS | P, R, S | - | Shetu 398(JUH) |
| 322. *Panicum brevifolium* L. | Panibrevi ghas | Herb, e | RS | D, S | - | Shetu 336(JUH) |
| 323. *P. dichotomiflorum* Michx. | Barti | Herb, e | GL | D, S | Fd | Shetu 312(JUH) |
| 324. *P. repens* L. | Dhanighas | Herb, e | GL | D, S | Fd | Shetu 351(JUH) |
| 325. *Paspalidium flavidum* (Retz.) A. Camus | Karin ghas | Herb, e | RS | D, S | - | Shetu 330(JUH) |
| 326. *Paspalum thunbergii* Kunth ex Steud. | Bishnoma ghas | Herb, e | GL | D, S | - | Shetu 400(JUH) |
| 327. *Sacccharum spontaneum* L. | Kash | Herb, e | SJ | D, P | Fd | Shetu 511(JUH) |
| 328. *Sacciolepis myosuroides* (R. Br.) A.Camus | Mysurdolla ghas | Herb, e | GL | S | - | Shetu 360(JUH) |
| 329. *Setaria palmifolia* (J.Koenig) Stapf | Urodhan | Herb, e | RS | P, S | Fd, M | Shetu 391(JUH) |
| 330. *Sporobolus diandrus* (Retz.) P. Beauv. | Bina joni | Herb, e | LB | S | Fd | Shetu 12(JUH) |
| 331. *S. pyramidalis* P. Beauv. | Aibhalajoni ghas | Herb, e | GL | S | - | Shetu 229(JUH) |
| 332. *Urochloa panicoides* (Retz.) P. Beauv. | Kuridana | Herb, e | GL | P, S | Fd | Shetu 135(JUH) |
| 333. *Chrysopogon zizanioides* (L.) Roberty | Gandha bena | Herb, e | GL | S | M | Shetu 370(JUH) |

**ZINGIBERACEAE** Martinov

- **Curcuma phaeocaulis** Valeton | Shoti | Herb, e | HS | P, S | M | Shetu 614(JUH) |

**COSTACEAE** Nakai.

- **Hellenia speciosa** (J. Koenig) Govaerts. | Bandugi | Herb, e | SJ | S | M | Shetu 310(JUH) |

**CANNACEAE** Juss.
In greater Mirpur, Shah-Ali p.s. area including National Botanical Garden is found to harbour highest number of species (284) followed by Pallabi-, Darus Salam- and Mirpur p.s. areas with 176, 138 and 122 species respectively. Lowest number of species are recorded from Rupnagar- and Kafrul p.s. areas (78 and 69 species respectively).

The composition and distribution of species in the areas of six p.s., viz. Darus-Salam, Shah Ali, Mirpur, Pallabi, Rupnagar and Kafrul, are found to be variable remarkably. 25 species are commonly distributed in all of six p.s. areas, 16 species in four to five p.s. areas, 75 species in three p.s. areas and 139 species in two p.s. areas, while 73 species are exclusively found only in Shah-Ai area. *Lathyrus sativus* L. and *Zeuxine strateumatica* (L.) Schltr. are found only in Darus-Salam and *Sida spinosa* L. only in Kafrul. Species composition in Darus Salam and Kafrul is very poor. The occurrence of total 284 species in Shah Ali, with 73 species exclusive, indicates that in greater Mirpur, this area is relatively rich in angiospermic species than other five areas.

The number of angiospermic species existing in greater Mirpur area, as recorded in this study, seems higher than the species records from some forest areas, e.g., Bhawal National Park, Gazipur (Rahman & Hassan, 1995); Madhupur National Park, Tangail (Rashid & Mia, 2001) and Teknaf Game Reserve (Khan et al., 1994), and semi-urban...
areas, e.g., Daulatpur Upazila, Kushtia (Moniruzzaman et al., 2012) and Dhamrai Upazila, Dhaka (Rahman et al., 2012). But it is lesser than the reports on some forest areas, e.g., Chunati Wild life Santuaray (Khan & Huq, 2001); Himchari National Park (Uddin & Rahman, 1999), and Lawachara National Park, Moulvibazar (Uddin & Hassan, 2010). The inconsistency in the records of these inimitable studies might be due to the method and depth of investigation and variation in floristic composition etc. A comparative study on the factors of floristic richness (Kagiampaki et al., 2011; Chen et al., 2014; Solefack et al., 2018) of these areas might reveal the actual reasons of such different findings. However, it can be concluded that, the species richness of an urban area might not be negligible and a good number of plant species can be conserved there besides human settlements.

In the study area, the species of Angiosperms are found to be distributed in different habitats in different extent. Scrub jungles harbouring a total of 90 species are found to be the most common habitat of Angiosperms in the study area, which is followed by marginal lands (71 species), road sides (66 species), grasslands (65 species), lake banks (24 species), fallow lands (17 species), woodlands (17 species), river banks (14 species) and highland slope and wet lands (10 species each). About 89% of the total number of species recorded from the study area are exclusively distributed in these habitats, whereas ca.11% of the species are overlapping in two or more habitats. Among the habitats, fallow lands are found to harbor highest percent (41%) of overlapping species, which is followed by road sides (33%), marginal lands (30%), river bank (22%), scrub jungles (16%), grass lands, high land slope and wet lands (10% each), lake banks (9%) and woodlands (6%).

A total of 281 economically important angiosperm species of Mirpur area, have been recorded during this study. Most of these species can be categorized under the major economic categories as medicinals (193 species), fodders (29 species), timbers (23 species), fruits (18 species), vegetables (21 species), ornamentals (18 species), soil binders (06 species), fuel woods (03), and species of domestic uses (03 species). A lower number of the economically important species fall under minor economic categories that include 11 species of weed, eight species of green manure, six species of fibers, three species of soft wood, two species of juice and pulse, one species of spices, perfume, and dye each. Rest of the 65 species of the study area, that are not yet known to be useful economically except for their importance as the components of different ecosystems, might also be discovered as important repositories of wild genetic resources. The threatened species Andrographis paniculata (Burm.f.) Nees and Rauvolfia serpentina (L.) Benth. ex Kurz, listed in Red Data Book (Khan et al., 2001) under Data Defficient (DD) and Lower Risk (LR) categories respectively, are found to occur only in some habitats of National Botanical Garden and its surrounding area under Shah Ali p.s. area with poor natural regeneration and therefore, fall under Vulnerable (V) category for the study area.

The checklist (Table 1) provides basic information on the species of Angiosperms currently occurring in the study area. It can serve as an important baseline to track the trend of changes in the floristic composition and biological diversity of this rapidly expanding urban area in course of time and different biogeographical processes. These
data might be useful in planning and implementation of various development works keeping healthier and sustainable environment through maintaining the natural repositories of wild genetic resources along with plantation of trees and ornamentals in Dhaka city.

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