Jahangirnagar University J. Biol. Sci. **7**(2): 47-64, 2018 (December)

Checklist of Angiosperms extant in Mirpur area of Dhaka city

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Abstract

This study has recognized the occurance 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 km^2 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.

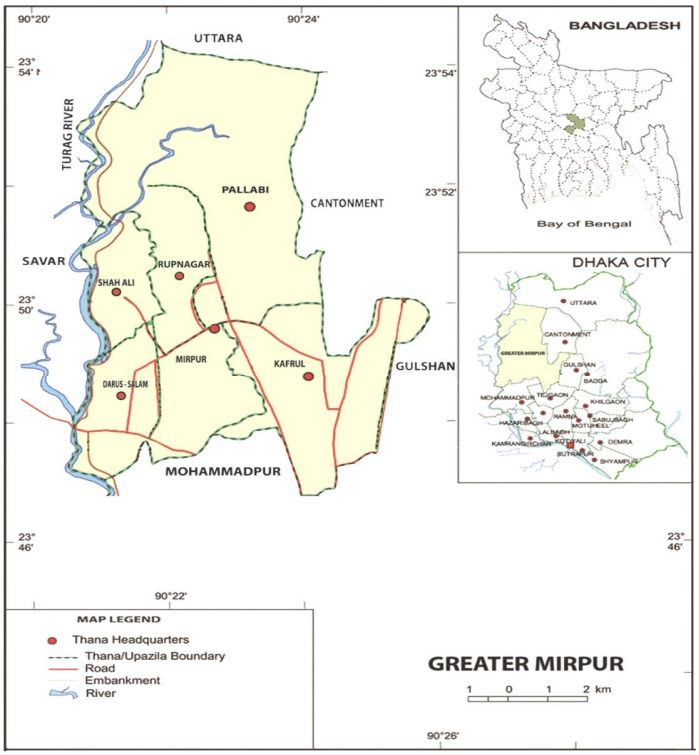

Fig. 1. Map of the study area (greater Mirpur, Dhaka)

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 and preserved 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.						
ANNONACEAE Juss.						
1. *Annona squamosa* L.	Ata	Tree, s	WD	D, P	Fr	Shetu 261 (JUH)
2. *Polyalthia suberosa* (Roxb.) Thwaites	Shubodaru	Tree, s	RS	K, P, R, S	O, T	Shetu 286 (JUH)
LAURACEAE Juss.						
3. *Litsea glutinosa* (Lour.) C.B. Rob.	Pipalti	Tree, s	WD	S	-	Shetu 251 (JUH)
4. *L. monopetala* (Roxb.) Pers.	Mendaphuri	Tree, s	WD	S	M, Fr, T	Shetu 206 (JUH)
PIPERACEAE Giseke						
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)
ARISTOLOCHIACEAE Juss.						
7. *Aristolochia indica* L.	Isharmul	Herb, cl	HS	S	-	Shetu 93 (JUH)
RANUNCULACEAE Juss.						
8. *Ranunculus sceleratus* L.	Palik	Herb, e	RB	M, P, S	M	Shetu 423 (JUH)
MENISPERMACEAE Juss.						
9. *Cocculus hirsutus* (L.) W. Theob.	Daikhai	Herb, cl	RB	S	M	Shetu 111 (JUH)
10. *Cissampelos pareira* L.	Akanadi	Herb, vi	ML	S	M	Shetu 152 (JUH)
11. *Stephania japonica* (Thunb.) Miers	Nimukha	Herb, cl	SJ, ML	M, P, R, S	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 Mirb.						
15. *Trema orientalis* (L.) Blume	Banjiga	Tree, m	RS	D, S	Fw, Fd	Shetu 227 (JUH)
16. *Holoptelea integrifolia* Planch.	Banclulla	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.	Deua	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.	Kakdumur	Shrub	ML	M, S, P	Fr, M	Shetu 350 (JUH)

Scientific name	Bangla name	Habit	Habitat	Distrib.	Uses	RSE
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, M	Shetu 558 (JUH)
26. *Streblus asper* Lour.	Sheora	Tree, s	LB, FL	M, S, P	M	Shetu 1229 (JUH)
URTICACEAE Juss.						
27. *Gonostegia hirta* (Blume ex Hassk.) 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	M	Shetu 573 (JUH)
29. *Pouzolzia zeylanica* (L.) Benn.	Kullaruki	Herb, pr	ML, GL	K, M, S	M	Shetu 649 (JUH)
30. *Pilea microphylla* (L.) Liebm.	Latamaricha	Herb, pr	GL	apsa	M	Shetu 64 (JUH)
NYCTAGINACEAE Juss.						
31. *Boerhavia diffusa* L.	Punarnava	Herb, pr	ML	S	M	Shetu 49 (JUH)
CHENOPODIACEAE Vent.						
32. *Chenopodium album* L.	Bathua shak	Herb, cr	ML	D, P	M, V	Shetu 04 (JUH)
AMARANTHACEAE Juss.						
33. *Achyranthes aspera* L.	Apang	Herb, e	GL	P, S	M	Shetu 30 1(JUH)
34. *Alternanthera paronychioides* 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.	Gobranotey	Herb, e	GL	D, P	V	Shetu 168 (JUH)
38. *A. spinosus* L.	Kantanotey	Herb, e	ML	P, R	V, M	Shetu 58 (JUH)
39. *A. viridis* L.	Notey shak	Herb, e	ML	P, R	V	Shetu 216 (JUH)
40. *Cyathula prostrata* (L.) Blume	Shyontula	Herb, pr	GL	K, S	M	Shetu 35 (JUH)
PORTULACACEAE Juss.						
41. *Portulaca oleracea* L.	Boronunia	Herb, pr	GL	M, S	M	Shetu 22 (JUH)
42. *P. quadrifida* L.	Chhoto nunia	Herb, pr	GL	M, S	M	Shetu 378 (JUH)
MOLLUGINACEAE Bartl.						
43. *Glinus lotoides* L.	Alugash.	Herb, pr	FL, LB	D, S	M, V	Shetu 174 (JUH)
44. *G. oppositifolius* (L.) Aug. DC.	Gima Shak	Herb, pr	GL	D, S	M	Shetu 422 (JUH)
45. *Mollugo pentaphylla* L.	Khetpapra	Herb, pr	GL	apsa	M, V	Shetu 652 (JUH)
CARYOPHYLLACEAE Juss.						
46. *Polycarpon prostratum* (Forssk.) Asch. & Schweinf.	Ghima	Herb, pr	LB	M, S	M	Shetu 178 (JUH)
POLYGONACEAE Juss.						
47. *Persicaria hydropiper* (L.) Delarbre	Biskatali	Herb, e	LB	M, P	M	Shetu 51 (JUH)
48. *P. orientalis* (L.) Spach	Bara panimorich	Herb, e	LB	M, P	M	Shetu 589 (JUH)
49. *Polygonum effusum* Meisn.	Raniphul	Herb, e	ML, GL	D, P	M	Shetu 434 (JUH)
50. *P. plebeium* R.Br.	Khudi-bishkatali	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 Salisb.						
53. *Dillenia indica* L.	Chalta	Tree, s	ML	D, S	Fr, M	Shetu 598 (JUH)
DIPTEROCARPACEAE Blume						
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)
CLUSIACEAE Lindl.						
56. *Mesua ferrea* L.	Nagessawar	Tree, s	RS	S	M	Shetu 706 (JUH)
TILIACEAE Juss.						

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.	Kasha phal	Tree, s	SJ	M, S	Gm, M	Shetu 338 (JUH)
60. *Triumfetta rhomboidea* Jacq.	Bon okra	Herb, e	GL, ML	P, R	Fb, M	Shetu 253 (JUH)
STERCULIACEAE Vent.						
61. *Abroma augusta* (L.) L.f.	Ulatkambal	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.	Mushak-dana	Herb, e	ML	D, M	M, F, O	Shetu 710 (JUH)
66. *Abutilon indicum* (L.) Sweet	Petari	Herb, e	ML	P, S	M, F	Shetu 521 (JUH)
67. *A. theophrasti* Medik.	Naniapat	Herb, e	LB	P, S	F	Shetu 210 (JUH)
68. *Hibiscus vitifolius* L.	Ban-karpas	Shrub	ML	P, S	Fb, M	Shetu 250 (JUH)
69. *Malvastrum coromandelianum* (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.) Borss. 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)
LECYTHIDACEAE A. Rich.						
76. *Barringtonia acutangula* (L.) Gaertn.	Hijol	Tree, m	LB	S	M	Shetu 628 (JUH)
FLACOURTIACEAE Rich. ex DC.						
77. *Flacourtia indica* (Burm.f.) Merr.	Beuchi	Shrub	SJ	S	M, Fr, T	Shetu 369 (JUH)
PASSFLORACEAE 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 grandis* (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)
82. *Luffa cylindrica* (L.) M.Roem.	Dhundal	Herb, cl	RS	M, P,	V, M	Shetu 826 (JUH)
83. *Momordica 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, M	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, cl	FL	M, S	M	Shetu 186 (JUH)
87. *Cleome rutidosperma* DC.	Begune hurhurey	Herb, e	FL	M, P	We	Shetu 24 (JUH)
BRASSICACEAE Burnett						
88. *Rorippa indica* (L.) Hiern	Bansarisha	Herb, e	GL	D, M. P	M	Shetu 523 (JUH)
SAPOTACEAE Juss.						
89. *Madhuca longifolia* (J. Koenig ex L.) J.F. Macbr.	Mohua	Tree, m	ML	S	M	Shetu 656 (JUH)
90. *Mimusops elengi* L.	Bokul	Tree, m	ML	apsae K	M,T	Shetu 438 (JUH)

Scientific name	Bangla name	Habit	Habitat	Distrib.	Uses	RSE
EBENACEAE Gürke						
91. *Diospyros malabarica* (Desr.) Kostel.	Deshi gab	Tree, l	ML	M, P, S	M	Shetu 103 (JUH)
ROSACEAE Juss.						
92. *Rosa chinensis* Jacq.	Kata golap	Shrub	ML	S	O	Shetu 831 (JUH)
MIMOSACEAE R. Br.						
93. *Mimosa pudica* L.	Lajjaboti	Shrub	ML, SJ	apsae K	M	Shetu 78 (JUH)
94. *Acacia auriculiformis* A. Cunn. ex Benth.	Akashmoni	Tree, l	WD	apsa	T	Shetu 548 (JUH)
95. *A. mangium* Willd.	Mangium	Tree, l	WD	K, P, R, S	T	Shetu 733 (JUH)
96. *Leucaena leucocephala* (Lam.) de Wit	Epil-epil	Tree, l	SJ	K, R, S	-	Shetu 561 (JUH)
CAESALPINIACEAE R. Br.						
97. *Caesalpinia bonduc* (L.) Roxb.	Nata	Shrub	SJ	D, S	M	Shetu 306 (JUH)
98. *Senna alata* (L.) Roxb.	Dadmardan	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.	Kalialata	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-motorsuti	Herb, pr	RS	D, S	M	Shetu 716 (JUH)
112. *D. triflorum* (L.) DC.	Kulalia	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. *Vicia hirsuta* (L.) Gray	Masurechana	Herb, cl	GL	D, M, P	Fd	Shetu 81 (JUH)
LYTHRACEAE J. St.-Hil.						
119. *Lagerstroemia speciosa* (L.) Pers.	Jarul	Tree, m	ML	S	O, T, M	Shetu 544 (JUH)
120. *Rotala rotundifolia* (Buch.-Ham. ex Roxb.) Koehne	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	apsae 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. Hara	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.) Wight & Arn.	Arjun	Tree, l	WD	S	M	Shetu 539 (JUH)
OLACACEAE R. Br.						
131. *Olax acuminata* Wall. ex Benth.	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. *Breynia vitis-idaea* (Burm.f.) C.E.C. Fisch.	Vita Salpoti	Shrub	SJ	M, S	M	Shetu 364 (JUH)
135. *Chrozophora 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 Willd.) 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. cuspidata* 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, T	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.) Baill.	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. *Cayratia 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. *Lannea 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
DC.						
160. *Murraya koenigii* (L.) Spreng.	Curry pata	Shrub	SJ	S	Fr, Sp, M	Shetu 95 (JUH)
161. *Zanthoxylum rhetsa* DC.	Bajna.	Tree, m	SJ	D, S	M	Shetu 344 (JUH)
OXALIDACEAE R. Br.						
162. *Oxalis corniculata* L.	Amrul	Herb, pr	RS	D, S,	V, M	Shetu 120 (JUH)
163. *O. debilis* Kunth	Golapi amrul	Herb, pr	RS	S	M, O	Shetu 63 (JUH)
APIACEAE Lindl.						
164. *Centella asiatica* (L.) Urb.	Thankuni	Herb, cr	GL	D, K, S	M, V	Shetu 110 (JUH)
GENTIANACEAE Juss.						
165. *Canscora diffusa* (Vahl) R. Br. ex Roem. & Schult.	Dhankuni	Herb, cr	ML	P, S	M	Shetu 725 (JUH)
APOCYNACEAE Juss.						
166. *Ichnocarpus frutescens* (L.) W.T. Aiton	Parallia lata	Herb, c	HS	P, S	M	Shetu 197 (JUH)
167. *Rauvolfia serpentina* (L.) Benth. ex Kurz	Sarpagandha	Herb, e	HS	S	M	Shetu 1097 (JUH)
168. *Tabernaemontana divaricata* (L.) R. Br. ex Roem. & Schult.	Tagar	Shrub	SJ	D, P, S	M	Shetu 60 (JUH)
ASCLEPIADACEAE Borkh.						
169. *Calotropis gigantea* (L.) Dryand.	Akand	Shrub	RS, SJ	S	M	Shetu 269 (JUH)
170. *Hemidesmus indicus* (L.) R.Br. ex Schult.	Anantamul	Herb, cl	SJ	S	M	Shetu 465 (JUH)
SOLANACEAE Juss.						
171. *Datura metel* L.	Dhutra	Shrub	SJ	D, S	M	Shetu 40 (JUH)
172. *D. stramonium* L.	Sada dhutra	Shrub	SJ	D, P, S	M	Shetu 359 (JUH)
173. *Nicotiana plumbaginifolia* Viv.	Ban tamak	Herb, e	RS	apsa	-	Shetu 92 (JUH)
174. *Physalis angulata* L.	Futka	Herb, e	RS	M, P, S	M	Shetu 83 (JUH)
175. *Solanum americanum* Mill.	Titbegun	Herb, e	SJ	D, S	M	Shetu 16 (JUH)
176. *S. sisymbrifolium* Lam.	Kanta begun	Herb, e	RS	D, S	-	Shetu 113 (JUH)
177. *S. torvum* Sw.	Gota begun	Herb, e	SJ	D, M, S	M	Shetu 303 (JUH)
178. *S. virginianum* L.	Kantakari	Herb, e	RS	P, S	M	Shetu 276 (JUH)
CONVOLVULACEAE Juss.						
179. *Cuscuta reflexa* Roxb.	Taru lata	Herb, ps	ML	D, P	M	Shetu 1019 (JUH)
180. *Evolvulus nummularius* (L.) L.	Bhui okra	Herb, cr	SJ	D, M, P	M	Shetu 72 (JUH)
181. *Ipomoea alba* L.	Dudh kolmi	Herb, cr	RB	D, S	M	Shetu 56 (JUH)
182. *I. aquatica* Forssk.	Kolmi shak	Herb, a	ML	M, P, S	V	Shetu 240 (JUH)
183. *I. batatas* (L.) Lam.	Shak alu	Herb, cr	RB	M, S	M	Shetu 30 (JUH)
184. *I. cairica* (L.) Sweet	Rail lata	Herb, cr	SJ	M, S	-	Shetu 736 (JUH)
185. *I. carnea* Jacq.	Dhol kolmi	Shrub	WL	D, M, P	-	Shetu 602 (JUH)
186. *Merremia umbellata* (L.) Hallier f.	Sada kalmi	Herb, cr	RS	S	M	Shetu 180 (JUH)
BORAGINACEAE Juss.						
187. *Cordia dichotoma* G. Forst.	Boula	Tree, m	SJ	S	M	Shetu 374 (JUH)
188. *Heliotropium indicum* L.	Hatisur	Herb, e	SJ	D, M, P	M	Shetu 45 (JUH)
VERBENACEAE J. St.-Hil.						
189. *Lantana camara* L.	Kutus kanta	Shrub	SJ, ML	D, M, P, S	M	Shetu 67 (JUH)
190. *Lippia alba* (Mill.) N.E.Br. ex Britton & P.Wilson	Pichas-lakri	Shrub	LB	P, S	-	Shetu 66 (JUH)
191. *Phyla nodiflora* (L.) Greene	Vuiokra	Herb, cr	FL	M, P, S	M	Shetu 517 (JUH)
192. *Tectona grandis* L.f.	Shegun	Tree, s	HS, WD	P, S	T	Shetu 562 (JUH)
LAMIACEAE Martinov						
193. *Anisomeles indica* (L.) Kuntze.	Gobura	Herb, e	RS	S	M	Shetu 309 (JUH)
194. *Clerodendrum infortunatum* L.	Bhat	Shrub	FL	M, S, P	M	Shetu 151 (JUH)

Scientific name	Bangla name	Habit	Habitat	Distrib.	Uses	RSE
195. *Duranta erecta* L.	Kanta mehedi	Shrub	RS	D, M, S	-	Shetu 226 (JUH)
196. *Hyptis suaveolens* (L.) Poit.	Tokma	Herb, e	SJ	S	M	Shetu 384 (JUH)
197. *Leucas aspera* (Willd.) Link.	Shetodrone	Herb, e	RS	D, P, S	M	Shetu 33 (JUH)
198. *L. zeylanica* (L.) W.T.Aiton	Dondokalosh	Herb, e	ML	D, S	M	Shetu 148 (JUH)
199. *Ocimum americanum* L.	Bon tulshi	Herb, e	RS	M, S	-	Shetu 442 (JUH)
200. *O. gratissimum* L.	Raam tulsi	Shrub	ML	S	M	Shetu 1042 (JUH)
201. *O. tenuiflorum* L.	Kalo tulsi	Herb, e	SJ	S	M	Shetu 1292 (JUH)
202. *Vitex peduncularis* Wall. ex Schauer	Arsol	Tree, s	RS	P, S	M	Shetu 388 (JUH)
203. *V. negundo* L.	Nishinda	Tree, s	RB	S	M	Shetu 1088 (JUH)
OLEACEAE Hoffmanns. & Link						
204. *Jasminum sambac* (L.) Aiton	Beli	Shrub	SJ	P, S	O	Shetu 272 (JUH)
PLANTAGINACEAE Juss.						
205. *Mecardonia procumbens* (Mill.) Small	Ada birni	Herb, e	ML	K, R, S	-	Shetu 225 (JUH)
206. *Scoparia dulcis* L.	Bondhone	Herb, e	ML, RS	apsae R	M	Shetu 70 (JUH)
LINDERNIACEAE Borsch, Kai Müll. & Eb. Fisch.						
207. *Lindernia ciliata* (Colsm.) Pennell	Bhui papri	Herb, pr	GL	D, P, S	-	Shetu 134 (JUH)
208. *Torenia fournieri* Linden ex E. Fourn.	Neritoren	Herb, pr	SJ	D, P, S	O	Shetu 41 (JUH)
MAZACEAE Reveal						
209. *Mazus pumilus* (Burm. f.) Steenis	Tutra	Herb, pr	GL	M, S	-	Shetu 23 (JUH)
ACANTHACEAE Juss.						
210. *Andrographis paniculata* (Burm. f.) Nees	Kalomegh	Herb, e	SJ	S	M	Shetu 50 (JUH)
211. *Barleria prionitis* L.	Kantajati	Shrub	SJ	P, S	-	Shetu 48 (JUH)
212. *Hygrophila phlomoides* Nees	Filamo	Herb, e	LB	M, P	M	Shetu 94 (JUH)
213. *H. polysperma* (Roxb.) T.Anderson	Murmura	Herb, e	ML	D, P	We	Shetu 61 (JUH)
214. *Justicia adhatoda* L.	Bashak	Shrub	FL	S	M	Shetu 1061 (JUH)
215. *J. diffusa* Willd.	Pitapapra	Herb, e	RS, SJ	S	-	Shetu 292 (JUH)
216. *J. gendarussa* Burm.f.	Nilnishinda	Shrub	SJ	S	M	Shetu 123 (JUH)
217. *Lepidagathis incurva* Buch.-Ham. ex D. Don	Linagathis	Herb, e	SJ	S	-	Shetu 108 (JUH)
218. *Nelsonia canescens* (Lam.) Spreng.	Paramul	Herb, e	ML	P, S	-	Shetu 181 (JUH)
219. *Phaulopsis imbricata* (Forssk.) Sweet	Kantasi	Herb, e	SJ	apsa	-	Shetu 46 (JUH)
220. *Ruellia tuberosa* L.	Alughanti	Herb, e	RS	M, P, S	-	Shetu 213 (JUH)
221. *Rungia pectinata* (L.) Nees	Pindi	Herb, pr	ML	D, K, M, P	M	Shetu 13 (JUH)
222. *Strobilanthes scaber* Nees	Khaskhasabila	Herb, e	SJ	K, P, S	-	Shetu 196 (JUH)
223. *Thunbergia grandiflora* (Roxb. ex Rottl.) Roxb.	Neel lata	Herb, cl	RS	P, R, S	O	Shetu 116 (JUH)
BIGNONIACEAE Juss.						
224. *Oroxylum indicum* (L.) Kurz	Kanaidingi	Tree, m	WD	S	M	Shetu 221 (JUH)
RUBIACEAE Juss.						
225. *Catunaregam spinosa* (Thunb.) Tirveng.	Mankanta	Shrub	RB	D, P, S	M	Shetu 618 (JUH)
226. *Dentella repens* (L.) J.R. Forst. & G.Forst.	Bhuipat	Herb, pr	SJ	P, R, S	-	Shetu 266 (JUH)
227. *Hedyotis corymbosa* (L.) Lam.	Khet papra	Herb, pr	GL	P, S	-	Shetu 241 (JUH)
228. *H. scandens* Roxb.	Bish lata	Herb, pr	GL	P, S	M	

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. *Ixora 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, l	RS	D, M, P, S	O	Shetu 541 (JUH)
234. *Paederia foetida* L.	Gorbobaishak	Herb, cl	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 horinsing	Herb, pr	GL	D, S	-	Shetu 270 (JUH)
237. *S. alata* Aubl.	Ghuiojhil shak	Herb, pr	GL	D, S	-	Shetu 339 (JUH)
ASTERACEAE Bercht. & J. Presl						
238. *Acmella caulirhiza* Delile	Vimraj	Herb, pr	FL	D, R, S	M	Shetu 02 (JUH)
239. *Ageratum conyzoides* L.	Fulkuri	Herb, e	RS, SJ	apsae M	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	M	Shetu 65 (JUH)
242. *Chromolaena odorata* (L.) R. M.King & H.Rob.	Raillata	Shrub	SJ, FL	D, M, S	-	Shetu 36 (JUH)
243. *Cyanthillium cinereum* (L.) H. Rob. Syn. *Vernonia cinerea* (L.) Less.	Shialmutra	Herb, e	ML	apsa	M	Shetu 153 (JUH)
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 651 (JUH)
246. *Emilia coccinea* (Sims) G. Don	-	Herb, e	SJ	D, S	-	Shetu 80 (JUH)
247. *E. sonchifolia* (L.) DC.	Mechitra	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 maderaspatana* (L.) Poir.	Namuti	Herb, e	RB	M, S	M	Shetu 53 (JUH)
250. *Mikania micrantha* Kunth	Assamlata	Herb, cl	SJ	D, M, P, S	M	Shetu 37 (JUH)
251. *Pseudognaphalium luteoalbum* (L.) Hilliard & B. L. Burtt	Bara kamra	Herb, e	SJ	M, P, S	M	Shetu 156 (JUH)
252. *Sphagneticola trilobata* (L.) Pruski	Latadeji	Herb, e	SJ	P, S	M	Shetu 484 (JUH)
253. *Synedrella nodiflora* (L.) Gaertn.	Nakphul	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)
LILIOPSIDA Batsch						
ARECACEAE Bercht. & J. Presl						
256. *Borassus flabellifer* L.	Tal	Tree, l	ML	M,S	Fr,Du,Ju	Shetu 546 (JUH)
257. *Calamus tenuis* Roxb.	Jali bet	Herb, cl	LB	S	Du	Shetu 300 (JUH)
258. *Phoenix sylvestris* (L.) Roxb.	Deshi 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. *Lasia 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. *Pothos scandens* 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.) Blume	Ghechu	Herb, e	SJ, WL	P, S	M	Shetu 347 (JUH)
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. *Lemna perpusilla* Torr.	Khudipana	Herb, aq	WL	D, P	Fd, Gm	Shetu 619 (JUH)
268. *L. minor* L.	Sujipana	Herb, aq	WL	D, P	Fd, Gm	Shetu 662 (JUH)
269. *Spirodela polyrhiza* (L.) Schleid.	Tetulipana	Herb, aq	WL	D, P	Fd, Gm	Shetu 597 (JUH)
COMMELINACEAE Mirb.						
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)
273. *Murdannia nudiflora* (L.) Brenan	Kureli	Herb, e	FL, RS	apsae R	-	Shetu 1313 (JUH)
CYPERACEAE Juss.						
274. *Cyperus iria* L.	Barachucha	Herb, e	GL	apsa	Sb	Shetu 397 (JUH)
275. *C. cyperoides* (L.) Kuntze	Kusha	Herb, e	SJ	R, S, K	We	Shetu 277 (JUH)
276. *C. cuspidatus* Kunth	Sagarmukhi methi	Herb, e	SJ	apsae M	Sb	Shetu 480 (JUH)
277. *C. distans* L.f.	Pani malango ghasi	Herb, e	GL	K, P, R, S	M	Shetu 201 (JUH)
278. *C. michelianus* (L.) Delile	Nakfuli ghasi	Herb, e	GL	M, S	-	Shetu 426 (JUH)
279. *C. rotundus* L.	Mutha	Herb, e	SJ	apsae M	M	Shetu 396 (JUH)
280. *Fimbristylis schoenoides* (Retz.) Vahl	Kesari malanga	Herb, e	GL	M, P, S	-	Shetu 342 (JUH)
281. *F. littoralis* Gaudich.	-	Herb, e	GL	apsae M	-	Shetu 319 (JUH)
282. *F. squarrosa* Vahl	Zumka chech	Herb, e	GL	P, R, S	-	Shetu 594 (JUH)
283. *Fuirena ciliaris* (L.) Roxb.	Poshmi gash	Herb, e	LB	P, R, S	-	Shetu 311 (JUH)
284. *F. umbellata* Rottb.	Sati ghasi	Herb, e	LB	P, R, S	M	Shetu 394 (JUH)
285. *Kyllinga brevifolia* Rottb.	Shabujnirbisa	Herb, e	RS	apsae M	Fd	Shetu 57 (JUH)
286. *K. nemoralis* (J.R. Forst. & G. Forst.) Dandy ex Hutch. & Dalziel	Subasinirbisa	Herb, e	SJ	apsae M	Fd	Shetu 73 (JUH)
287. *Murdannia nudiflora* (L.) Brenan	Kureli	Herb, e	GL	K, P, R	Fd	Shetu 313 (JUH)
288. *Pycreus polystachyos* (Rottb.) P. Beauv.	Paikpoli ghasi	Herb, e	SJ	S	Sb	Shetu 527 (JUH)
289. *P. pumilus* (L.) Nees	Paikpami ghasi	Herb, e	GL	P, S	-	Shetu 379 (JUH)
290. *Schoenoplectiella articulata* (L.) Lye	Patpati ghasi	Herb, e	LB	P, S	M	Shetu 519 (JUH)
291. *Scleria levis* Retz.	Rialevi ghasi	Herb, e	GL	P, S	-	Shetu 405 (JUH
292. *S. terrestris* (L.) Fassett	Dharal ghasi	Herb, e	ML, GL	S	We	Shetu 393 (JUH)
POACEAE Barnhart.						
293. *Arundinella bengalensis* (Spreng.) Druce	Ganga bena	Herb, e	GL	D, S	-	Shetu 320 (JUH)
294. *Axonopus compressus* (Sw.) P. Beauv.	Carpet ghas	Herb, cr	GL	apsae M	We	Shetu 220 (JUH)
295. *Bothriochloa insculpta* (A. Rich.) A. Camus	Barboda ghas	Herb, pr	GL	D, S	-	Shetu 358 (JUH)
296. *Brachiaria distachya* (L.) Stapf	Cori ghas	Herb, e	SJ	S	-	Shetu 402 (JUH)
297. *B. kurzii* (Hook. f.) A.Camus	Kurokti ghas	Herb, e	SJ	S	-	Shetu 353 (JUH)
298. *Cenchrus incertus* M.A. Curtis	Bela ghas	Herb, e	GL	D, S	We	Shetu 315 (JUH)
299. *Pennisetum glaucum* (L.) R. Br.	Bajra	Herb, e	GL	D, S	Fd	Shetu 340 (JUH)
300. *Centotheca lappacea* (L.) Desv.	Centughas	Herb, e	GL	S	Fd	Shetu 31 (JUH)
301. *Chrysopogon aciculatus* (Retz.) Trin.	Premkata	Herb, e	GL, RS	M, S	Sb	Shetu 497 (JUH)

Scientific name	Bangla name	Habit	Habitat	Distrib.	Uses	RSE
302. *Coix 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, Sb	Shetu 10 (JUH)
304. *Cyrtococcum oxyphyllum* (Steud.) Stapf	Oxycocca ghas	Herb, e	ML, RS	M, S	-	Shetu 644 (JUH)
305. *C. patens* (L.) A.Camus	Patcocca ghas	Herb, cr	GL	S	We	Shetu 843 (JUH)
306. *Dactyloctenium aegyptium* (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. caricosum* (L.) A.Camus	Detara	Herb, e	GL	P, S	-	Shetu 132 (JUH)
309. *Digitaria setigera* Roth	Sheti ghas	Herb, cr	LB	D, R, S	We	Shetu 14 (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	Shetu 162 (JUH)
312. *Eleusine indica* (L.) Gaertn.	Malankuri	Herb, e	SJ	K, M, S	Fd	Shetu 25 (JUH)
313. *Eragrostis amabilis* (L.) Wight & Arn.	Koni ghas	Herb, e	GL	M, S	Fd, Sb	Shetu 377 (JUH)
314. *E. unioloides* (Retz.) Nees ex Steud.	Chirakoni	Herb, e	SJ	K, M, S	Fd, Gm	Shetu 324 (JUH)
315. *Eriochloa procera* (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.	Chhan	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	Shetu 209 (JUH)
320. *Oplismenus burmanni* (Retz.) P. Beauv.	Jabri durba	Herb, e	RS	K, P, S	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.	Dhani ghass	Herb, e	GL	D, S	-	Shetu 351 (JUH)
325. *Paspalidium flavidum* (Retz.) A. Camus	Karin ghass	Herb, e	RS	D, S	-	Shetu 330 (JUH)
326. *Paspalum thunbergii* Kunth ex Steud.	Bishmona ghas	Herb, e	GL	D, S	-	Shetu 400 (JUH)
327. *Saccharum spontaneum* L.	Kash	Herb, e	SJ	D, P	Fd	Shetu 511 (JUH)
328. *Sacciolepis myosuroides* (R. Br.) A.Camus	Mysurdolla ghas	Herb	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.	Ailbelajoni ghas	Herb, e	GL	S	-	Shetu 229 (JUH)
332. *Urochloa panicoides* 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						
334. *Curcuma phaeocaulis* Valeton	Shoti	Herb, e	HS	P, S	M	Shetu 614 (JUH)
COSTACEAE Nakai.						
335. *Hellenia speciosa* (J. Koenig) Govaerts.	Bandugi	Herb, e	SJ	S	M	Shetu 310 (JUH)
CANNACEAE Juss.						

Scientific name	Bangla name	Habit	Habitat	Distrib.	Uses	RSE
336. *Canna indica* L.	Kolabati	Herb, e	HS	M, R, P	M, O	Shetu 738 (JUH)
PONTEDERIACEAE Kunth						
337. *Eichhornia crassipes* (Mart.) Solms.	Kachuri pana	Herb, aq	LB	P, S	Fd	Shetu 460 (JUH)
338. *Monochoria hastata* (L.) Solms	Baranukha	Herb, aq	LB	P, S	Fd	Shetu 490 (JUH)
LILIACEAE Juss.						
339. *Asparagus racemosus* Wild.	Shatamuli	Shrub	SJ	D, S	M	Shetu 424 (JUH)
340. *Gloriosa superba* L.	Ulatchandal	Herb, c	LB	S	M	Shetu 230 (JUH)
SMILACACEAE Vent.						
341. *Smilax ovalifolia* Roxb. ex D.Don	Kumari lata	Herb, cl	LB	S	M	Shetu 252 (JUH)
342. *S. perfoliata* Lour.	Choto kumari lata	Herb, cl	SJ	P, K	M	Shetu 611 (JUH)
DIOSCOREACEAE R. Br.						
343. *Dioscorea dodecaneura* Vell**.**	Amda lata	Herb, cl	GL	S	M	Shetu 366 (JUH)
344. *D. pentaphylla* L.	Jam alu	Herb, cl	SJ, RS	S	M	Shetu 224 (JUH)
ORCHIDACEAE Juss.						
345. *Zeuxine strateumatica* (L.) Schltr.	Martixine	Herb, e	GL	D	We	Shetu 455 (JUH)
346. *Vanda tessellata (*Roxb.) Hook. ex G.Don.	Rasna	Herb, ep	TB	P, S	Pe	Shetu 724 (JUH)

Habit: aq=aquatic, **cl**=climbing, **cr**=creeping, **de**=decumbent, **ep**=epiphytic, **er**=erect, **l**=large, **m**=medium, **pr**=prostrate, **ps**=parasitic, **s**=small, **sc**=scandent. **Habitat: FL**= fallow land, **GL**=grassland, **HS**=high land slope, **LB**=lake bank, **ML**=marginal land, **RB**=riverbank, **RS**=roadsides, **SJ**= scrub jungle **TB**= tree branch, **WD**=woodland, **WL**=wet land. **Distrib.=**Distribution: **apsa=**all police station (p.s.) areas**, apsae**=all police station areas excluding, **D**=Darus-Salam p.s., **K**=Kafrul p.s., **M**=Mirpur p.s., **P**=Pallabi p.s., **R**=Rupnagar p.s., **S**= Shah Ali p.s. **USE: Du**=domestic uses, **Dy**= dye, **Fb**=fibre, **Fd**=fodder, **Fr**=fruit, **Fw**=fuel wood, **Gm**=green manure, **In**=insecticide, **Ju**=juice, **M**=medicine, **O**=ornamental, **Pe**=perfume, **Pu**=pulse, **Sb**=soil binder, **Sp**=spice, **Sw**=soft wood, **T**=timber, **V**=vegetable, **We**=weed. **RSE**=Representative Specimens Examined.

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 remarkebly. 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 occurance 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.

Acknowledgements: The authors are grateful to the authority of the National Botanical Garden for the co-operation during the field works and the authorities of Bangladesh National Herbarium (DACB) and Dhaka University Salar Khan Herbarium (DUSH) for providing easy access to their libraries and herbarium materials. The authors are also thankful to the reviewers of the journal for their critical review of the manuscript.

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