

## AN ANNOTATED CHECKLIST OF THE VASCULAR FLORA OF COASTAL MANGROVE ECOSYSTEMS OF BARGUNA DISTRICT, BANGLADESH

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*Keywords:* Vascular Flora; Mangrove; Barguna; Bangladesh.

### Abstract

This study provides the basic taxonomic data on the vascular flora of the coastal mangrove ecosystems in Barguna district of Bangladesh. Plant samples and field data have been collected following walk through method. The present study reveals the occurrence of 532 species under 378 genera and 112 families in the study area, of which 24 are true mangroves, 46 mangrove associates and 461 non-mangroves. The pteridophytes are composed of 22 species under 20 genera of 12 families and gymnosperms of two species under two genera and two families. Magnoliopsida are composed of 375 species under 279 genera and 77 families, and Liliopsida of 133 species belonging to 77 genera under 21 families. Fabaceae with 28 species is recorded as the largest dicot family, followed by Asteraceae, Apocynaceae, Euphorbiaceae and Malvaceae. Poaceae with 45 species is the largest monocot family, followed by Cyperaceae, Araceae and Arecaceae. About 60.15% of these species are herbs, 21.80% trees, 15.79% shrubs, 1.88% palms and 0.38% bamboos. The study area composed with 74.06% native and 25.94% exotic species, 79.70% species are wild, 16.35% planted and 3.95% cultivated species. Majority of the species are found to grow in forest margin, roadside, woodland, wetland and river bank. Most of the species are economically useful as medicine, ornamental and vegetable. This study concludes that the floristic composition of coastal mangrove ecosystems of Barguna district is still rich though the area facing some severe threats. This study strongly recommends adopting effective master plan and implementing adequate measures for sustainable conservation and monitoring of the biodiversity of this disaster-prone area.

### Introduction

Taxonomic studies and publications provide basic information of the flora occurring within a specific geographical area, which is essential for plant scientists especially for the plant taxonomists, ecologists, forest managers and planners in understanding and conservation of biodiversity. Irrespective of a small geographical area (147570 km<sup>2</sup>, BBS, 2021), the floristic diversity of Bangladesh is very rich and hosting approximately 5000 species of angiosperms (Khan, 1977). But the floristic exploration throughout this country has not yet been completed during the last five decades after independence of the country, and the floristic compositions in most of the areas of this country are still unknown or poorly understood. A total of about 3886 species have been so far reported from its geographic boundary during the last one and half centuries through sporadically conducted various floristic studies (Hooker, 1872-1897; Prain, 1903a, b; Uddin *et al.*, 1998; Khan and Huq, 2001; Rashid and Mia, 2001; Uddin *et al.*, 2003; Siddiqui *et al.*, 2007; Ahmed *et al.*, 2008-2009; Ahmed *et al.*, 2009; Islam *et al.*, 2009; Arefin *et al.*, 2011; Sultana, 2012; Rahman *et al.*, 2015; Tabassum, 2015; Haque *et al.*, 2018; Shetu *et al.*,

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2018; Uddin and Hassan, 2018; Hossain *et al.*, 2020; Khanam *et al.*, 2020a, b; Roy and Khan, 2020a, b; Ashrafuzzaman and Sarwar, 2021; Hossain *et al.*, 2021; Khan *et al.*, 2021a, b; Ashrafuzzaman *et al.*, 2022; Hossain *et al.*, 2022). Therefore, there is a great opportunity to conduct baseline floristic studies in the areas where the floristic information is still lacking or scanty is very rational.

Bangladesh is the largest low-lying deltaic plain in the world (Sarker *et al.*, 2010) which is geomorphologically and hydrologically dominated by the Ganges-Brahmaputra-Meghna (GBM) river system and the Bay of Bengal. The coastal zone of the country represents 32% landmass (Islam and Rahman, 2015) which consisted of 70 islands of 19 districts and houses 29% of the total country population (Abu *et al.*, 2003, Hossain, 2001, Iftekhar, 2006, Ahmad, 2019). Depending on geographic features, the coastal zone is divided into three distinct regions, namely the western, central and eastern regions (Ahmed, 2011). The coastal area of Bangladesh is neither uniform, nor static; it is dynamic (Brammer, 2014). The 710 km long coastline composed of interface of various ecological systems, including mangroves, wetlands, natural canals, and floodplains (Nandy *et al.*, 2013), which support a very rich coastal and mangrove biodiversity.

The mangrove forest community in the south coastline especially, the south-western coastal area covered by the Sundarbans, and mid-central zone is covered by Haringhata reserve forest and Tengragiri wildlife sanctuary, has been taken into consideration as a green protected barrier in the recent years. The south-eastern zone covers a small patch of natural mangrove forest- the Chakaria Sundarban, which is one of the oldest mangroves in the subcontinent (Sarker *et al.*, 2010), but completely destroyed due to excessive human interference and expansion of shrimp farming (Hossain and Lin, 2001). However, the mangroves are one of the most productive (Jennerjahn and Ittekkot, 2002) and protective (Rahman and Rahman, 2015) ecosystems which have immense value to local, national and global communities (Tan *et al.*, 2009). They provide wide range of ecosystem goods like wood, medicine, foods including trapping sediments, fishery nursery ground, sewerage phytoremediation (Kaewtubtim *et al.*, 2016). Mangrove species are also capable to sequester and store carbon (Cusack *et al.*, 2018), reduced emissions from deforestation and degradation (Schroeder, 2014).

The mangrove ecosystems in Barguna district are situated in the central coastal region of the country. They are highly dynamic, but highly vulnerable to both climatic (like sea level rise, cyclone, storm surge, coastal inundation, salinity intrusion and land erosion are main the natural disasters (Iftekhar, 2006; MoWR, 1999) and non-climatic (like economic development, unplanned tourisms, plantation of wrong species, excessive grazing etc.) stressors (Nandy *et al.*, 2013; Rahman and Biswas, 2004). These stresses might have cause a heavy loss of its plant diversity and change in its floristic composition.

The basic floristic information of the mangrove ecosystems in Barguna district is still lacking. Therefore, the present study has been conducted for knowing the current floristic composition and threat generating activities and for providing valuable baseline information required for monitoring and effective sustainable conservation of the biodiversity and ecosystems of this area.

## Materials and Methods

Barguna district is a part of the central-coastal region of the country which belongs to the bio-ecological zone of the Ganges Flood Plain (IUCN, 2002). It lies between 21°48' and 22°29' north latitudes and between 89°52' and 90°22' east longitudes (District Statistics 2011 of Barguna, 2013). It is bounded by Barisal, Jhalokati and Patuakhali districts on the north, Patuakhali district on the east, the Bay of Bengal on the south and Pirojpur district and a part of Sundarbans under Bagerhat district on the west. This district comprises an area of 1939.39 km<sup>2</sup> including 399.74

km<sup>2</sup> riverine and 97.18 km<sup>2</sup> under forest (Kamal, 2012, Population and Housing Consensus-2011, 2015). It is intersected by five rivers *viz.*, Baleshwar, Bishkhali, Paira, Haringhata and Khakdon; and 300 natural canals. It has a tropical monsoonal climate with an annual average rainfall of 2,758 mm and annual average temperature of about 25°C (District Statistics 2011 of Barguna, 2013).

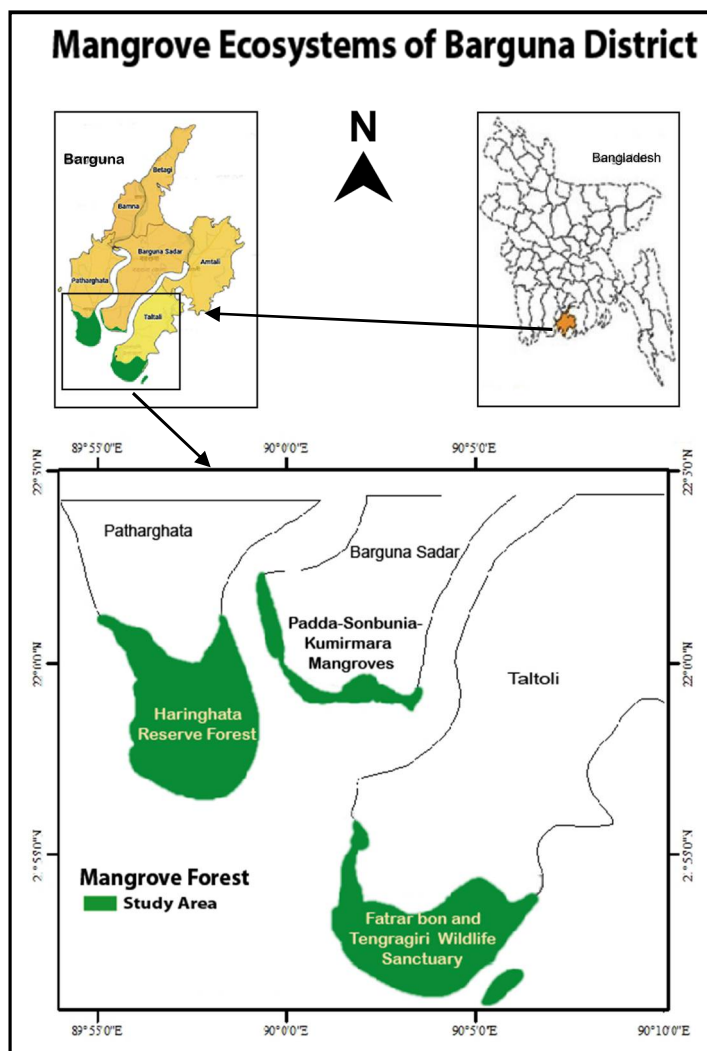


Fig. 1. Map showing the mangrove ecosystems of Barguna district.

Soil texture is composed of relative proportions of sand, silt and clay, but maximum area is covered with clay texture (64%) and the rest is clay loam texture (36%). Soils in the south region are both saline and clayey and salinity gradually increases with dryness from January and reached maximum level in the month April-May and decreases due to onset of monsoon rainfall (Population and Housing Consensus-2011, 2015).

The semi-natural and planted coastal mangrove ecosystems of this district are dominated in the sea facing three upazilas including Banguna sadar (4000 acre of Babugonj forest beat under Barguna forest range), Patharghata (3000 acre of Haringhata forest beat under Patharghata forest range) and Taltoli (13634.07 acre of Sakhina and Nishanbaria forest beats under Amtoli forest range) (Fig. 1).

Field surveys were conducted throughout all mangrove ecosystems of Barguna district during different seasons from 2015 to 2022. In this study all mangrove, mangrove associated and non-mangrove species of vascular plants found in wild and as planted or cultivated with their native and exotic origin have been documented. The collection of the vascular plant specimens were conducted following walk through method (Junaid, 2018). The processing, drying and preservation of plant specimens were done following standard herbarium methods and techniques (Bridson and Forman, 1989; Singh and Subramaniam, 2008). The identification of each taxon was done based on its voucher specimens collected by the first and second authors. Taxonomic identification of the specimens and verification of the nomenclatural information has been completed through consulting taxonomic descriptions and keys available in the relevant literatures (Hooker, 1872-1897; Prain, 1903a, b; Wu and Raven, 1994-2001; Wu *et al.*, 1999-2013; The Plant List, 2013; POWO, 2020; TROPICOS, 2021; Hossain *et al.*, 2021; Khan *et al.*, 2021b; Hossain *et al.*, 2022), and by matching with the respective voucher specimens of DACB and Jahangirnagar University Herbarium (JUH). The families of pteridophytes, gymnosperms and angiosperms have been arranged following the widely used classification systems of Pichi (1977), Kramer and Green (1990) and Cronquist (1988), respectively, whereas the genera and species under each family alphabetically. True mangrove and mangrove associated plant species were recognized following FAO (2007), Giesen *et al.* (2007) and Rahman *et al.* (2015).

Data on the uses of the species were recorded based on personal experience and also through interviews with the local people which were varifaied through consulting the relevant literature (Siddiqui *et al.*, 2007; Ahmed *et al.*, 2008-2009; Ahmed *et al.*, 2009; Hossain *et al.*, 2021; Khan *et al.*, 2021a, b; Annon, 2022; Hossain *et al.*, 2022). The rare status of the plant species was inferred through estimation of their current population size, occurrence, distribution range and regeneration in the area based on field observation.

## Results and Discussion

This study documents the occurrence of 532 species belonging to 378 genera under 112 families of vascular plants in the mangrove ecosystems of Barguna district, of which 24 (4.51%) species are true and obligatory mangroves, 46 (8.64%) are associates and facultative mangroves and the rest of 461 (86.65%) species are non-mangrove. During this study, Pteridophytes are represented by 22 species under 20 genera of 12 families and Gymnosperms of two species under two genera and families. Among the Angiosperms, dicotyledons are represented by 375 species of 279 genera and 77 families that constituted 70.49% of the vascular flora of the study area, whereas, monocotyledons by 133 species belonging to 77 genera under 21 families, which comprised 25.00% of this flora (Table 1). About 394 species (74.06%) of this vascular flora are native, whereas, 138 species (25.94%) are exotic to Bangladesh.

Pteridaceae and Salviniaceae with four species each representing the largest families of Pteridophyta, which is followed by Polypodiaceae and Thelypteridaceae with three species each. The rest of each families Athyriaceae, Blechnaceae, Lygodiaceae, Marsileaceae, Ophioglossaceae, Psilotaceae, Selaginellaceae and Vittariaceae represented by a single species. The two Gymnosperm families Araucariaceae and Cupressaceae is represented with only one species each. In dicotyledons, Fabaceae with 28 species is recorded as the largest family, which is followed by

Asteraceae (with 23 species), Apocynaceae (21 species), Euphorbiaceae (20 species) and Malvaceae (17 species). In monocotyledons, Poaceae is found as the largest family (with 45 species), which is followed by Cyperaceae (31 species), Araceae (15 species) and Arecaceae (10 species).

**Table 1. List of vascular flora of Mangrove ecosystems in Banguna district, Bangladesh.**

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<b>PTERIDOPHYTA</b> Schimp.						
<b>Psilotaceae</b> J.W. Griff. & Henfr.						
<i>Psilotum nudum</i> (L.) P.Beauv.	Psilotum	Herb, ep; w	Op	Tg	M	GMH 5827
<b>Selaginellaceae</b> Willk						
<i>Selaginella vaginata</i> Spring	Selaginella	Herb, pr; w	Fm, Wl	Hg, Psk, Tg	M	MRI 168
<b>Ophioglossaceae</b> Martinov						
<i>Ophioglossum reticulatum</i> L.	Sharpa jihba	Herb, er; w	Rs, Wl	Hg, Tg	M	GMH 5801
<b>Salviniaceae</b> Martinov						
<i>Azolla pinnata</i> R.Br.	Khudipana	Herb, ff; w	Wtl	Psk	Gm	MRI 469
<i>Salvinia cucullata</i> Roxb. ex Bory	Indur kanipana	Herb, ff; w	Wtl	Psk, Tg	Gm, O	MRI 464
<i>S. molesta</i> D.Mitch. #	Pani dhekia	Herb, ff; w	Wtl	Psk	Gm, O	MRI 471
<i>S. natans</i> (L.) All.	Pani dhekia	Herb, ff; w	Wtl	Psk, Tg	Gm, O	MRI 478
<b>Marsileaceae</b> Mirb.						
<i>Marsilea quadrifolia</i> L. #	Susni shak	Herb, cr; w	Wtl	Hg, Psk, Tg	Vg	MRI 462
<b>Lygodiaceae</b> M. Roem.						
<i>Lygodium flexuosum</i> (L.) Sw.	Saralata fern	Herb, cl; w	Fm, Wl	Psk, Tg	M	MRI 470
<b>Pteridaceae</b> E.D.M. Kirchn.						
* <i>Acrostichum aureum</i> L.	Tiger fern	Herb, er; w	Fm, Wl	Hg, Psk, Tg	M, Tm	GMH 5819
<i>Adiantum caudatum</i> L.	Khopa fern	Herb, ep; w	Op, Obw	Tg	O	MRI 482
<i>Ceratopteris thalictroides</i> (L.) Brongn.	Pani lettuce	Herb, er; w	Wtl	Tg	Vg	MRI 461
<i>Pteris vittata</i> L.	Dhekia	Herb, lp; w	Obw	Hg, Psk, Tg	M	MRI 078
<b>Vittariaceae</b> Ching						
* <i>Haplopteris elongata</i> (Sw.) E.H. Crane	Fitta fern	Herb, ep; w	Op, Wl	Hg	M, O	GMH 5807
<b>Polypodiaceae</b> J. Presl & C. Presl						
<i>Drynaria quercifolia</i> (L.) J. Sm.	Pankhiraj	Herb, ep; w	Op, Wl	Hg, Psk, Tg	M, O	MRI 474
<i>Microsorium punctatum</i> (L.) Copel.	Gucha patra	Herb, ep; w	Op, Wl	Hg, Psk, Tg	M, O	MRI 152
<i>Pyrosia nuda</i> (Giesenh.) Ching	Pyrosia	Herb, ep; w	Op, Wl	Hg, Psk, Tg	M	MRI 532
<b>Blechnaceae</b> Newman						
* <i>Stenochlaena palustris</i> (Burm.f.) Bed.	Dhekia lata	Herb, cl; w	Rb, Fm, Wl	Hg, Psk, Tg	M, Vg	GMH 5885
<b>Thelypteridaceae</b> Ching ex Pic. Serm.						
<i>Ampelopteris prolifera</i> (Retz.) Copel.	Dheki shak	Herb, cr; w	Fm, Wl	Tg	M	MRI 463
<i>Christella crinipes</i> (Hook.) Holttum	Bish dhekia	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 513
<i>Thelypteris dentata</i> (Forssk.) E.P.St.John	Datitila	Herb, cr; w	Fm, Wl	Psk, Tg	O, Vg	MRI 625
<b>Athyriaceae</b> Alston						
<i>Diplazium esculentum</i> (Retz.) Sw.	Dhekia shak	Herb, er; w	Fm, Wl	Hg, Tg	Vg	MRI 599
<b>GYMNOSPERMS</b> Prantl						
<b>Araucariaceae</b> Henkel & W. Hochst.						

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Araucaria heterophylla</i> (Salisb.) Franco #	X-mas tree	Tree, m; pl	Fm, Rs	Tg	O	MRI 611
<b>Cupressaceae</b> Gray						
<i>Platycladus orientalis</i> (L.) Franco #	Thuja	Shrub; pl	Fm, Rs	Tg	O	MRI 676
<b>MAGNOLIOPSIDA</b> Brongn.						
<b>Annonaceae</b> Juss.						
<i>Annona reticulata</i> L. #	Atta, nona	Tree, s; w	Fm, Rs	Hg, Psk, Tg	Fr	MRI 624
<i>Huberantha pendula</i> (Capuron ex G.E. Schatz & Le Thomas) Chaowasku #	Weeping debdaru	Tree, m; pl	Fm, Rs	Tg	O	MRI 561
<i>Monoon longifolium</i> (Sonn.) B.Xue & R.M.K.Saunders#	Debdaru	Tree, l; Pl	Rs, Wl	Hg, Psk, Tg	O, T	MRI 697
<b>Lauraceae</b> Juss.						
<i>Cassythia filiformis</i> L.	Akashbel	Herb, ps; w	Op	Tg	M	GMH 5836
<i>Litsea glutinosa</i> (Lour.) C.B.Rob.	Kukurchita	Tree, m; w	Fm, Wl	Hg, Psk, Tg	M	MRI 650
<b>Piperaceae</b> Giseke						
<i>Peperomia pellucida</i> (L.) Kunth #	Luchipata	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 566
<b>Aristolochiaceae</b> Juss.						
<i>Aristolochia indica</i> L.	Ishwarmul	Herb, cl; w	Fm, Wl	Tg	M	MRI 189
<b>Nymphaeaceae</b> Salisb.						
<i>Nymphaea nouchali</i> Burm. f.	Nilshapla	Herb, fl; w	Wtl	Hg, Psk, Tg	M, O	MRI 636
<i>N. pubescens</i> Willd.	Sadashapla	Herb, fl; w	Wtl	Hg, Psk, Tg	O, Vg	MRI 626
<i>N. rubra</i> Roxb. ex Andrews	Lalshapla	Herb, fl; w	Wtl	Psk, Tg	M, O	MRI 540
<b>Ceratophyllaceae</b> Gray						
<i>Ceratophyllum demersum</i> L.	Kantajhanjhi	Herb, sm; w	Wtl	Psk	M	MRI 670
<b>Ranunculaceae</b> Juss.						
<i>Ranunculus sceleratus</i> L.	Jhumka phul	Herb, er; w	Wtl	Psk, Tg	M	MRI 290
<b>Menispermaceae</b> Juss.						
<i>Stephania japonica</i> (Thunb.) Miers	Akandi manik	Herb, cl; w	Fm, Wl	Hg, Psk, Tg	M	GMH 5813
<i>Tinospora crispa</i> (L.) Hook. f. & Thomson	Gulancha	Herb, cl; w	Fm, Wl	Hg, Psk, Tg	M	MRI 657
<b>Cannabaceae</b> Martinov						
<i>Trema orientalis</i> (L.) Blume	Banjiga, jibon	Tree, m; w	Fm, Wl	Hg, Psk, Tg	Fw	MRI 677
<b>Moraceae</b> Gaudich.						
<i>Artocarpus heterophyllus</i> Lam. #	Kanthal	Tree, m; pl	Rs, Wl	Hg, Psk, Tg	Fr, T	MRI 514
<i>Ficus benghalensis</i> L.	Bot	Tree, l; w	Fm, Rs, Wl	Hg, Psk, Tg	O, Fw	MRI 522
<i>F. elastica</i> Roxb. ex Hornem.	Rubber bot	Tree, m; pl	Fm, Rs	Tg	O	MRI 594
<i>F. hispida</i> L. f.	Kakdumur	Tree, s; w	Fm, Rb, Wl	Hg, Psk, Tg	M, Vg	MRI 699
<i>F. racemosa</i> L.	Jagdumur	Tree, l; w	Rb, Wl	Hg, Psk, Tg	M	MRI 466
<i>F. religiosa</i> L.	Ashwath	Tree, l; w	Fm, Rs, Wl	Psk, Tg	M, O	MRI 225
<i>F. rumphii</i> Blume	Khiri bot	Tree, l; w	Fm, Rs, Wl	Hg, Psk, Tg	M, O	GMH 5803
<i>F. virens</i> Aiton	Shada pakur	Tree, l; w	Fm, Rs, Wl	Tg	Fw, M	GMH 5811
<i>Streblus asper</i> Lour.	Sheora	Tree, l; w	Fm, Rs, Wl	Hg, Psk, Tg	Fw, M	MRI 020
<b>Urticaceae</b> Juss.						
<i>Pilea microphylla</i> (L.) Liebm. #	Latamaricha	Herb, pr; w	Obw, Rs	Hg, Psk, Tg	M	MRI 467
<i>Pouzolzia zeylanica</i> (L.) Benn.	Kullaruki	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	GMH 5824

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<b>Casuarinaceae</b> R.Br.						
<i>Casuarina equisetifolia</i> L.	Jhaw	Tree, l; pl	Fm, Rs	Hg, Psk, Tg	O	GMH 5805
<b>Nyctaginaceae</b> Juss.						
<i>Boerhavia diffusa</i> L.	Punarnava	Herb, pr; w	Fm, Rs	Psk, Tg	M	GMH 5825
<i>Bougainvillea spectabilis</i> Willd. #	Baganbilash	Shrub, sc; pl	Fm, Rs	Hg, Psk, Tg	O	MRI 512
<i>Mirabilis jalapa</i> L. #	Sandhyamoni	Herb, er; pl	Fm, Rs	Tg	M, O	MRI 620
<b>Amaranthaceae</b> Juss.						
<i>Achyranthes aspera</i> L.	Apang	Herb, er; w	Fm, Wl	Hg, Psk, Tg	M	MRI 598
<i>Alternanthera paronychioides</i> A. St.-Hil. #	Jhuli khata	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 293
<i>A. philoxeroides</i> (Mart.) Griseb. #	Henchi	Herb, fl; w	Wtl	Hg, Psk, Tg	Gm, Vg	MRI 488
<i>A. sessilis</i> (L.) R.Br. ex DC. #	Malancha	Herb, pr; w	Fm, Rb, Rs	Hg, Psk, Tg	M, Vg	MRI 502
<i>Amaranthus blitum</i> L. #	Goburanotey	Herb, er; w	Fm, Rs	Hg, Tg	M, Vg	MRI 635
<i>A. spinosus</i> L. #	Kantanotey	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 649
<i>A. viridis</i> L. #	Notey shak	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 680
<i>Celosia argentea</i> L. #	Morogphul	Herb, er; pl	Fm, Rs	Psk, Tg	M, O	MRI 510
<i>Chenopodium album</i> L.	Botua shak	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 021
<i>Cyathula prostrata</i> (L.) Blume	Shyontula	Herb, pr; w	Fm, Rs	Psk, Tg	M	MRI 671
* <i>Suaeda maritima</i> (L.) Dumort.	Ban naringa	Herb, er; w	Fm, Sd	Tg	M	MRI 090
<b>Portulacaceae</b> Juss.						
<i>Portulaca grandiflora</i> Hook. #	Time phul	Herb, pr; pl	Fm, Rs	Tg	O	MRI 698
<i>P. oleracea</i> L. #	Boronunia	Herb, pr; w	Fm, Rs	Psk, Tg	M, Vg	MRI 688
<b>Basellaceae</b> Raf.						
<i>Basella alba</i> L.	Pui shak	Herb, cr; cv	Fm, Rs	Hg, Psk, Tg	Vg	MRI 487
<b>Molluginaceae</b> Bartl.						
<i>Glinus oppositifolius</i> (L.) A. DC.	Gima shak	Herb, pr; w	Fm, Rs, Sd	Tg	M, Vg	GMH 5863
<b>Polygonaceae</b> Juss.						
<i>Persicaria barbata</i> (L.) H.Hara	Biskatali	Herb, er; w	Fm, Wtl	Psk	M	MRI 468
<i>P. hydropiper</i> (L.) Delarbre	Biskatali	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	M	MRI 206
<i>P. orientalis</i> (L.) Spach	Bara panimarich	Herb, er; w	Fm, Wtl	Psk, Tg	M	MRI 640
<i>Rumex dentatus</i> L.	Bon palang	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 646
<i>R. maritimus</i> L.	Dati palang	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 571
<b>Plumbaginaceae</b> Juss.						
** <i>Aegialitis rotundifolia</i> Roxb.	Nunia	Shrub; w	Fm, Rb, Wl	Tg	Fw, M	GMH 5851
<b>Dilleniaceae</b> Salisb.						
<i>Dillenia indica</i> L.	Chalta	Tree, m; pl	Rs, Wl	Hg, Psk, Tg	Fr, M	MRI 472
<b>Clusiaceae</b> Lindl.						
* <i>Calophyllum inophyllum</i> L.	Punnul, punial	Tree, m; w	Fm, Rs, Wl	Tg	M, Oy	GMH 5872
<i>Mesua ferrea</i> L.	Nageshawr	Tree, s; pl	Rs	Psk, Tg	M, O	MRI 679
<b>Sterculiaceae</b> Vent.						
<i>Abroma augusta</i> (L.) L.f.	Ulatkambal	Shrub; w	Fm, Rs	Psk	Fb, M	MRI 500
<i>Melochia corchorifolia</i> L.	Tiki okra	Shrub; w	Fm, Rs	Psk, Tg	M	MRI 491

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<b>Bombacaceae</b> Kunth.						
<i>Bombax ceiba</i> L.	Shimul	Tree, l; w	Rs, Wl	Hg, Psk, Tg	Fb, M	MRI 577
<b>Malvaceae</b> Juss.						
<i>Abelmoschus esculentus</i> (L.) Moench	Dherosh	Herb, er; cv	Fm	Psk, Tg	Vg	MRI 666
<i>Abutilon indicum</i> (L.) Sweet	Petari	Shrub; w	Fm, Rs	Psk, Tg	Fb, M	MRI 689
* <i>Brownlowia tersa</i> (L.) Kosterm.	Lata sundri	Shrub; w	Rb, Wl	Hg, Psk, Tg	Fw, M	GMH 5855
<i>Ceiba pentandra</i> (L.) Gaertn. #	Shada shimul	Tree, m; pl	Fm, Rs	Psk	Fb, T	MRI 511
<i>Corchorus aestuans</i> L.	Jangli pat	Shrub; w	Fm, Rs	Hg, Psk, Tg	Fb, M	MRI 473
* <i>Heritiera fomes</i> Buch.-Ham.	Sundri	Tree, l; w	Wl	Hg, Psk, Tg	T	GMH 5867
<i>Hibiscus rosa-sinensis</i> L. #	Joba	Shrub; pl	Fm, Rs	Hg, Psk, Tg	O	MRI 590
<i>H. schizopetalus</i> (Dyer) Hook.f. #	Jhumko jaba	Shrub; pl	Fm, Rs	Psk	O	MRI 597
* <i>H. tiliaceus</i> L.	Bhola	Shrub, sc; w	Rb, Wl	Hg, Psk, Tg	Fb, Fw	MRI 366
<i>Malachra capitata</i> (L.) L. #	Bondheras	Herb, er; w	Fm, Rs	Tg	O	GMH 5883
<i>Malvaviscus arboreus</i> Dill. ex Cav. #	Morich joba	Shrub; pl	Fm, Rs	Tg	O	MRI 690
<i>Sida acuta</i> Burm. f.	Kureta	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 554
<i>S. cordata</i> (Burm. f.) Bross. Waalk.	Pitberela	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 637
<i>S. cordifolia</i> L.	Shet berela	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 581
<i>S. rhombifolia</i> L.	Lal berela	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Fb, M	MRI 596
<i>Triumfetta rhomboidea</i> Jacq.	Ban okra	Shrub; w	Fm, Rs	Psk, Tg	Fb, M	MRI 665
<i>Urena lobata</i> L.	Ban okra	Shrub; w	Fm, Rs	Hg, Psk, Tg	Fb, M	MRI 475
<b>Lecythidaceae</b> A. Rich.						
<i>Barringtonia acutangula</i> (L.) Gaertn.	Hijal	Tree, m; w	Fm, Rb, Wl	Hg, Psk	M, O	MRI 501
* <i>B. racemosa</i> (L.) Spreng.	Shamudra hijol	Tree, m; w	Fm, Rb	Psk	M, Fw	GMH 5877
<b>Tamaricaceae</b> Link						
* <i>Tamarix indica</i> Willd.	Nona jhaw	Tree, s; w	Fm, Rs, Wl	Hg, Psk, Tg	Fw, M	GMH 5802
<b>Passifloraceae</b> Juss. ex Roussel						
<i>Passiflora foetida</i> L. #	Jhumkalata	Herb, cl; w	Fm, Rs	Psk, Tg	Fr, M	MRI 555
<b>Caricaceae</b> Dumort.						
<i>Carica papaya</i> L. #	Papya	Tree, m; pl	Fm, Rs	Hg, Psk, Tg	Fr, Vg	MRI 619
<b>Cucurbitaceae</b> Juss.						
<i>Coccinia grandis</i> (L.) Voigt	Telakucha	Herb, cl; w	Fm, Wl	Hg, Psk, Tg	M, Vg	MRI 687
<i>Cucurbita maxima</i> Duchesne #	Misti kumra	Herb, cl; cv	Fm	Psk	M, Vg	MRI 490
<i>Lagenaria siceraria</i> (Molina) Standl.	Lao	Herb, cl; cv	Fm	Hg, Psk, Tg	M, Vg	MRI 601
<i>Luffa acutangula</i> (L.) Roxb.	Jhinga	Herb, cl; cv	Fm	Psk	M, Vg	MRI 678
<i>L. cylindrica</i> (L.) M.Roem.	Dhundal	Herb, cl; cv	Fm	Psk	M, Vg	MRI 696
<i>Momordica charantia</i> L.	Korolla	Herb, cl; cv	Fm	Hg, Psk, Tg	M, Vg	MRI 575
<i>Trichosanthes cucumerina</i> L.	Chichinga	Herb, cl; cv	Fm	Psk	M, Vg	MRI 586
<b>Salicaceae</b> Mirb.						
<i>Flacourtia indica</i> (Burm. f.) Merr.	Bauchi	Shrub; w	Fm, Rs, Wl	Hg, Psk, Tg	Fr, M	MRI 278
<b>Cleomaceae</b> Bercht. & J. Presl						
<i>Cleome rutidosperma</i> DC. #	Nil hurhurey	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 480
<i>C. viscosa</i> L.	Halud hurhurey	Herb, er; w	Fm, Rs	Psk, Tg	M, Vg	MRI 437



Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<b>Brassicaceae</b> Burnett						
<i>Rorippa indica</i> (L.) Hiern	Bansarisha	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 536
<b>Moringaceae</b> Martinov						
<i>Moringa oleifera</i> Lamk. #	Shajna	Tree, m; pl	Fm, Rs	Psk	M, Vg	MRI 564
<b>Sapotaceae</b> Juss.						
<i>Manilkara zapota</i> (L.) P.Royen #	Sopheda	Tree, m; pl	Rs	Hg, Psk, Tg	Fr, M	MRI 549
<i>Mimusops elengi</i> L.	Bokul	Tree, m; pl	Rs	Psk, Tg	M, O	MRI 631
<i>Planchonella obovata</i> (R.Br.) Pierre	Bankathal	Tree, s; w	Rb, Wl	Tg	M	GMH 5804
<b>Ebenaceae</b> Gürke						
<i>Diospyros discolor</i> Willd. #	Bilati gab	Tree, m; pl	Fm, Rs	Hg, Psk, Tg	Fr, M	MRI 592
<i>D. malabarica</i> (Desr.) Kostel.	Deshi gab	Tree, m; w	Rb; Wl	Psk, Tg		MRI 607
<b>Myrsinaceae</b> R.Br.						
<i>Ardisia solanacea</i> (Poir.) Roxb.	Banjam	Shrub; w	Wl	Hg, Psk, Tg	M, O	GMH 5821
<b>Primulaceae</b> Batsch						
** <i>Aegiceras corniculatum</i> (L.) Blanco	Kholshi	Shrub; w	Wl	Tg	Hp, Fw	GMH 5816
<b>Crassulaceae</b> J. St.-Hil.						
<i>Kalachoe pinnata</i> (Lam.) Pers. #	Patharkuchi	Herb, er; pl	Fm	Tg	M, O	MRI 498
<b>Rosaceae</b> Juss.						
<i>Rosa chinensis</i> Jacq. #	Jangli golap	Shrub; pl	Fm	Tg	He, M	MRI 476
<b>Mimosaceae</b> R.Br.						
<i>Acacia auriculiformis</i> A.Cunn. ex Benth #	Akashmoni	Tree, l; pl	Rs, Wl	Hg, Psk, Tg	T	MRI 250
<i>Albizia lebeck</i> (L.) Benth.	Kalo koro	Tree, l; w	Rs, Wl	Psk, Tg	T	MRI 494
<i>A. niopoides</i> var. <i>niopoides</i> (Spruce ex Benth.) Burkart #	Raj siris	Tree, l; pl	Rs	Hg, Psk, Tg	T	MRI 496
<i>A. procera</i> (Roxb.) Benth.	Shada koro	Tree, l; w	Rs, Wl	Psk, Tg	T	MRI 479
** <i>Cynometra ramiflora</i> L.	Shigra	Tree, s; w	Fm, Rb, Wl	Hg, Psk, Tg	Fw, M	GMH 5840
<i>Leucaena leucocephala</i> (Lam.) de Wit #	Ipil-ipil	Tree, l; w	Fm, Rs, Wl	Hg, Psk, Tg	T	MRI 484
<i>Mimosa pudica</i> L. #	Lajjaboti	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 505
<i>Samanea saman</i> (Jacq.) Merr. #	Shirish	Tree, l; pl	Fm, Rs, Wl	Hg, Psk, Tg	T	MRI 546
<i>Senegalia catechu</i> (L.f.) P.J.H.Hurter & Mabb.	Khoir	Tree, m; pl	Fm, Rs	Tg	Fw, M	GMH 5806
<i>Vachellia nilotica</i> (L.) P.J.H. Hurter & Mabb.	Babla	Tree, m; w	Fm, Rs	Hg, Psk, Tg	Gu, M	GMH 5817
<b>Caesalpiniaceae</b> R.Br.						
<i>Bauhinia acuminata</i> L.	Sada kanchon	Tree, s; pl	Fm, Rs	Psk, Tg	O	MRI 477
* <i>Caesalpinia crista</i> L.	Kutumkanta	Shrub, sc; w	Fm, Rb	Hg, Psk, Tg	M	MRI 061
<i>Cassia fistula</i> L.	Badarlathi	Tree, m; w	Fm, Rs	Psk, Tg	M, O	GMH 5890
<i>Delonix regia</i> (Bojer ex Hook.) Raf. #	Krishnachura	Tree, l; pl	Rs	Hg, Psk, Tg	M, O	MRI 538
<i>Guilandina bonduc</i> L. #	Nata kanta	Shrub, sc; w	Fm	Psk, Tg	M, Oy	GMH 5869
* <i>Intsia bijuga</i> (Colebr.) Kuntze.	Bhaila	Tree, s; w	Rb, Wl	Tg	M	GMH 5880
<i>Senna alata</i> (L.) Roxb. #	Dadmardan	Shrub; w	Fm, Rs	Psk	M	MRI 587
<i>S. occidentalis</i> (L.) Link #	Bara kalkesunda	Shrub; w	Fm, Rs	Psk, Tg	M	MRI 252
<i>S. siamea</i> (Lam.) H.S. Irwin & Barn. #	Minjuri	Tree, l; pl	Fm, Wl	Hg, Psk, Tg	Fw, O	MRI 603

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>S. sophera</i> (L.) Roxb. #	Kalkeshunda	Shrub; w	Fm, Rs	Psk	M	<i>MRI 614</i>
<i>S. tora</i> (L.) Roxb. #	Kalkeshunda	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	<i>MRI 629</i>
<i>Tamarindus indica</i> L. #	Tetul	Tree, l; w	Fm, Rs	Hg, Psk, Tg	Fr, T	<i>MRI 589</i>
<b>Fabaceae</b> Lindl.						
<i>Abrus precatorius</i> L.	Kunch, rati	Herb, cl; w	Fm, Rb	Tg	M	<i>MRI 171</i>
<i>Aeschynomene indica</i> L.	Kathshola	Shrub; w	Fm, Wtl	Psk, Tg	Fo	<i>MRI 381</i>
* <i>Aganope heptaphylla</i> (L.) Polhill	Panpata, satpata	Shrub, li; w	Fm, Rb	Tg	M	<i>GMH 5852</i>
<i>Brachypterum scandens</i> (Roxb.) Miq.	Mohajonilata	Shrub, li; w	Rb, Wl	Hg, Psk, Tg	M	<i>GMH 5808</i>
<i>Cajanus cajan</i> (L.) Huth #	Arhar	Shrub; cv	Fm, Rs	Psk	M, Pu	<i>MRI 602</i>
<i>C. scarabaeoides</i> (L.) Thouars	Banurkalki	Herb, cl; w	Fm	Psk, Tg	Gm, M	<i>MRI 485</i>
<i>Canavalia rosea</i> (Sw.) DC.	Banshim	Herb, cl; w	Fm, Sd	Hg	M	<i>MRI 493</i>
* <i>Canavalia maritima</i> Thouars	Banshim	Herb, cl; w	Fm, Sd	Hg	M	<i>GMH 5820</i>
<i>Clitoria ternatea</i> L. #	Aparajita	Herb, cl; w	Fm	Tg	M, O	<i>MRI 504</i>
<i>Crotalaria pallida</i> Aiton	Jhunjhuni	Shrub; w	Fm, Rs	Hg, Psk, Tg	Fb, M	<i>MRI 579</i>
* <i>Dalbergia candenatensis</i> (Dennst.) Prain	Chanda lata	Shrub, li; w	Rb, Wl	Hg, Psk, Tg	M	<i>GMH 5812</i>
<i>D. sissoo</i> Roxb. ex DC.	Sisoo	Tree, l; pl	Rs, Wl	Hg, Psk, Tg	T	<i>MRI 622</i>
* <i>D. spinosa</i> Roxb.	Kutum kanta	Shrub, sc; w	Rb, Wl	Hg, Psk, Tg	M	<i>GMH 5838</i>
* <i>Derris trifoliata</i> Lour.	Kalia lata	Herb, cl; w	Rb, Wl	Hg, Psk, Tg	Fb, M	<i>GMH 5847</i>
<i>Erythrina fusca</i> Lour.	Kanta mandar	Tree, s; pl	Fm, Rs	Psk, Tg	M, O	<i>MRI 642</i>
<i>E. stricta</i> Roxb.	Teli mandar	Tree, s; pl	Fm, Rs	Psk, Tg	M, O	<i>MRI 653</i>
<i>Grona heterophylla</i> (Willd.) H. Ohashi & K. Ohashi	Bon motorshuti	Herb, pr; w	Fm, Rs	Tg	Lf, M	<i>MRI 569</i>
<i>G. triflora</i> (L.) H. Ohashi & K. Ohashi	Kulalia	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	Gm, M	<i>MRI 499</i>
<i>Lablab purpureus</i> (L.) Sweet #	Shim	Herb, cl; cv	Fm	Hg, Psk, Tg	Pu, Vg	<i>MRI 515</i>
* <i>Mucuna gigantea</i> (Willd.) DC.	Bara alkushi	Herb, cl; w	Fm, Rb, Wl	Hg, Psk, Tg	M	<i>GMH 5830</i>
<i>M. monosperma</i> Wight	Nata alkushi	Herb, cl; w	Rb, Wl	Tg	M	<i>MRI 481</i>
<i>M. pruriens</i> (L.) DC.	Bichuti lata	Herb, cl; w	Fm	Tg	M	<i>MRI 508</i>
<i>Pleurolobus gangeticus</i> (L.) J. St.-Hil. ex H. Ohashi & K. Ohashi	Salpani	Shrub; w	Fm, Rs	Psk, Tg	Fb, M	<i>MRI 140</i>
* <i>Pongamia pinnata</i> (L.) Pierre	Koroch	Tree, m; w	Rb, Wl	Hg, Psk, Tg	Fw, M	<i>GMH 5844</i>
<i>Sesbania bispinosa</i> (Jacq.) W. Wight.	Dhoncha	Shrub; w	Fm, Wtl	Tg	Fb, Gm	<i>MRI 203</i>
<i>S. cannabina</i> (Retz.) Poir.	Dhonchi	Shrub; cv	Fm, Wtl	Psk, Tg	Fb, Gm	<i>MRI 517</i>
* <i>Vigna adenantha</i> (G. Mey.) Marechal & al.	Ban borboti	Herb, cl; w	Fm, Rs	Hg, Psk, Tg	Lf, Gm	<i>GMH 5809</i>
<i>V. mungo</i> (L.) Hepper.	Mashkalai	Herb, er; cv	Fm, Rs	Psk	Pl, Lf	<i>MRI 528</i>
<b>Lythraceae</b> J. St.-Hil.						
<i>Ammannia multiflora</i> Roxb. #	Acidpatta	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	M	<i>MRI 364</i>
<i>Lagerstroemia indica</i> L.	Jarul, furush	Tree, s; pl	Rs	Tg	M, O	<i>MRI 542</i>
<i>L. speciosa</i> (L.) Pers.	Jarul	Tree, l; pl	Rs, Wl	Hg, Psk, Tg	M, O	<i>MRI 530</i>
<i>Lawsonia inermis</i> L. #	Mehedi	Tree, s; pl	Fm	Hg, Psk, Tg	Dy, M	<i>MRI 617</i>
<i>Punica granatum</i> L. #	Dalim, bedana	Shrub; pl	Fm	Psk, Tg	Dy, Fr	<i>MRI 655</i>
** <i>Sonneratia apetala</i> Buch.-Ham.	Kewra	Tree, l; w	Rb, Wl	Hg, Psk, Tg	Fr, M	<i>MRI 406</i>
** <i>S. caseolaris</i> (L.) Engl.	Choila, ora	Tree, m; w	Rb	Hg, Psk, Tg	Fr, M	<i>GMH 5842</i>
<b>Myrtaceae</b> Juss.						
<i>Callistemon citrinus</i> (Curtis) Skeels #	Bottlebrush	Tree, s; pl	Fm, Rs	Tg	O	<i>MRI 568</i>

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Eucalyptus camaldulensis</i> Dehnh. #	Eucalyptus	Tree, l; pl	Rs, Wl	Hg, Psk, Tg	M, T	MRI 584
<i>Psidium guajava</i> L. #	Peyara	Tree, s; pl	Fm	Hg, Psk, Tg	Fr, M	MRI 547
<i>Syzygium cumini</i> (L.) Skeels	Kalojam	Tree, l; pl	Fm, Rs, Wl	Hg, Psk, Tg	Fr, T	MRI 440
<i>S. jambos</i> (L.) Alston	Golapjam	Tree, m; pl	Rs	Tg	Fr, M	MRI 552
<i>S. samarangense</i> (Blume) Merr. & L.M.Perry	Jamrul	Tree, m; pl	Fm	Psk, Tg	Fr	MRI 559
<b>Onagraceae</b> Juss.						
<i>Ludwigia adscendens</i> (L.) H. Hara	Keshordam	Herb, fl; w	Wtl	Hg, Psk, Tg	M	MRI 613
<i>L. hyssopifolia</i> (G. Don) Exell #	Pani palong	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Dy, M	MRI 644
<b>Combretaceae</b> R.Br.						
<i>Combretum indicum</i> (L.) DeFilipps	Madobi lata	Shrub, li; pl	Fm	Hg, Psk, Tg	M, O	MRI 674
** <i>Lumnitzera racemosa</i> Willd.	Kirpa	Tree, s; w	Fm, Rb, Wl	Tg	Dy, Fw	GMH 5810
<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Arjun	Tree, l; pl	Rs	Hg, Psk, Tg	M	MRI 693
<i>T. bellirica</i> (Gaertn.) Roxb.	Bohera	Tree, l; pl	Rs	Psk, Tg	M	MRI 684
<i>T. catappa</i> L.	Kathbadam	Tree, l; pl	Rs	Hg, Psk, Tg	M, Nu	MRI 001
<i>T. chebula</i> Retz.	Horitoki	Tree, l; pl	Rs	Psk, Tg	M	MRI 668
<b>Rhizophoraceae</b> Pers.						
** <i>Bruguiera gymnorhiza</i> (L.) Lam.	Lal kakra	Tree, l; w	Rb, Wl	Hg, Tg	Dy, T	MRI 662
** <i>B. sexangula</i> (Lour.) Poir.	Shobuj kakra	Tree, l; w	Rb, Wl	Hg, Tg	Dy, T	GMH 5815
** <i>Ceriops decandra</i> (Griff.) W.Theob.	Goran	Tree, s; w	Wl	Hg, Psk, Tg	Dy, Fw, Hp	GMH 5818
** <i>Kandelia candel</i> (L.) Druce	Bhatkathi	Tree, s; w	Rb, Fm	Tg	Dy, Fw	MRI 557
** <i>Rhizophora apiculata</i> Blume	Jhana	Tree, m; w	Rb, Fm	Tg	Fw, M	MRI 562
** <i>R. mucronata</i> Lam.	Jhana, garjan	Tree, l; w	Rb, Fm	Tg	Dy, Fw	MRI 150
<b>Loranthaceae</b> Juss.						
<i>Dendrophthoe falcata</i> (L.f.) Blume	Bajrangi	Shrub, ps; w	Op	Hg, Psk, Tg	M	MRI 582
<i>Scurrula parasitica</i> L.	Porgacha	Shrub, ps; w	Op	Hg, Psk, Tg	M	MRI 038
<i>Viscum monoicum</i> Roxb. ex DC.	Bhanda	Herb, ps; w	Op	Hg, Psk, Tg	M	GMH 5834
<b>Celastraceae</b> R.Br.						
* <i>Salacia chinensis</i> L.	Choit boro	Shrub, sc; w	Fm, Rb, Wl	Hg, Psk, Tg	Fr, M	GMH 5849
<b>Euphorbiaceae</b> Juss.						
<i>Acalypha indica</i> L.	Muktajhuri	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 574
<i>Bridelia retusa</i> (L.) A.Juss.	Harinhara	Shrub; w	Fm	Tg	M	MRI 335
<i>Chrozophora plicata</i> (Vahl) A. Juss. ex Spreng.	Khudi okra	Herb, er; w	Fm, Rs	Psk	M	MRI 609
<i>Codiaeum variegatum</i> (L.) Rumph. ex A.Juss. #	Patabahar	Shrub; pl	Fm, Rs	Tg	M, O	MRI 616
<i>Croton bonplandianus</i> Baill. #	Bandhone	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 628
<i>C. caudatus</i> Geiseler.	Nan bhantur	Shrub; w	Fm	Tg	M	MRI 544
* <i>Drypetes assamica</i> (Hook. f.) Pax & K. Hoffm.	Bon bokul	Shrub; w	Fm, Rb, Wl	Tg	M	GMH 5814
<i>Euphorbia hirta</i> L. #	Bara dudhia	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 524
<i>E. prostrata</i> Aiton	Sij	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	GMH 5823
<i>E. serpens</i> Kunth	Balu madur	Herb, pr; w	Fm, Rs	Tg	M	MRI 384

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>E. thymifolia</i> L. #	Swetkerui	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 304
<i>E. tirucalli</i> L. #	Narasaji	Shrub; pl	Fm, Rs	Psk, Tg	M, O	MRI 497
<i>E. tithymaloides</i> L.	Bera chita	Herb, er; w	Fm, Rs	Hg, Psk, Tg	He, M	MRI 483
** <i>Excoecaria agallocha</i> L.	Gewa	Tree, l; w	Wl	Hg, Psk, Tg	M, Pp	GMH 5845
<i>Jatropha curcas</i> L. #	Bherenda	Shrub; pl	Fm, Rs	Psk	He, M	MRI 451
<i>J. gossypifolia</i> L. #	Lal bherenda	Shrub; w	Fm, Rs	Psk	He, M	MRI 534
<i>Mallotus repandus</i> (Rottler) Müll.Arg	Gunti	Tree, s; w	Fm	Psk	M	MRI 308
<i>Ricinus communis</i> L. #	Bherenda	Shrub; w	Fm, Rs	Hg, Psk, Tg	M, Oy	MRI 527
* <i>Shirakiopsis indica</i> (Willd.) Esser	Hurmui	Tree, s; w	Fm, Rb, Wl	Hg, Psk, Tg	M, Fp	GMH 5832
<i>Trewia polycarpa</i> Benth. & Hook.f.	Pitali	Tree, m; w	Fm, Rs	Hg, Psk, Tg	Fw, M	MRI 007
<b>Phyllanthaceae</b> Martinov						
<i>Antidesma ghaesembilla</i> Gaertn.	Khudijam	Tree, s; w	Fm, Wl	Tg	M	MRI 520
<i>Breynia vitis-idaea</i> (Burm.f.) C.E.C.Fisch.	Kalo sitki	Shrub; w	Fm	Tg	M	MRI 213
<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle	Khaukra	Shrub; w	Fm, Rs	Tg	M	MRI 103
<i>Phyllanthus acidus</i> (L.) Skeels #	Arboroi	Tree, s; pl	Fm	Hg, Psk, Tg	Fr, M	MRI 531
<i>P. emblica</i> L.	Amloki	Tree, s; pl	Fm, Rs	Hg, Psk, Tg	Fr, M	MRI 647
<i>P. niruri</i> L. #	Bhui amla	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 652
<i>P. reticulatus</i> Poir.	Chitki	Shrub; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 043
<b>Rhamnaceae</b> Juss.						
<i>Ziziphus mauritiana</i> Lam.	Boroi	Tree, m; w	Fm	Hg, Psk, Tg	Fr, M	MRI 661
<i>Z. oenoplia</i> (L.) Mill.	Ban boroi	Shrub, sc; w	Fm, Rb	Tg	He, M	MRI 172
<b>Leeaceae</b> Dumort.						
<i>Leea indica</i> (Burm. f.) Merr.	Kurkur jihwa	Shrub; w	Fm, Rb	Hg, Tg	Gm, M	MRI 663
<b>Vitaceae</b> Juss.						
<i>Causonis assamica</i> (M.A. Lawson) Craib.	Golgoti lata	Herb, cl; w	Fm, Wl	Tg	M	MRI 332
* <i>C. maritima</i> (Jackes) Jackes	Golgoti lata	Herb, cl; w	Fm, Rb, Wl	Hg, Psk, Tg	M	GMH 5822
<i>C. trifolia</i> (L.) Mabb. & J. Wen	Angur lata	Herb, cl; w	Fm, Rb, Wl	Psk, Hg, Tg	Lf, M	MRI 056
<i>Tetrastigma bracteolatum</i> (Wall.) Planch	Nekungriubi	Herb, cl; w	Fm, Wl	Tg	M	MRI 138
<b>Sapindaceae</b> Juss.						
<i>Allophylus cobbe</i> (L.) Forsyth f.	Rakhal chita	Shrub; w	Fm, Rs, Wl	Tg	Fw, M	MRI 243
<i>Cardiospermum halicacabum</i> L.	Lataphutki	Herb, cl; w	Fm, Rs	Hg, Psk, Tg	M, Vg	MRI 656
* <i>Dodonaea viscosa</i> Jacq.	Paniphul	Tree, s; w	Fm, Wl	Tg	Fw, M	GMH 5853
<i>Lepisanthes rubiginosa</i> (Roxb.) Leenh.	Ban horina	Tree, s; w	Fm, Wl	Psk, Tg	Fr, Fw	MRI 359
<i>L. senegalensis</i> (Juss. ex Poir.) Leenh.	Gota horina	Shrub; w	Fm, Wl	Tg	Fw, M	MRI 643
<i>Litchi chinensis</i> Sonn. #	Litchu	Tree, m; pl	Fm	Hg, Psk, Tg	Fr	MRI 606
<b>Anacardiaceae</b> R.Br.						
<i>Lannea coromandelica</i> (Houtt.) Merr.	Jiga, jeol	Tree, s; w	Fm, Rs	Hg, Psk, Tg	He, Gu	MRI 368
<i>Mangifera indica</i> L. #	Aam	Tree, l; w	Fm, Rs, Wl	Hg, Psk, Tg	Fr, T	MRI 593
<i>Spondias dulcis</i> Parkinson #	Amrah	Tree, l; pl	Fm	Hg, Psk, Tg	Fr	MRI 578
<i>S. pinnata</i> (L. f.) Kurz	Bon amrah	Tree, l; w	Wl	Tg	Fr	MRI 548
<b>Meliaceae</b> Juss.						
* <i>Aglaia cucullata</i> (Roxb.) Pellegr.	Amoor	Tree, s; w	Rb, Wl	Hg, Psk, Tg	M, T	GMH 5826
<i>Aphanamixis polystachya</i> (Wall.) R.Parker	Pithraj, royna	Tree, m; w	Fm, Rs	Hg, Psk, Tg	M, Oy	MRI 556

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Azadirachta indica</i> A. Juss.	Neem	Tree, m; w	Fm, Rs	Hg, Psk, Tg	M, T	<i>MRI 560</i>
<i>Khaya anthotheca</i> (Welw.) C.DC. #	Lombu	Tree, l; pl	Rs	Hg, Psk, Tg	T	<i>MRI 492</i>
<i>Melia azedarach</i> L.	Ghora neem	Tree, m; pl	Fm, Rs	Hg, Psk, Tg	M, T	<i>MRI 518</i>
<i>Swietenia mahagoni</i> (L.) Jacq. #	Mehagani	Tree, l; pl	Rs	Hg, Psk, Tg	T	<i>MRI 565</i>
** <i>Xylocarpus granatum</i> J.Koenig	Dhundal	Tree, m; w	Rb	Tg	M, T	<i>MRI 015</i>
** <i>X. moluccensis</i> (Lam.) M.Roem.	Poshur	Tree, m; w	Rb, Wl	Hg, Tg	M, T	<i>GMH 5843</i>
<b>Rutaceae</b> Juss.						
<i>Aegle marmelos</i> (L.) Corrêa	Bel	Tree, m; w	Fm, Rs	Hg, Psk, Tg	Fr, M	<i>MRI 535</i>
<i>Citrus aurantiifolia</i> (Christm.) Swingle	Lebu	Shrub; pl	Fm	Hg, Psk, Tg	Fr	<i>MRI 539</i>
<i>C. maxima</i> (Burm.) Merr. #	Jambura	Tree, s; pl	Fm, Rs	Hg, Psk, Tg	Fr	<i>MRI 585</i>
<i>Glycosmis pentaphylla</i> (Retz.) DC.	Datmajoni	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	<i>MRI 610</i>
<i>Limonia acidissima</i> L.	Kadbel	Tree, m; pl	Rs	Psk	Fr	<i>MRI 595</i>
* <i>Merope angulata</i> (Willd.) Swingle	Bonlebu	Shrub; w	Fm, Rb	Hg, Psk, Tg	M	<i>GMH 5829</i>
<i>Murraya koenigii</i> (L.) Spreng.	Curry patta	Tree, s; w	Fm, Rs	Psk	M, Sp	<i>MRI 639</i>
<i>M. paniculata</i> (L.) Jack	Kamini	Tree, s; pl	Rs, Wl	Hg, Tg	M, O	<i>MRI 651</i>
<b>Oxalidaceae</b> R.Br.						
<i>Averrhoa bilimbi</i> L. #	Bilimbi	Tree, s; pl	Fm	Hg, Psk, Tg	Fr, M	<i>MRI 673</i>
<i>A. carambola</i> L. #	Kamranga	Tree, s; pl	Fm	Hg, Psk, Tg	Fr, M	<i>MRI 692</i>
<i>Oxalis corniculata</i> L. #	Amrul	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M, Vg	<i>MRI 621</i>
<b>Balsaminaceae</b> A. Rich.						
<i>Impatiens balsamina</i> L. #	Dopati	Herb, er; pl	Fm	Tg	M, O	<i>MRI 667</i>
<b>Araliaceae</b> Juss.						
<i>Polyscias fruticosa</i> (L.) Harms #	Tikosaya pata	Shrub; pl	Fm, Rs	Tg	O	<i>MRI 632</i>
<i>P. scutellaria</i> (Burm. f.) Fosberg, #	Saya pata	Shrub; pl	Fm, Rs	Tg	O	<i>MRI 573</i>
<b>Apiaceae</b> Lindl.						
<i>Centella asiatica</i> (L.) Urb.	Thankuni	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	M	<i>MRI 486</i>
<i>Eryngium foetidum</i> L. #	Bilati dhoneya	Herb, er; w	Fm	Hg, Tg	M, Sp	<i>MRI 641</i>
<i>Hydrocotyle sibthorpioides</i> Lam.	Kuti thankuni	Herb, cr; w	Fm	Tg	M	<i>MRI 495</i>
<i>Oenanthe benghalensis</i> Benth. & Hook.f.	Ban dhonia	Herb, er; w	Fm, Rs	Tg	M	<i>MRI 288</i>
<i>O. javanica</i> (Blume) DC	Ban dhonia	Herb, er; w	Fm, Rs	Tg	M	<i>MRI 376</i>
<b>Apocynaceae</b> Juss.						
<i>Allamanda cathartica</i> L. #	Ghonta phul	Shrub; pl	Fm, Rs	Tg	O	<i>MRI 694</i>
<i>Alstonia scholaris</i> (L.) R.Br.	Chhatim	Tree, l; w	Rs, Wl	Hg, Psk, Tg	M, T	<i>MRI 576</i>
<i>Calotropis gigantea</i> (L.) W.T.Aiton	Akondo	Shrub; w	Fm, Rs	Psk, Tg	Fb, M	<i>MRI 521</i>
<i>C. procera</i> (Aiton) W.T.Aiton	Shda akondo	Shrub; w	Rs	Tg	Fb, M	<i>MRI 588</i>
<i>Cascabela thevetia</i> (L.) Lippold #	Kolkey phul	Tree, s; pl	Rs	Psk, Tg	M, O	<i>MRI 503</i>
<i>Catharanthus roseus</i> (L.) G.Don #	Noyantara	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, O	<i>MRI 608</i>
* <i>Cerbera odollam</i> Gaertn.	Dahur	Tree, s; w	Fm, Rb, Wl	Hg, Psk, Tg	Fb, M	<i>MRI 072</i>
<i>Dregea volubilis</i> (L.f.) Benth. ex Hook.f.	Jukti phul	Herb, cl; w	Fm, Rb, Wl	Hg, Psk, Tg	Fb, M	<i>GMH 5828</i>
* <i>Finlaysonia obovata</i> Wall.	Mamakola	Herb, cl; w	Rb, Wl	Hg, Tg	Fb, M	<i>GMH 5841</i>
<i>Hoya parasitica</i> Wall. ex Wight	Futki lata	Herb, ps; w	Op; Wl	Hg, Psk, Tg	Fb, M	<i>MRI 005</i>
<i>Hoya lanceolata</i> Wall. ex D.Don	Futki lata	Herb, ps; w	Op; Wl	Hg, Psk, Tg	Fb, M	<i>MRI 658</i>

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Hemidesmus indicus</i> (L.) R.Br.	Anantomul	Herb, cl; w	Fm, Rs	Psk, Tg	Fb, M	MRI 313
<i>Ichnocarpus frutescens</i> (L.) W.T.Aiton	Parallia lata	Herb, cl; w	Fm, Wl	Hg, Psk, Tg	Fb, M	MRI 686
<i>Nerium oleander</i> L. #	Rakta karobi	Tree, s; pl	Fm, Rs	Tg	M, O	MRI 591
* <i>Parsonia alboflavescens</i> (Dennst.) Mabb.	Pasonsi	Herb, cl; w	Fm, Rb	Tg	Fb, M	GMH 5839
* <i>Pentatropis capensis</i> (L. f.) Bullock	Panchabrti lata	Herb, cl; w	Rb, Wl	Hg	M	GMH 5831
* <i>Sarcobolus carinatus</i> Wall.	Bawali lata	Herb, cl; w	Fm, Wl	Tg	M	GMH 5860
* <i>S. globosus</i> Wall.	Bawali lata	Herb, cl; w	Fm, Rs, Wl	Hg, Psk, Tg	M, Vg	GMH 5846
<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem & Schult.	Tagar	Shrub; w	Rs, Wl	Hg, Psk, Tg	M, O	MRI 612
* <i>Tylophora flexuosa</i> R. Br. ( <i>Vincetoxicum</i> sp.)	Unknown	Herb, cl; w	Fm, Wl	Hg, Tg	M	GMH 5858
<i>Vincetoxicum indicum</i> (Burm.f.) Mabb.	Antamul	Herb, cl; w	Fm, Wl	Hg, Psk, Tg	Fb, M	GMH 5850
<b>Solanaceae</b> Juss.						
<i>Cestrum nocturnum</i> L. #	Hasnahena	Shrub; pl	Fm	Tg	M, O	MRI 623
<i>Datura metel</i> L. #	Sada dhutra	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	MRI 604
<i>Nicotiana plumbaginifolia</i> Viv. #	Ban tamak	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 506
<i>Physalis angulata</i> L. #	Ban tepari	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 529
<i>Solanum americanum</i> Mill. #	Tit begun	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 543
<i>S. bahamense</i> L.	Morich	Herb, er; cv	Fm	Hg, Psk, Tg	Sp, Vg	MRI 563
<i>S. nigrum</i> L.	Kakmachi	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 570
<i>S. sisymbriifolium</i> Lam. #	Kanta begun	Herb, pr; w	Fm, Rs	Psk, Tg	M	MRI 615
<i>S. torvum</i> Sw. #	Gota begun	Shrub; w	Fm, Rs	Tg	M, Vg	MRI 645
<i>S. violaceum</i> Ortega	Phutki begun	Shrub; w	Fm, Rs	Tg	M	MRI 675
<i>S. virginianum</i> L.	Kantikari	Herb, pr; w	Fm, Rs, Sd	Hg, Psk, Tg	M, Vg	MRI 682
<b>Convolvulaceae</b> Juss.						
<i>Camonea umbellata</i> (L.) A.R. Simões & Staples #	Goria lata	Herb, cl; w	Fm, Rs	Hg, Psk, Tg	M, O	MRI 509
<i>Evolvulus nummularius</i> (L.) L. #	Bhui okra	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	M, Sb	MRI 669
<i>Ipomoea aquatica</i> Forssk.	Kalmi shak	Herb, cr; w	Fm, Wtl	Hg, Psk, Tg	Vg	MRI 516
<i>I. batatas</i> (L.) Lam. #	Misti alu	Herb, cr; cv	Fm	Psk	Vg	MRI 526
* <i>I. pes-caprae</i> (L.) R.Br.	Chagalkhuri	Herb, cr; w	Fm, Sd	Hg, Tg	M, Sb	GMH 5856
<i>Operculina turpethum</i> (L.) S. Manso	Dudh kalmi	Herb, cl; w	Fm, Wl	Tg	M	MRI 618
<i>Stictocardia tiliifolia</i> (Desr.) Hallier.f.	Ban kalmi	Herb, cl; w	Fm, Wl	Tg	M	MRI 664
<b>Cuscutaceae</b> Dumort.						
<i>Cuscuta chinensis</i> Lam.	Sharno lata	Herb, cl; w	Op; Fm, Rs	Hg, Psk, Tg	M	MRI 638
<i>C. reflexa</i> Roxb.	Sharno lata	Herb, cl; w	Op; Fm, Rs	Tg	M	MRI 446
<b>Menyanthaceae</b> Dumort.						
<i>Nymphoides indica</i> (L.) Kuntze	Panchuli mala	Herb, fl; w	Wtl	Psk	M, Vg	MRI 654
<i>Cordia dichotoma</i> G.Forst.	Bohola, bola	Tree, m; w	Fm, Rs	Hg, Psk, Tg	Fw, M	GMH 5848
<i>Heliotropium curassavicum</i> L. #	Nona hatisur	Herb, pr; w	Fm, Rs	Tg	M, Vg	GMH 5833
<i>H. indicum</i> L.	Hatisur	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 455
<b>Verbenaceae</b> J. St.-Hil.						
<i>Duranta erecta</i> L. #	Duranto	Shrub; pl	Fm, Rs	Hg, Tg	He, M	MRI 627
<i>Lantana camara</i> L. #	Kutuskanta	Shrub; w	Fm, Rs	Psk, Tg	Fw, M	MRI 630

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<i>Lippia alba</i> (Mill.) N.E.Br. ex Britton & P.Wilson#	Motmotia	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	MRI 181
<i>Phyla nodiflora</i> (L.) Greene	Vuiokra	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 211
<b>Lamiaceae</b> Martinov						
<i>Anisomeles indica</i> (L.) Kuntze.	Gobura	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 188
<i>Clerodendrum indicum</i> (L.) Kuntze	Bamunhatti	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	MRI 634
<i>C. infortunatum</i> L.	Bhat	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	MRI 285
<i>Gmelina arborea</i> Roxb.	Gamari	Tree, l; pl	Rs	Hg, Psk, Tg	M, T	MRI 583
<i>Hyptis capitata</i> Jacq. #	Tata tokma	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 550
<i>Leucas lavandulifolia</i> Sm.	Shetodron	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 523
<i>Leonurus sibiricus</i> L.	Roktodron	Herb, er; w	Fm, Rs	Tg	M	MRI 553
<i>Mesosphaerum suaveolens</i> (L.) Kuntze #	Tokma	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 558
<i>Ocimum americanum</i> L.	Tulshi	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 580
* <i>Premna serratifolia</i> L.	Gambari	Shrub; w	Fm, Rb	Hg, Tg	M	GMH 5854
<i>Salvia plebeia</i> R.Br.	Bhuitulsi	Herb, er; w	Fm, Rs	Tg	M	MRI 600
<i>Tectona grandis</i> L. f.	Shegun	Tree, l; pl	Rs	Hg, Psk, Tg	T	MRI 533
<i>Vitex negundo</i> L.	Nishinda	Shrub; w	Fm, Rs	Hg, Psk, Tg	M	MRI 436
* <i>Volkameria inermis</i> L.	Shia vat	Shrub, li; w	Fm, Rb	Hg, Psk, Tg	M, O	GMH 5837
<b>Plantaginaceae</b> Juss.						
* <i>Bacopa monnieri</i> (L.) Wettst.	Brammi	Herb, pr; w	Fm, Wtl	Hg, Psk, Tg	M, Vg	GMH 5835
<i>Mecardonia procumbens</i> (Mill.) Small #	Micardan	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 300
<i>Scoparia dulcis</i> L. #	Bondhone	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 853
<b>Oleaceae</b> Hoffmanns. & Link						
<i>Jesminum sambac</i> (L.) Aiton#	Beli, jui	Shrub; pl	Fm, Rb	Tg	M, O	MRI 836
<i>Nyctanthes arbor-tristis</i> L.	Sheuli, shephali	Tree, s; pl	Fm, Rs	Psk, Tg	M, O	MRI 779
<b>Linderniaceae</b> Borsch, Kai Müll. & Eb. Fisch.						
<i>Bonnaya antipoda</i> (L.) Druce.	Zai ghas	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 794
<i>B. ciliata</i> (Colsm.) Spreng.	Bhui papri	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 802
<i>Lindernia procumbens</i> (Krock.) Borbás	Bakpuspa	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 781
<b>Acanthaceae</b> Juss.						
** <i>Acanthus ilicifolius</i> L.	Hargoza	Shrub; w	Fm, Rb, Wl	Hg, Psk, Tg	M	MRI 365
** <i>A. volubilis</i> Wall.	Lata hargoza	Herb, cl; w	Rb	Tg	M	GMH 5857
** <i>Avicennia officinalis</i> L.	Shada baen	Tree, l; w	Rb, Wl	Tg	Hp, M, T	GMH 5874
<i>Hemigraphis hirta</i> (Vahl) T. Anderson	Buripana	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 801
<i>Hygrophila auriculata</i> (Schumach.) Heine	Kulekhara	Herb, er; w	Fm, Rs	Tg	M	MRI 722
<i>H. erecta</i> (Burm.f.) Hochr	Filareck	Herb, er; w	Fm, Wtl	Psk	M	MRI 743
<i>H. polysperma</i> (Roxb.) T. Anderson	Alai kalai	Herb, pr; w	Fm, Wtl	Hg, Psk, Tg	M	MRI 769
<i>Justicia adhatoda</i> L.	Basok	Shrub; w	Fm, Rs	Hg, Psk, Tg	He, M	MRI 817
<i>J. diffusa</i> Willd.	Pitapapra	Herb, pr; w	Fm, Rs	Psk, Tg	M	MRI 826
<i>J. gendarussa</i> Burm.f.	Jagotmadan	Herb, er; w	Fm, Rs	Hg, Psk, Tg	He, M	MRI 845
<i>Nelsonia canescens</i> (Lam.) Spreng.	Paramul	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 860
<i>Rungia pectinata</i> (L.) Nees	Pindi	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	P	MRI 874

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<i>Ruellia tuberosa</i> L. #	Chotpotey	Herb, er; w	Fm, Rs	Psk, Tg	M, O	MRI 869
<i>Thunbergia grandiflora</i> (Roxb. ex Rottl.) Roxb.	Neel lata	Herb, cl; w	Fm	Tg	M	MRI 731
<b>Bignoniaceae</b> Juss.						
* <i>Dolichandrone spathacea</i> (L.f.) Seem.	Gorshinga	Tree, m; w	Rb, Wl	Hg, Psk, Tg	M, T	GMH 5859
<i>Oroxylum indicum</i> (L.) Kurz	Bhutum	Tree, m; w	Fm, Rs	Psk, Tg	Dy, M	MRI 856
<b>Lentibulariaceae</b> Rich.						
<i>Utricularia aurea</i> Lour.	Patajhajhi	Herb, sm; w	Wtl	Psk	M	MRI 863
<b>Rubiaceae</b> Juss.						
<i>Dentella repens</i> (L.) J.R.Forst. & G.Forst.	Bhuiapat	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 772
<i>Gardenia jasminoides</i> J.Ellis	Gondhoraj	Shrub; pl	Fm, Rs	Tg	M, O	MRI 791
* <i>Hypobathrum racemosum</i> (Roxb.) Kurz	Peetunga	Tree, s; w	Fm, Rb, Wl	Tg	M	GMH 5865
<i>Ixora coccinea</i> L.	Rangon	Shrub; pl	Fm	Tg	O	MRI 763
* <i>I. pavetta</i> Andr.	Banrangon	Shrub; w	Fm, Rs, Wl	Tg	M, O	MRI 775
<i>Meyna spinosa</i> Roxb. ex Link	Katai	Shrub; w	Fm, Rs	Psk, Tg	M	MRI 766
* <i>Morinda citrifolia</i> L.	Noni	Shrub; w	Rb, Rs, Wl	Hg, Psk, Tg	M	GMH 5876
<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Kadom	Tree, l; w	Rs	Hg, Psk, Tg	M, T	MRI 777
<i>Oldenlandia corymbosa</i> L.	Khet papra	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 750
<i>O. diffusa</i> (Willd.) Roxb.	Fussa papra	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 759
<i>Spermacoce articularis</i> L.f.	Baghajangla	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 829
<i>S. exilis</i> (L.O.Williams) C.D.Adams ex W.C.Burger & C.M.Taylor	Baghajangla	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 810
<b>Asteraceae</b> Bercht. & J. Presl						
<i>Acmella calva</i> (DC.) R.K. Jansen.	Surjakonnya	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 205
<i>Ageratum conyzoides</i> L. #	Fulkuri	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 823
<i>Blumea lacera</i> (Burm.f.) DC.	Shialmutra	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 289
<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob. #	Assam lata	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 753
<i>Cyanthillium cinereum</i> (L.) H.Rob.	Kukshim	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 783
<i>Eclipta prostrata</i> (L.) L. #	Kalokeshi	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 785
<i>Elephantopus scaber</i> L.	Hastipadi	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 797
<i>Emilia sonchifolia</i> (L.) DC. #	Mechitra	Herb, er; w	Fm, Rs	Tg	M	MRI 804
<i>Enydra fluctuans</i> Lour.	Helencha	Herb, pr; w	Wtl	Hg, Psk, Tg	M, Vg	MRI 787
<i>Gnaphalium polycaulon</i> Pers.	Bara kamra	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 312
<i>Grangea maderaspatana</i> (L.) Poir.	Namuti	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	MRI 296
<i>Launaea aspleniifolia</i> (Willd.) Hook.f.	Tik chana	Herb, er; w	Fm	Tg	M	MRI 800
<i>L. sarmentosa</i> (Willd.) Sch.Bip. ex Kuntze	Menthosdana	Herb, pr; w	Fm	Tg	M	MRI 838
<i>Mikania cordata</i> (Burm.f.) B.L.Rob.	Assam lata	Herb, cl; w	Fm, Rs	Hg, Psk, Tg	M	MRI 270
<i>Pseudognaphalium luteoalbum</i> (L.) Hilliard & B.L. Burt	Barakamra	Herb, er; w	Fm, Rs	Tg	M	MRI-833
<i>Sonchus wightianus</i> DC.	Bon palang	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 819
<i>Sphagneticola trilobata</i> (L.) Pruski	Tinkona wedelia	Herb, Pr; w	Fm, Rs	Tg	Fo	MRI 841
<i>Sphaeranthus africanus</i> L.	Gangasag	Herb, pr; w	Fm, Rs	Psk, Tg	M	GMH 5887



Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>S. indicus</i> L.	Mundi	Herb, pr; w	Fm, Rs	Psk, Tg	M	<i>MRI 771</i>
<i>Synedrella nodiflora</i> (L.) Gaertn. #	Nakphul	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	<i>MRI 843</i>
<i>Tridax procumbens</i> (L.) L. #	Tridhara	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M	<i>MRI 848</i>
* <i>Wollastonia biflora</i> (L.) Dc.	Wedelia	Herb, pr; w	Fm, Rb	Tg	Fo	<i>MRI 415</i>
<i>Xanthium strumarium</i> L. #	Ghagra	Herb, er; w	Fm, Rs	Psk, Tg	M, Vg	<i>MRI 851</i>
<b>LILIOPSIDA</b> Batsch						
<b>Alismataceae</b> Vent.						
<i>Sagittaria guayanensis</i> Kunth	Kaowa thukri	Herb, fl; w	Wtl	Psk	Gm, Lf	<i>MRI 840</i>
<b>Hydrocharitaceae</b> Juss.						
<i>Hydrilla verticillata</i> (L. f.) Royle	Kureli	Herb, sm; w	Wtl	Psk	Ap, M	<i>MRI 180</i>
<i>Ottelia alismoides</i> (L.) Pers.	Pani kala	Herb, sm; w	Wtl	Psk, Tg	M, Vg	<i>MRI 790</i>
<b>Arecaceae</b> Bercht. & J. Presl						
<i>Areca catechu</i> L. #	Supari	Palm; pl	Rs	Hg, Psk, Tg	Dy, M	<i>MRI 782</i>
<i>Borassus flabellifer</i> L.	Tal	Palm; pl	Rs	Hg, Psk, Tg	Fb, M	<i>MRI 806</i>
<i>Calamus tenuis</i> Roxb.	Unknown	Palm; pl	Fm	Psk, Tg	Hc, M	<i>MRI 798</i>
<i>Chamaedorea elegans</i> Mart. #	Areca palm	Palm; pl	Rs	Tg	Fb, O	<i>MRI 858</i>
<i>Cocos nucifera</i> L. #	Narikel	Palm; pl	Rs	Hg, Psk, Tg	Fb, Fr	<i>MRI 865</i>
<i>Elaeis guineensis</i> Jacq. #	Oil palm	Palm; pl	Rs	Psk	M, Oy	<i>MRI 876</i>
<i>Livistona chinensis</i> (Jacq.) R.Br. ex Mart. #	China tokopata	Palm; pl	Fm, Rs	Tg	Fb, Hc	<i>MRI 871</i>
** <i>Nypa fruticans</i> Wurm	Golpata	Palm; w	Rb, Fm	Hg, Psk, Tg	M, Tm	<i>GMH 5861</i>
** <i>Phoenix paludosa</i> Roxb.	Hental	Palm; w	Fm, Rb, Wl	Hg, Psk, Tg	Fr, Hc	<i>GMH 5879</i>
<i>P. sylvestris</i> (L.) Roxb.	Deshi khejur	Palm; w	Rs	Hg, Psk, Tg	Ju, M	<i>MRI 861</i>
<b>Pandanaceae</b> R.Br.						
* <i>Benstonea foetida</i> (Roxb.) Callm. & Buerki	Keya kanta	Shrub; w	Fm, Rb, Wl	Hg, Tg	M, O	<i>MRI 834</i>
<b>Araceae</b> Juss.						
<i>Alocasia fornicata</i> (Roxb.) Schott	Bishkachu	Herb, er; w	Fm, Rs	Hg, Tg	M	<i>MRI 818</i>
<i>A. macrorrhizos</i> (L.) G.Don #	Mankachu	Herb, er; cv	Fm, Rs	Hg, Psk, Tg	Vg	<i>MRI 761</i>
<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Olkachu	Herb, er; cv	Fm	Hg, Psk, Tg	Vg	<i>MRI 873</i>
<i>Caladium bicolor</i> (Aiton) Vent. #	Diranga kachu	Herb, er; pl	Rs	Hg, Tg	O	<i>MRI 828</i>
<i>Colocasia esculenta</i> (L.) Schott	Kachu	Herb, er; w	Fm, Rs, Wtl	Hg, Psk, Tg	Vg	<i>MRI 825</i>
* <i>Cryptocoryne ciliata</i> (Roxb.) Schott	Kerali	Herb, er; w	Fm, Rb, Wtl	Hg, Psk, Tg	M, Sb	<i>GMH 5871</i>
<i>Epipremnum aureum</i> (Linden & André) G.S.Bunting #	Money plant	Herb, cl; w	Fm	Tg	O	<i>MRI 820</i>
<i>Lasia spinosa</i> (L.) Thwaites	Katakachu	Herb, er; w	Rb, Wtl	Psk	M, Vg	<i>MRI 764</i>
<i>Lemna minor</i> L.	Sujipana	Herb, ff; w	Wtl	Hg, Psk, Tg	Ff, Wp	<i>MRI 774</i>
<i>L. perpusilla</i> Torr. #	Khudipana	Herb, ff; w	Wtl	Hg, Psk, Tg	Ff, Wp	<i>MRI 738</i>
<i>Pistia stratiotes</i> L.	Topapana	Herb, ff; w	Wtl	Hg, Psk, Tg	M	<i>MRI 756</i>
<i>Syngonium podophyllum</i> Schott #	Podolata kachu	Herb, pr; w	Fm	Tg	O	<i>MRI 737</i>
<i>Typhonium flagelliforme</i> (G. Lodd.) Blume	Ghechu	Herb, er; w	Fm, Rs	Psk, Tg	M	<i>MRI 733</i>
<i>T. trilobatum</i> (L.) Schott	Ghetkachu	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Vg	<i>MRI 740</i>

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Xanthosoma sagittifolium</i> (L.) Schott #	Dudhkachu	Herb, er; w	Fm	Psk, Tg	M, Vg	MRI 746
<b>Commelinaceae</b> Mirb.						
<i>Commelina benghalensis</i> L.	Kanshira	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 702
<i>C. diffusa</i> Burm.f.	Kanshira	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	Dy, M	MRI 716
<i>C. longifolia</i> Lam.	Pani kanshira	Herb, cr; w	Fm, Rs, Wtl	Hg, Tg	M	MRI 707
<i>Murdannia blumei</i> (Hassk.) Brenan	Nil murdan	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M	MRI 832
<i>M. nudiflora</i> (L.) Brenan	Kureli	Herb, cr; w	Fm	Hg, Psk, Tg	M	MRI 029
<b>Flagellariaceae</b> Dumort.						
* <i>Flagellaria indica</i> L.	Abeti	Herb, cl; w	Fm, Rb, Wl	Tg	Fb, Tm	GMH 5870
<b>Cyperaceae</b> Juss.						
<i>Bulbostylis barbata</i> (Rottb.) C.B. Clarke	Bulbobata	Herb, er; w	Fm	Tg	Lf, Sb	MRI 830
<i>Cyperus articulatus</i> L.	Joraghasi	Herb, er; w	Wtl	Psk, Tg	Fo	MRI 875
<i>C. brevifolius</i> (Rottb.) Hassk.	Shabujnirbisa	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, M	MRI 812
<i>C. compressus</i> L.	Chancha	Herb, er; w	Fm,	Hg, Psk, Tg	M	MRI 821
<i>C. cuspidatus</i> Kunth	Sagarmuthi	Herb, er; w	Fm, Rs	Psk, Tg	M	MRI 808
<i>C. difformis</i> L.	Behua ghasi	Herb, er; w	Fm	Hg, Psk, Tg	M	MRI 704
<i>C. digitatus</i> Roxb.	Hath ghasi	Herb, er; w	Fm, Wtl	Psk, Tg	M	MRI 719
<i>C. eragrostis</i> Lam. #	Bada ghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 711
<i>C. exaltatus</i> Retz.	Tata ghasi	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	M, Tm	MRI 197
<i>C. iria</i> L.	Bara chucha	Herb, er; w	Fm, Rs	Psk, Tg	M, Lf	MRI 728
* <i>C. javanicus</i> Houtt.	Java ghasi	Herb, er; w	Fm	Tg	Sb, Tm	GMH 5862
* <i>C. malaccensis</i> Lam.	Shumati pati	Herb, er; w	Rb, Wtl	Hg, Psk, Tg	Hc, M	GMH 5878
<i>C. rotundus</i> L.	Nagarmutha	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Hc, M	MRI 454
<i>C. sanguinolentus</i> Vahl	Paikram ghasi	Herb, er; w	Fm	Tg	Sb	MRI 814
<i>Eleocharis dulcis</i> (Burm.f.) Trin. ex Hensch.	Mishti ghasi	Herb, er; w	Fm	Tg	M, Vg	MRI 795
<i>E. geniculata</i> (L.) Roem. & Schult.	Jora ghasi	Herb, er; w	Fm	Psk, Tg	Fo	MRI 852
<i>E. spiralis</i> (Rottb.) Roem. & Schult.	Ghurni ghasi	Herb, er; w	Wtl	Tg	Fo	MRI 859
<i>Fimbristylis acuminata</i> Vahl	Chosa fimbry	Herb, er; w	Fm	Hg, Psk, Tg	Sb, Fo	MRI 862
<i>F. autumnalis</i> (L.) Roem. & Schult. #	Fimbry	Herb, er; w	Fm	Psk, Tg	Sb, Fo	MRI 867
<i>F. bisumbellata</i> (Forsk.) Bubani	Dula fimbry	Herb, er; w	Fm	Tg	Sb	MRI 824
<i>F. cymosa</i> R.Br.	Mosa fimbry	Herb, er; w	Fm	Psk	Sb	MRI 736
<i>F. dichotoma</i> (L.) Vahl	Bara nirbishi	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Gm, Sb	MRI 051
<i>F. disticha</i> Boeckeler	Tika fimbry	Herb, er; w	Fm	Hg, Psk, Tg	Fo, Sb	MRI 747
<i>F. ferruginea</i> (L.) Vahl	Gini fimbry	Herb, er; w	Fm, Wtl	Psk, Tg	Sb, Tm	MRI 701
<i>F. ovata</i> (Burm. f.) J. Kern	Marmari	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Sb, Fo	MRI 718
<i>F. squarrosa</i> Vahl	Zumka chech	Herb, er; w	Fm, Rs	Psk, Tg	Sb	MRI 705
<i>F. tetragona</i> R.Br.	Tetra fimbry	Herb, er; w	Fm, Wtl	Tg	Sb, Fo	MRI 842
<i>F. tristachya</i> R.Br.	Trista fimbry	Herb, er; w	Fm	Psk, Tg	Sb	MRI 827
<i>Fuirena ciliaris</i> (L.) Roxb.	Poshmighas	Herb, er; w	Fm, Rs, Wtl	Hg, Psk, Tg	Lf	MRI 877
<i>F. umbellata</i> Rottb.	Chati ghasi	Herb, er; w	Fm Wtl	Tg	Fo	MRI 721
<i>Schoenoplectiella articulata</i> (L.) Lye	Chechra	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Lf, M	MRI 714
<i>S. lateriflora</i> (J.F.Gmel.) Lye	Supipotpoti	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Fo, Tm	MRI 726

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<b>Poaceae Barnhart</b>						
<i>Axonopus compressus</i> (Sw.) P.Beauv.	Karpetghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 758
<i>Bambusa balcooa</i> Roxb.	Borak bans	Bamboo; w	Rs, Wl	Hg, Psk, Tg	Hc, Vg	MRI 741
<i>B. tulda</i> Roxb.	Mirtinga	Bamboo; w	Rs, Wl	Hg, Psk, Tg	Hc, Pp	MRI 793
<i>Brachiaria distachya</i> (L.) Stapf	Cori ghas	Herb, cr; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 803
<i>B. mutica</i> (Forsk.) Stapf	Para ghas	Herb, pr; w	Fm, Wtl	Psk, Tg	Lf	MRI 450
<i>B. ramosa</i> (L.) Stapf	Jhopa ghas	Herb, pr; w	Fm	Hg, Psk, Tg	Lf	MRI 739
<i>Chloris barbata</i> Sw.	Bata ghas	Herb, er; w	Fm, Rs	Psk, Tg	Lf	GMH 5871
<i>C. virgata</i> Sw. #	Anguli ghas	Herb, er; w	Fm, Rs	Tg	Lf	MRI 755
<i>Chrysopogon aciculatus</i> (Retz.) Trin.	Prem kanta	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Hc, Sb	MRI 453
<i>C. zizanioides</i> (L.) Roberty #	Bena	Herb, er; w	Fm, Sd	Hg, Psk, Tg	M, Sb	MRI 809
<i>Cynodon dactylon</i> (L.) Pers.	Durba ghas	Herb, pr; w	Fm, Rs	Hg, Psk, Tg	M, Sb	MRI 146
<i>Cyrtococcum accrescens</i> (Trin.) Stapf	Shonpatacocca	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf	MRI 811
<i>Dactyloctenium aegyptium</i> (L.) Willd.	Kakpaya	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 870
<i>Digitaria ciliaris</i> (Retz.) Koeler	Kokjachira	Herb, pr; w	Fm, Rs	Tg	Gm, Sb	MRI 316
<i>D. ternata</i> (A. Rich.) Stapf	Nata ghas	Herb, pr; w	Fm, Rs	Psk	Gm, Sb	MRI 283
<i>Echinochloa colona</i> (L.) Link.	Shama ghas	Herb, er; w	Fm, Rs, Wtl	Hg, Psk, Tg	Lf, Sb	GMH 5864
<i>E. crus-galli</i> (L.) P.Beauv.	Barashamaghas	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Lf, M	GMH 5873
<i>E. stagnina</i> (Retz.) P.Beauv.	Parua ghas	Herb, er; w	Wtl	Tg	Fo	MRI 754
<i>Eleusine indica</i> (L.) Gaertn.	Malankuri	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Sb	MRI 730
<i>Eragrostis amabilis</i> (L.) Wight & Arn.	Koni ghas	Herb, er; w	Fm, Rs	Tg	O, Sb	MRI 724
<i>E. tenella</i> (L.) P.Beauv. ex Roem. & Schult	Koni ghas	Herb, pr; w	Fm	Hg, Psk, Tg	Fo, Sb	MRI 734
<i>E. unioides</i> (Retz.) Nees ex Steud.	Chira ghas	Herb, pr; w	Fm	Psk, Tg	Fo, Sb	MRI 723
<i>Hemarthria protensa</i> Steud.	Chaila	Herb, er; w	Fm, Wtl	Tg	Lf, Sb	MRI 727
<i>Hygroryza aristata</i> (Retz.) Nees ex Wight & Arn.	Jongli dhan	Herb, er; w	Wtl	Psk, Tg	Lf, M	MRI 770
<i>Isachne globosa</i> (Thunb.) Kuntze	Isacdana	Herb, er; w	Fm	Psk	Lf, Sb	GMH 5868
<i>Imperata cylindrica</i> (L.) Rausch. #	Chhan	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Sb, Tm	MRI 796
<i>Leersia hexandra</i> Sw.	Fulka ghas	Herb, pr; w	Wtl	Hg, Psk, Tg	Lf	MRI 816
<i>Leptochloa chinensis</i> (L.) Nees	Fulka ghas	Herb, er; w	Fm	Tg	Lf	MRI 847
* <i>Myriostachya wightiana</i> (Nees ex Steud.) Hook. f.	Balia ghas	Herb, er; w	Fm, Rb	Hg, Psk, Tg	Lf, Tm	GMH 5875
<i>Oplismenus burmanni</i> (Retz.) P.Beauv.	Gohur	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf	MRI 319
<i>O. compositus</i> (L.) P.Beauv.	Gohur	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf	MRI 712
<i>O. hirtellus</i> (L.) P.Beauv.	Gohur	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf	MRI 320
* <i>Oryza coarctata</i> Roxb.	Dhanshi	Herb, er; w	Rb, Wtl	Hg, Psk, Tg	Lf, Sb	GMH 5866
<i>Panicum brevifolium</i> L.	Bashpati ghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 752
<i>P. maximum</i> Jacq.	Dal / Gini ghas	Herb, er; w	Fm	Hg, Psk, Tg	Lf, Sb	MRI 208
<i>P. paludosum</i> Roxb.	Borali	Herb, er; w	Wtl	Psk, Tg	Fo	MRI 807
<i>P. repens</i> L.	Dhani ghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	Lf, Sb	MRI 786
<i>Paspalum conjugatum</i> P.J.Bergius #	Moishya ghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Sb	MRI 077
<i>P. distichum</i> L. #	Chhoto goicha	Herb, er; w	Fm, Wtl	Hg, Psk, Tg	Lf, Sb	MRI 799
* <i>Phragmites karka</i> (Retz.) Trin. ex Steud.	Nal khagra	Herb, er; w	Rb, Wtl	Hg, Psk, Tg	Hc, Sb	GMH 5889
<i>Rottboellia cochinchinensis</i> (Lour.) Clayton	Bara swati	Herb, pr; w	Fm	Hg, Psk, Tg	Fo	MRI 813

Scientific name	Bangla name	Habit	Habitat	Distribution	Use	RSE
<i>Saccharum officinarum</i> L. #	Akh, Ikkhu	Herb, er; cv	Fm	Psk, Tg	Sb, Tm	MRI 872
<i>S. spontaneum</i> L.	Kash	Herb, er; w	Fm	Hg, Psk, Tg	Sb, Tm	MRI 854
<i>Sporobolus indicus</i> (L.) R.Br. #	Smut ghas	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Tm	MRI 778
* <i>Zoysia matrella</i> (L.) Merr.	Baissa ghas	Herb, pr; w	Fm	Hg, Psk, Tg	Lf, Sb	GMH 5881
<b>Bromeliaceae</b> Juss.						
<i>Ananas comosus</i> (L.) Merr. #	Anaras	Herb, er; cv	Rs	Hg, Psk, Tg	Fr, M	MRI 725
<b>Musaceae</b> Juss.						
<i>Musa paradisiaca</i> L. #	Kachkola	Herb, er; w	Rs	Hg, Psk, Tg	Fr, Vg	MRI 717
<b>Typhaceae</b> Juss.						
<i>Typha domingensis</i> Pers.	Hogla	Herb, er; w	Wtl	Hg, Psk, Tg	Sb, Tm	MRI 715
<i>T. elephantina</i> Roxb.	Hogla patta	Herb, er; w	Wtl		Ed, Tm	MRI 760
<b>Zingiberaceae</b> Martinov						
<i>Alpinia nigra</i> (Gaertn.) Burt	Tara	Herb, er; w	Rb, Wtl	Tg	M	GMH 5886
<i>Curcuma longa</i> L. #	Halud	Herb, er; cv	Fm	Hg, Psk, Tg	M, Sp	MRI 839
<i>C. zedoaria</i> (Christm.) Rosc.	Sathi	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, Pf	MRI 822
<i>Zingiber officinale</i> Roscoe #	Ada	Herb, er; cv	Fm	Hg, Psk, Tg	M, Sp	MRI 709
<b>Cannaceae</b> Juss.						
<i>Canna indica</i> L. #	Kolabati	Herb, er; w	Fm, Rs	Hg, Psk, Tg	M, O	MRI 708
<b>Marantaceae</b> R.Br.						
<i>Schumannianthus benthianus</i> (Kuntze) Veldkamp & I.M.Turner	Pati pata	Shrub; w	Rs, Wtl	Psk	Hc, M	GMH 5884
<b>Pontederiaceae</b> Kunth						
<i>Eichhornia crassipes</i> (Mart.) Solms #	Kachuripana	Herb, ff; w	Wtl	Hg, Psk, Tg	Gm, Lf	MRI 784
<i>Monochoria hastata</i> (L.) Solms	Bara nukha	Herb, er; w	Wtl	Hg, Psk, Tg	Gm, Vg	MRI 805
<i>M. vaginalis</i> (Burm. f.) C. Presl	Nukha	Herb, er; w	Wtl	Hg, Psk, Tg	M, Vg	MRI 835
<b>Amaryllidaceae</b> J. St.-Hil.						
<i>Crinum asiaticum</i> L.	Shukdarshan	Herb, er; w	Rs, Wl	Hg, Psk, Tg	M, O	MRI 706
* <i>C. viviparum</i> (Lam.) R. Ansari & V. J. Nair	Gang kochu	Herb, er; w	Rb, Wtl	Hg, Psk, Tg	M	GMH 5882
<b>Hypoxidaceae</b> R.Br.						
<i>Curculigo orchoides</i> Gaertn.	Talmuli	Herb, er; w	Rs, Wl	Psk, Tg	M	MRI 844
<b>Smilacaceae</b> Vent.						
<i>Smilax ovalifolia</i> Roxb. ex D.Don	Kumarika	Herb, cl; w	Fm, Wl	Tg	M	MRI 857
<b>Dioscoreaceae</b> R.Br.						
<i>Dioscorea alata</i> L.	Chupri alu	Herb, cl; w	Fm, Rs, Wl	Hg, Psk, Tg	M, Vg	MRI 720
<i>D. esculenta</i> (Lour.) Burkill	Mou alu	Herb, cl; cv	Fm, Rs, Wl	Hg, Psk, Tg	Vg	MRI 773
<i>D. pentaphylla</i> L.	Jhum alu	Herb, cl; w	Rs, Wl	Psk, Tg	M, Vg	MRI 792
<b>Orchidaceae</b> Juss.						
<i>Geodorum densiflorum</i> (Lam.) Schltr.	Sankhamul	Herb, er; w	Fm, Rs	Tg	M, O	GMH 5888

**Notes:** *Habit:* cl- climber, cr- creeper, cv- cultivated, em- emergent, ep- epiphyte, er- erect, ff- free floating, fl- floating with rooted, l- large, li- liana, lp- lithophyte, m- medium, pl- planted pr- prostrate, ps- parasite, s- small, sc- scandent, sm- submerged, w- wild; *Habitat:* Fm- Forest mirgin, Obw- On Brick Wall, Op- On Plant, Rb- River Bank), Rs- Road Side, Sd- Sandy dune, Wl- Woodland, Wtl- Wetland; *Distribution:* Hg- Haringhata, Psk- Padda-Sonbunia-Kumirmara, Tg- Tengragiri; \*the species of associate or facultative mangrove, \*\*the species of true or obligate mangrove, #the species of exotic origin; *Uses:* Ap- aquarium plant, Dy- Dye yielding, Ed- Edible, Fb- Fibre, Ff- Fish feed, Fp- Fish poison, Fr- Fruit, Fw- Fuel wood, Gm- Green manure, Gu- Gum, Hc- Handicrafts, He- Hedge, Hp- Honey plant, Ju- Juice, Lf- Livestock feed, M- Medicine, Nu- Nut, O- Ornamental, Oy- Oil yielding, Pf- Perfume, Pp- Paper pulp, Pu- Pulse, Sb- Soil binder, Sp- Spice, T- Timber, Tm- Theaching material, Vg- Vegetable; *RSE:* MRI- Md. Rafiqul Islam.

In the study area, a total of 320 (60.15%) plant species are found as herbs that are followed by 116 (21.80%) trees, 84 (15.79%) shrubs, 10 (1.88%) palms and only two (0.38%) bamboos. The most common life-form of this flora is erect herb, which represented 51.56% of the herbaceous species and 31.02% (165 species) of the flora. This life-form was followed by erect shrubs (70 species), prostrate herbs (56 species), climbing herb (vines) (53 species) and large trees (42 species), comprising 13.16%, 10.53%, 9.96% and 7.89% of this flora, respectively, and medium and small trees representing 7.14% (38 species) and 6.77% (36 species) of the flora. Other life-forms include creepers, palms, scandent shrubs, rooted floating herbs, epiphytes, submerged and free floating, bamboos, parasitic and lithophytic herbs (Fig. 2). The study area is mostly composed with 394 species (74.06%) of native plants, where one-fourth portion (25.94%) of this flora is formed by 138 exotic species. Most of the flora (424 species) comprising 79.70% are found as wild, whereas 87 (16.35%) species as planted and 21 (3.95%) as cultivated.

The plant species of the study area are found to grow in different habitats including forest margin, roadside, woodland, wetland, river bank, on other plant and brick wall. Among these habitats, most of the species (75.19%) are well-adapted in forest margin, which are followed by 285 (53.57%) species in roadsides, 115 (21.62%) in woodlands, 71 (13.35%) in wetlands, 69 (12.97%) in river banks and 14 (2.63%) species are grown on the branch and trunk of other plants as epiphytes or parasite, whereas only three species are also found to grow on brick walls (Fig. 3). Among the three dominant mangrove ecosystems in Barguna district, a total of 283 (53.20%) species are commonly found in the all these ecosystems, where 491 (92.29%) species are mostly distributed in the Tengragiri reserve forest and Tengragiri wildlife sanctuary which is locally known as Fatrarban. About 396 (74.44%) and 306 (57.52%) species are found to be distributed in Haringhata reserve forest and Padda-Sonbunia-Kumirmara mangrove ecosystems respectively.

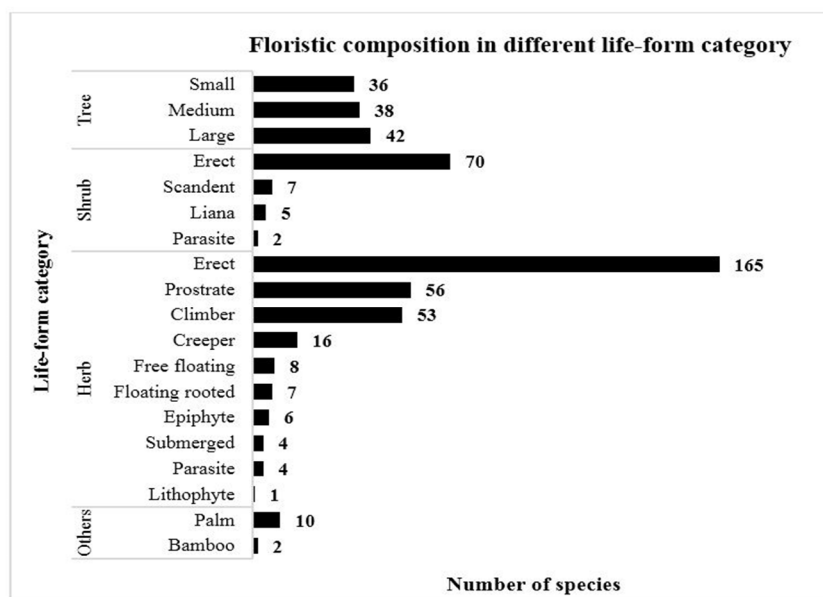


Fig. 2. Floristic composition in different life-form categories of the study area.

All species recorded during this study are recognized as economically importance where most of the species (372; 69.92%) are useful as medicine, which are followed by 96 (18.05%) species as ornamentals, 58 (10.90%) as vegetables, 58 (10.90%) as soil binder, 37 (6.95%) as

livestock feed 36 (6.77%) as fruits, 30 (5.64%) as timbers and fiber of each and 26 (4.89%) as fuel woods. Additionally, 17 (3.20%) species are useful for green manure and dye yielding of each, 14 (2.63%) as theaching material, 10 (1.88%) as making handicrafts, 9 (1.69%) as hedge plants. A very few number of species are also useful for spice, oil yielding, honey plant, pulse, paper pulp, gum, fish feed, perfume, nut, juice, fish poison, edible and aquarium plant (Fig. 4).

The total number of vascular plants (532 species) recorded by this study for the mangrove ecosystem of Barguna district is more or less similar to the findings of Rahman *et al.* (2015) and higher than the report of Prain (1903b) from nearby Sundarbans mangrove ecosystem. The taxonomic enumeration of angiosperm species reported from similar coastal ecosystems of Bangladesh revealed that the present finding (510 angiosperm species) is higher than those reported from Char Kukri Mukri Wildlife Sanctuary (272 species; Uddin and Abiadullah, 2016), Kuakata National Park (265 species; Rahman *et al.*, 2017), Nijhum Deep (152 species; Uddin *et al.*, 2015), Saint Martin's Island (157 species; BOBLME, 2015), Sandwip Island (457 species; Sajib *et al.*, 2015) and Sonadia Island (138 species; Arefin *et al.*, 2017) (Fig. 5).

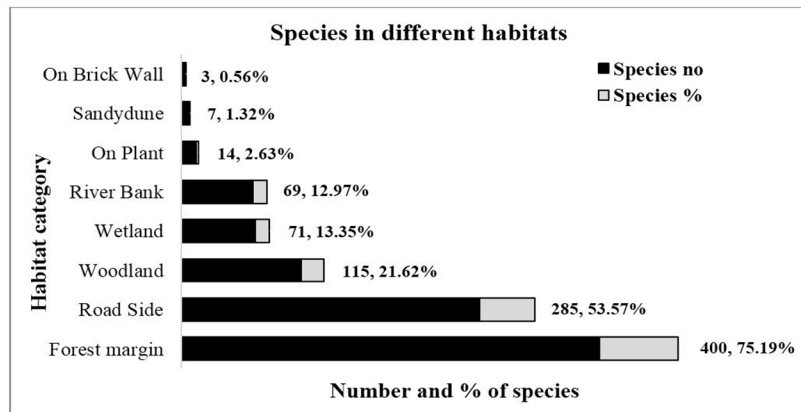


Fig. 3. Number and per cent of plant species in different habitats of the study area.

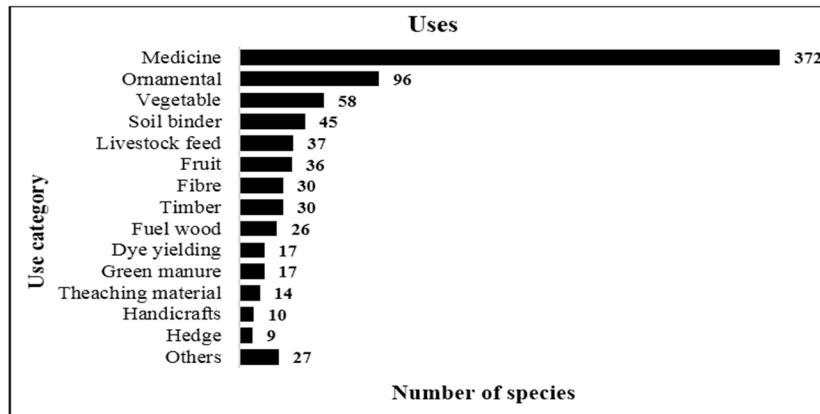


Fig. 4. Uses of plant species recorded mangrove ecosystems of Barguna district.

In the study area, 20 species, viz. *Acanthus volubilis* (Acanthaceae), *Aegialitis rotundifolia* (Plumbaginaceae), *Aegiceras corniculatum* (Primulaceae), *Barringtonia acutangula* and *B. racemosa* (Lecythidaceae), *Bruguiera gymnorhiza* (Rhizophoraceae), *Dodonaea viscosa* (Sapindaceae), *Drypetes assamica* (Euphorbiaceae), *Geodorum densiflorum* (Orchidaceae), *Haplopteris elongate* (Vittariaceae), *Intsia bijuga* (Caesalpiniaceae), *Lumnitzera racemosa* (Combretaceae), *Merope angulata* (Rutaceae), *Mucuna monosperma* (Fabaceae), *Planchonella obovata* (Sapotaceae), *Psilotum nudum* (Psilotaceae), *Suaeda maritime* (Amaranthaceae) *Rhizophora apiculata*, *R. mucronata* (Rhizophoraceae) and *Xylocarpus granatum* (Meliaceae) are found as rare with their small population and restricted distribution. Among these species, *Drypetes assamica*, *Merope angulate*, *Psilotum nudum* are listed as threatened for Bangladesh (Khan *et al.*, 2001; Ahmed *et al.*, 2008-2009; Rahman *et al.*, 2015).

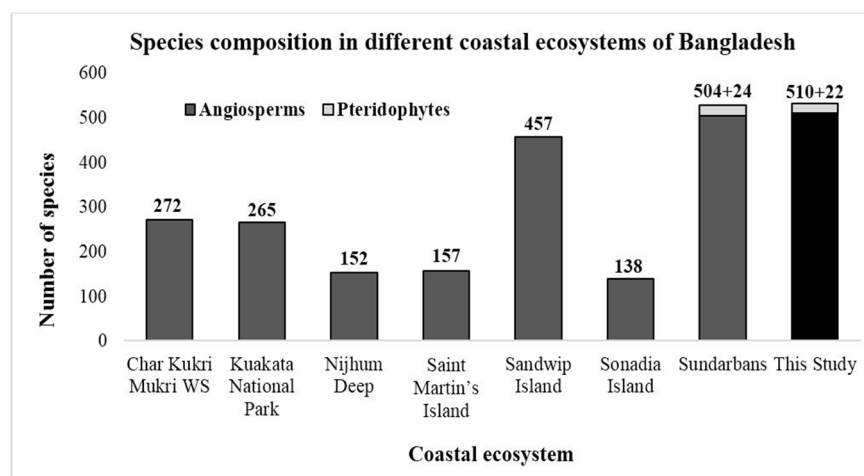


Fig. 5. Species composition in different coastal ecosystems of Bangladesh.

Frequent occurrence of natural disasters such as tidal surges, cyclones and tropical storms, river bank and forest margin erosion by tidal waves as well as multifarious anthropogenic interferences including deforestation, over exploitation of coastal resource, illegal entrance, timber and firewood collection, unplanned tourism, pollution, plantation of exotic and non-mangrove tree species within the vacant spaces and margins of mangrove habitats, in addition to the lack of proper management and public awareness are the critical threats for the flora and habitats of the mangrove ecosystems of Barguna.

In spite of some severe threats, the study area is still floristically rich than that of previously conducted studies on some coastal ecosystems of the country. The floristic richness of this area might be due to continuous flow of fresh water across the area, its geographical position nearby the world largest mangrove (the Sundarbans) forest, diverse micro-habitats that supports both mangrove and non-mangrove plant species. Besides, the enumeration of the species done in this study is based on the extensive survey and collection throughout all localities of the mangrove ecosystems since a long period of time.

The present study provides baseline information on the vascular flora and relevant threats causing the loss of biodiversity. These information might be useful in undertaking appropriate master plan for sustainable conservation of biodiversity, coastal habitats and socio-economic development of this disaster prone area. The authors highly recommend adopting a master plan for

the mitigation of adverse impacts of climate change and anthropogenic interferences. It is strongly suggested to ensure regular monitoring the flora and habitats and implementation of adequate measures for the conservation of rare and threatened plants of this area.

### Acknowledgements

The authors are grateful to the Forest Department of GoB for providing permission to visit the study area frequently. The authors express their sincere thanks to Jahangirnagar University Herbarium (JUH) maintained under Plant Systematics and Biodiversity Laboratory, Department of Botany, Jahangirnagar University for providing support during taxonomic identification of the plant specimens. The authors are thankful to the Chief Editor and the Reviewers of the Journal for their critical review of the manuscript.

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*(Manuscript received on 15 June, 2022; revised on 28 November, 2022)*