

FLORISTIC DIVERSITY (MAGNOLIIDS AND EUDICOTS) OF BARAIYADHALA NATIONAL PARK, CHITTAGONG, BANGLADESH

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Abstract

An intensive floristic investigation provides the first systematic and comprehensive account of the floral diversity of Baraiyadhala National Park of Bangladesh, and recognizes 528 wild taxa belonging to 337 genera and 73 families (Magnoliids and Eudicots) in the park. Habit analysis reveals that trees (179 species) and herbs (174 species) constitute the major categories of the plant community followed by shrubs (95 species), climbers (78 species), and two epiphytes. Status of occurrence has been assessed for proper conservation management and sustainable utilization of the taxa resulting in 165 (31.25%) to be rare, 23 (4.36%) as endangered, 12 (2.27%) as critically endangered and 4 species (0.76%) are found as vulnerable in the forest. Fabaceae is the dominant family represented by 75 taxa, followed by Rubiaceae (47 taxa), Malvaceae (28 species), Asteraceae (27 species) and Euphorbiaceae (24 species). Twenty-three families represent single species each in the area.

Introduction

Baraiyadhala National Park as one of the important Protected Areas (PAs) of Bangladesh that lies between 22°40.489'–22°48'N latitude and 90°40'–91°55.979'E longitude and located in Sitakundu and Mirsharai Upazilas of Chittagong district. The forest is under the jurisdiction of Baraiyadhala Forest Range of Chittagong North Forest Division. The park encompasses 2,933.61 hectare (7,249 acres) area and is classified under Category II of the International IUCN classification of protected areas (Hossain, 2015). Formerly, it was a part of the Reserved Forest of Chittagong North Forest Division, and was declared as Baraiyadhala National Park on 6th April, 2010 by the Ministry of Environment and Forest through a Gazette notification no. MoEF/For-Sec-02/02 National Park/10/2010/210 dated 06/04/2010 under the Provisions of Article 23(1) of the Bangladesh Wildlife (Preservation) (Amendment) Act, 1974; which has now been altered by Wildlife (Conservation and Security) Act, 2012 (Hossain, 2015). The park comprises three blocks: Baraiyadhala and Wahidpur Blocks under Baraiyadhala Forest Beat, and Kunderhat Block under Bartakia Forest Beat.

The landscape of the forest is characterized by hills, valleys, gullies and numerous water streams and covered mainly by secondary degraded forests and plantations. Floristically Baraiyadhala National Park is rich and diverse. Hence, it is very important to take proper steps to conserve this natural forest; and to explore, document and analyze the species diversity occurring in the Baraiyadhala National Park before disappearing from nature.

However, the forest has not been botanized to determine the plant species diversity, their status of occurrence and conservation measures. Therefore, the present investigation aims to explore, collect, and document the Angiospermic (Magnoliids and Eudicots) plant resources in the forest, their conservation management and sustainable utilization.

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Material and Methods

The survey of the flora has been made through repeated field visits during February 2016 to July 2017 in Baraiyadhala National Park. Random sampling and collections of fertile specimens have been made for identification and voucher specimens have been preserved at Herbarium of Chittagong University (HCU). Collected specimens have been critically examined, studied and identified. Identifications have been confirmed by consulting standard literature and specimens and taxonomists of HCU and Bangladesh National Herbarium (DACB).

Nomenclature has been updated following recent literature (Ahmed *et al.*, 2008, 2009a,b,c,d; Rashid and Rahman, 2011, 2012), and confirmed with consulting The Plant List (2013) (<http://www.theplantlist.org>). Families are arranged according to the classification of Angiosperm Phylogeny Group (APG IV, 2016). The taxa are listed alphabetically under each family along with their habit, Bangla name, and status of occurrence (Table 1). Local names of many plants have been noted from local people during field trips and/or consulting Prain (1903), Heinig (1926), Huq (1986), Das and Alam (2001), and Dey *et al.* (1999).

Results and Discussion

The present inventory provides the first systematic and comprehensive account of the floral diversity of the forest and recognizes 528 wild taxa belonging to 337 genera and 73 families (Magnoliids and Eudicots) in the park (Table 1).

Baraiyadhala National Park presents diverse habitat including hills, valleys, gullies and numerous water streams and covered mainly by secondary degraded forests. Some patches of the forest are planted with *Acacia auriculiformis* (Akashmoni), *Artocarpus chama* (Chapalish), *Chukrasia tabularis* (Chikrassi), *Eucalyptus* sp. (Eucalyptus), *Gmelina arborea* (Gamar), *Dipterocarpus turbinatus* (Garjan), *Swietenia mahagoni* (Mehogini), *Azadirachta indica* (Neem), *Aphanamixis polystachya* (Pitraj), *Tectona grandis* (Segun), *Hopea odorata* (Telsur), *Toona ciliata* (Toon) etc. The palms, rattans and bamboos mostly occupy the valleys. Common shrubs, herbs, grasses and babanas are fragmented to degraded habitats. A few individuals of Boilam (*Anisoptera scaphula*), Civit (*Swintonia floribunda*) and Lohakat (*Xylia xylocarpa* var. *kerrii*) are still available as characteristic elements of the forest. Some epiphytic species of *Cymbidium*, *Dendrobium*, *Drynaria*, *Raphidophra*, and *Phothos* are distributed in the forest area, while luxuriant growth of Aroids, Begonias, Bryophytes and Pteridophytes is observed in the natural moist habitats of the park. One of the most characteristic features of this forest is the occurrence of three indigenous gymnospermic species, *Cycas pectinata* Buch.-Ham., *Podocarpus neriifolius* D. Don and *Gnetum montanum* Markgr. In Bangladesh, Baraiyadhala National Park is the only home of *C. pectinata*. The biodiversity of the area is highly imperiled due to anthropogenic activities, including habitat destruction, over-exploitation, unsustainable hunting and all of these three species are critically endangered and are on the verge of extinction in the forest. However, Nguyen (2010) categorizes *C. pectinata* as Vulnerable (VU).

The park is dominated by trees and herbs consisting of 179 (33.90%) and 174 (32.95%) species respectively, followed by 18% shrub (95 spp.), 14.77% climbers (78 spp.), and two epiphytes. Fabaceae appears as the largest family with 75 taxa, followed by Rubiaceae (47 taxa), Malvaceae (28 spp.), Asteraceae (27 spp.) and Euphorbiaceae (24 spp.). Twenty-three families are represented by single species each in the study area. Ten dominant families (Fig. 2) constitute 320 species amounting 60.60% of the total species reported from the park, while remaining 63 families comprise only 39.40% of total species.

Status of occurrence has been assessed for proper conservation management and sustainable utilization of the natural resources of the forest. A total of 165 species (31.25%) are found to be rarely distributed in the forest, while 23 (4.36%) are assessed as endangered, 12 (2.27%) as

Table 1. Plant diversity in Baraiyadhala National Park.

Family	Taxa	Bangla name	Habit	Status of occurrence
Piperaceae	<i>Peperomia pellucida</i> (L.) Kunth	Luchi pata	H	Common
	<i>Piper longum</i> L.	Pipul	H	Rare
	<i>P. rhytidocarpum</i> Hook. f.	Ban pipul	CS	Common
	<i>P. sylvaticum</i> Roxb.	Ban Pan	Cr	Common
Aristolochiaceae	<i>Aristolochia indica</i> L.	Ishwarmul	Cl	Rare
	<i>A. saccata</i> Wall.	Ishwarmul	Cl	Rare
	<i>A. tagala</i> Cham.	Ishwarmul	WT	Rare
Myristicaceae	<i>Knema erratica</i> (Hook. f. & Thom.) Sinclair	-	T	Critically endangered
	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Champa	T	Common
Annonaceae	<i>Artabotrys caudatus</i> Wall. ex Hook. f. & Thomson	-	WC	Endangered
	<i>Desmos chinensis</i> Lour.	Sotoyalang	S	Common
	<i>D. dumosus</i> (Roxb.) Saff.	-	WC	Endangered
	<i>Fissistigma rubiginosum</i> (A. DC.) Merr.	-	WC	Endangered
	<i>F. wallichii</i> (Hook.f. & Thom.) Merr.	-	WC	Endangered
	<i>Uvaria dioeca</i> Roxb.	Tasbi	T	Vulnerable
	<i>U. hamiltonii</i> Hook. f. & Thom.	Latkan	WC	Endangered
Lauraceae	<i>U. littoralis</i> (Blume) Blume	Bagh-runga	WC	Vulnerable
	<i>Actinodaphne gullavara</i> (Buch.-Ham. ex Nees) Almeida	Tejmatan	T	Common
	<i>Litsea glutinosa</i> (Lour.) C.B. Rob.	Menda	T	Common
	<i>L. monopetala</i> (Roxb.) Pers.	Menda	T	Rare
	<i>Machilus gamblei</i> King ex Hook. f.	Nala-amsi	T	Rare
Menispermaceae	<i>Cocculus hirsutus</i> (L.) Theob.	Jaljamani		Rare
	<i>Parabaena sagittata</i> Miers.	Jaljamani	Cl	Common
	<i>Stephania glabra</i> (Roxb.) Miers	Musahanilata	WC	Rare
	<i>S. japonica</i> (Thunb.) Miers	Nimukha	WC	Common
	<i>S. reticulata</i> Forman	-	Cl	Common
	<i>Tinospora crispa</i> (L.) Hook. f. & Thom.	Gulancha	WC	Endangered
Sabiaceae	<i>Meliosma pinnata</i> (Roxb.) Maxim.	Attalia	T	Rare
Proteaceae	<i>Helicia excelsa</i> (Roxb.) Blume	-	T	Rare
Dilleniaceae	<i>Dillenia pentagyna</i> Roxb.	Banchalta	T	Critically Endangered
	<i>D. scabrella</i> (D. Don) Roxb. ex Wall.	Ajuli	T	Common
Vitaceae	<i>Ampelocissus barbata</i> (Wall.) Planch.	Jarila-lahari	CS	Common
	<i>Cayratia japonica</i> (Thunb.) Gagnep.	-	Cl	Common
	<i>C. trifolia</i> (L.) Domin	Amal lata	Cl	Common
	<i>Cissus assamica</i> (M.A. Lawson) Craib	Amasha-lata	WC	Common
	<i>C. elongata</i> Roxb.	Dhemna	Cl	Common
	<i>C. javana</i> DC.	Bichitra-lata	Cl	Common
	<i>C. pentagona</i> Roxb.	Sona-lota	Cl	Rare
	<i>Leea aequata</i> L.	Kakjangha	S	Rare
	<i>L. asiatica</i> (L.) Ridsdale	Mach	S	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Vitaceae	<i>L. guineensis</i> G. Don	Phupharia	S	Rare
	<i>L. indica</i> (Burm.f.) Merr.	Kurkurji	T	Common
	<i>L. macrophylla</i> Roxb. ex Hornem.	-	T	Rare
	<i>Tetrastigma angustifolia</i> (Roxb.) Deb	Nekung riubi	Cl	Rare
	<i>T. bracteolatum</i> (Wall.) Planch.	Golgoli lata	Cl	Rare
	<i>T. hookeri</i> (M.A. Lawson) Planch.	Horina-lata	WC	Common
	<i>T. leucostaphylum</i> (Dennst.) Alston	Nekung	WC	Rare
Fabaceae	<i>Abrus precatorius</i> L.	Kunch	WC	Common
	<i>A. pulchellus</i> Wall. ex Thwaites	Kaichagula	TS	Rare
	<i>Adenanthera pavonina</i> L.	Raktachandan	T	Common
	<i>Albizia odoratissima</i> (L. f.) Benth.	Tetuya Koroi	T	Common
	<i>A. richardiana</i> (Voigt) King & Prain	Gagan Siris	T	Common
	<i>A. saman</i> (Jacq.) Merr.	Rendi koroi	T	Common
	<i>Bauhinia acuminata</i> L.	Sada kancon	S	Common
	<i>B. purpurea</i> L.	Devakanchan	T	Common
	<i>B. scandens</i> L.	Gendi lata	WC	Common
	<i>B. variegata</i> L.	Raktakancan	T	Common
	<i>Butea monosperma</i> (Lam.) Taub.	Palash	T	Common
	<i>Caesalpinia bonduc</i> (L.) Roxb.	Natakaranga	SS	Rare
	<i>C. digyna</i> Rottler	Umulkuchi	S	Rare
	<i>Cajanus scarabaeoides</i> (L.) Thouars	-	Tw	Rare
	<i>Calliandra umbrosa</i> (Wall.) Benth.	Chotobetmara	Tree	Common
	<i>Cassia fistula</i> L.	Sonalu	Tree	Common
	<i>C. javanica</i> subsp. <i>nodosa</i> (Roxb.) K. Larsen & S.S. Larsen	Bon-sonalu	Tree	Rare
	<i>C. obtusifolia</i> L.	Chakunda	U	Common
	<i>Codariocalyx gyroides</i> (Link) Hassk.	-	S	Rare
	<i>C. motorius</i> (Houtt.) H. Ohashi	Gorachand	S	Rare
	<i>Crotalaria acicularis</i> Buch.-Ham. ex Benth.	-	H	Common
	<i>C. albida</i> Roth	-	H	Common
	<i>C. bracteata</i> DC	-	S	Common
	<i>C. calycina</i> Schrank	-	H	Common
	<i>C. dubia</i> Graham	-	H	Common
	<i>C. ferruginea</i> Benth.	-	H	Common
	<i>C. incana</i> L.	Chotojhunjhuna	H	Rare
	<i>C. pallida</i> Aiton	Jhun-jhuni	H	Common
	<i>C. tetragona</i> Roxb. ex Andrews	-	H	Rare
	<i>C. verrucosa</i> L.	Bansan	U	Common
	<i>Dalbergia sericea</i> G. Don	Sristi	T	Rare
	<i>D. lanceolaria</i> L. f.	Chakemdia	T	Rare
	<i>D. malabarica</i> Prain	-	T	Rare
	<i>D. spinosa</i> Roxb.	Ananta kantha	LS	Common
	<i>D. stipulacea</i> Roxb.	Dadbari	T	Rare
	<i>D. volubilis</i> Roxb.	Ankilata	WC	Rare
<i>Dendrolobium triangulare</i> (Retz.) Schindl.	Bir Jarwar	S	Rare	
<i>Derris robusta</i> (DC.) Benth.	Jangaria	T	Rare	

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence	
Fabaceae	<i>D. scandens</i> (Roxb.) Benth.	Amkurchi	WC	Common	
	<i>Desmodium gangeticum</i> (L.) DC.	Salpani	S	Common	
	<i>D. heterocarpon</i> (L.) DC.	-	S	Common	
	<i>D. heterophyllum</i> (Willd.) DC.	Bonmotorshuty	H	Common	
	<i>D. laxiflorum</i> DC.	-	S	Common	
	<i>D. triflorum</i> (L.) DC.	Kulalia	H	Common	
	<i>Entada gigas</i> (L.) Fawc. & Rendle	Gila	Cl	Rare	
	<i>E. rheedii</i> Spreng.	Gilalata	WC	Rare	
	<i>Erythrina variegata</i> L.	Mandar	T	Rare	
	<i>Flemingia macrophylla</i> (Willd.) Merr.	Bara salphan	LS	Common	
	<i>F. strobilifera</i> (L.) W.T.Aiton	Sim busak	S	Common	
	<i>Gliricidia sepium</i> (Jacq.) Walp.	Bashantamanju ri	MT	Rare	
	<i>Mimosa diplotricha</i> Sauvalle	Bara lajjabati	CS	Common	
	<i>M. himalayana</i> Gamble	Jharua	CS	Rare	
	<i>M. pudica</i> L.	Lajja bati	H	Common	
	<i>Mucuna monosperma</i> Wight	Soash guri	WC	Rare	
	<i>M. pruriens</i> (L.) DC.	Al-kushi	Cl	Common	
	<i>Phyllodium pulchellum</i> (L.) Desv.	Jatsalpani	S	Common	
	<i>Pithecellobium jiringa</i> (Jack) Merr.	Kuramara Gach	S	Common	
	<i>Pueraria tuberosa</i> (Willd.) DC.	Shimia	H	Common	
	<i>P. phaseoloides</i> var. <i>subspicata</i> (Benth.) Maesen	-	H	Common	
	<i>Saraca asoca</i> (Roxb.) Willd.	Ashok	T	Rare	
	<i>S. indica</i> L.	Ashok	T	Common	
	<i>Senna alata</i> (L.) Roxb.	Dad mardon	S	Common	
	<i>S. occidentalis</i> (L.) Link	Boro kalkasunda	H	Rare	
	<i>S. siamea</i> (Lam.) H. S. Irwin & Barneby	Minjiri	T	Common	
	<i>S. sophora</i> (L.) Roxb.	Kalkashunda	S	Common	
	<i>S. tora</i> (L.) Roxb.	Chakunda	H	Common	
	<i>Sesbania bispinosa</i> (Jacq.) Wight.	Dhaincha	H	Common	
	<i>Spatholobus parviflorus</i> (DC.) Kuntze	Goalia lata	Cl	Rare	
	<i>Tadehagi triquetrum</i> (L.) H. Ohashi	-	U	Common	
	<i>Tephrosia candida</i> (Roxb.) DC.	Bilokhoni	S	Common	
	<i>T. purpurea</i> (L.) Pers.	Bon neel	H	Common	
	<i>Uraria crinita</i> (L.) DC.	Dieng-kha-riu	S	Common	
	<i>U. rufescens</i> (DC.) Schindl.	Belai leza	S	Common	
	<i>Vicia sativa</i> L.	Ankari	H	Common	
	<i>Xylia xylocarpa</i> var. <i>kerrii</i> (Craib & Hutch.) I.C. Nielsen	Lohakat	T	Rare	
	Polygalaceae	<i>Salomonina ciliata</i> (L.) DC.	-	H	Common
		<i>Xanthophyllum flavescens</i> Roxb.	Ajensak	T	Common
	Rhamnaceae	<i>Gouania napalensis</i> Wall.	-	CS	Common
		<i>G. tiliifolia</i> Lam.	-	SS	Rare
		<i>Ziziphus glabrata</i> Heyne ex Roth.	Pahari boroi	S	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Rhamnaceae	<i>Z. oenoplia</i> (L.) Mill.	Banboroi	S	Common
Ulmaceae	<i>Trema orientalis</i> (L.) Blume	Jiban	T	Common
Moraceae	<i>Artocarpus lakoocha</i> Roxb.	Deua	T	Common
	<i>Ficus benjamina</i> L.	Pakur	T	Common
	<i>F. benghalensis</i> L.	Bot	T	Common
	<i>F. fistulosa</i> Reinwtd. ex Blume	-	ST	Common
	<i>F. tinctoria</i> subsp. <i>gibbosa</i> (Blume) Corner	Bot	T	Common
	<i>F. heterophylla</i> L. f.	Bhui dumur	CS	Common
	<i>F. hispida</i> L. f.	Kakdumur	ST	Common
	<i>F. punctata</i> Thunb.	-	CI	Common
	<i>F. semicordata</i> Buch.-Ham. ex Sm.	Jagadumur	ST	Common
	<i>Streblus asper</i> Lour.	Sheora	T	Common
Urticaceae	<i>Boehmeria glomerulifera</i> Miq.	Borthurthuri	S	Common
	<i>Dendrocnide sinuata</i> (Blume) Chew	-	S	Common
	<i>Oreocnide integrifolia</i> (Gaudich.) Miq.	Horhuta	ST	Common
	<i>Pilea microphylla</i> Liebm.	Mariccha lata	H	Common
	<i>Pouzolzia sanguinea</i> (Blume) Merr.	-	S	Common
	<i>P. zeylanica</i> (L.) Benn.	Kullaruki	H	Common
	<i>Sarcochlamys pulcherrima</i> Gaudich	Maricha	LS	Common
Fagaceae	<i>Castanopsis indica</i> (Roxb. ex Lindl.) DC.	Batna	T	Endangered
Betulaceae	<i>Alnus nepalensis</i> G. Don	-	T	Endangered
Cucurbitaceae	<i>Actinostemma tenerum</i> Griff.	Golapata	H	Common
	<i>Citrullus colocynthis</i> (L.) Schrad.	Indrayan	CI	Endangered
	<i>Coccinia grandis</i> (L.) Voigt	Telakucha	H	Common
	<i>Hodgsonia macrocarpa</i> (Bl.) Cogn.	Pathligular	CI	Critically Endangered
	<i>Thladiantha cordifolia</i> (Bl.) Cogn.	-	CI	Rare
	<i>Trichosanthes cordata</i> Roxb.	Bhuikakra	CI	Rare
	<i>T. tricuspidata</i> Lour.	Makal	H	Rare
Datiaceae	<i>Tetrameles nodiflora</i> R. Br.	Chundul	TT	Rare
Begoniaceae	<i>Begonia roxburghii</i> (Miq.) A. DC.	-	H	Endangered
Celastraceae	<i>Euonymus attenuatus</i> Wall. ex Laws.	-	S	Rare
	<i>E. glaber</i> Roxb.	-	ST	Rare
Connaraceae	<i>Connarus paniculatus</i> Roxb.	Katgular	WC	Rare
Oxalidaceae	<i>Biophytum sensitivum</i> (L.) DC.	Jhalali	H	Rare
	<i>Oxalis corniculata</i> L.	Amrul	H	Common
Elaeocarpaceae	<i>Elaeocarpus tectorius</i> (Lour.) Poir.	Jalpai	T	Rare
Clusiaceae	<i>Garcinia cowa</i> Roxb. ex Choisy	Kao-gola	MT	Rare
Hypericaceae	<i>Cratoxylum sumatranum</i> subsp. <i>neriifolium</i> (Kurz) Gogelein	Nerikath	LS	Common
Achariaceae	<i>Hydnocarpus kurzii</i> (King) Warb.	Chaulmoogra	T	Rare
Passifloraceae	<i>Adenia trilobata</i> (Roxb.) Engl.	Akandaphal	CI	Common
	<i>Passiflora foetida</i> L.	Jhumka-lata	H	Rare
Salicaceae	<i>Flacourtia jangomas</i> (Lour.) Racusch.	Paniamala	MT	Endangered
Euphorbiaceae	<i>Acalypha indica</i> L.	Muktajhuri	H	Common
	<i>Astraea lobata</i> (L.) Klotzsch	-	H	Common
	<i>Balakata baccata</i> (Roxb.) Esser	Katagola	T	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence	
Euphorbiaceae	<i>Chaetocarpus castanocarpus</i> (Roxb.) Thwaites	Bul kakra	MT	Common	
	<i>Chrozophora rotteri</i> (Geisel.) A. Juss. ex Spreng.	Khudi okra	H	Common	
	<i>Cnesmone javanica</i> Blume	Paharibichuti	WC	Common	
	<i>Croton bonplandianus</i> Baill.	Bondhone	H	Common	
	<i>C. caudatus</i> Geisel.	Nanbhanti	S	Common	
	<i>Euphorbia hirta</i> L.	Dudhiya	H	Common	
	<i>E. thymifolia</i> L.	Swetkan	H	Rare	
	<i>Falconeria insignis</i> Royle	Belua	T	Rare	
	<i>Jatropha gossypifolia</i> L.	Lal Bherendha	S	Common	
	<i>Macaranga denticulata</i> (Bl.) Müll.Arg.	Bura, Jagra	T	Common	
	<i>M. peltata</i> (Roxb.) Müll.Arg.	-	T	Common	
	<i>Mallotus nudiflorus</i> (L.) Kulju & Welzen	Pitali	T	Rare	
	<i>M. philippensis</i> (Lam.) Müll.Arg.	Kamela	ST	Rare	
	<i>M. repandus</i> (Willd.) Müll.Arg.	Gunti	ST	Rare	
	<i>M. roxburghianus</i> Müll.Arg.	Nim puteli	S	Rare	
	<i>M. tetracoccus</i> (Roxb.) Kurz	Kumari-bura	MT	Rare	
	<i>Manihot esculenta</i> Crantz	Kasava	S	Rare	
	<i>Ricinus communis</i> L.	Verenda	H	Common	
	<i>Shirakiopsis indica</i> (Willd.) Esser	Hura	ST	Rare	
	<i>Suregada multiflora</i> (A. Juss.) Baill.	Maricha	ST	Rare	
	<i>Tragia involucrata</i> L.	Bichuti	H	Rare	
	Phyllanthaceae	<i>Actephila excelsa</i> (Dalzell) Müll.Arg.	-	ST	Common
		<i>Antidesma acidum</i> Retz.	Chutki	T	Common
		<i>A. bunius</i> (L.) Spreng.	Banshial buka	MT	Rare
		<i>A. ghaesembilla</i> Gaertn.	Khudijam	MT	Rare
		<i>A. velutinosum</i> Bl.	-	ST	Rare
		<i>Aporosa aurea</i> Hook. f.	Kechuan	T	Common
<i>A. octandra</i> (Buch.-Ham. ex D. Don) Vickery		Pat khorulla	ST	Common	
<i>A. wallichii</i> Hook.f.		Karullah	T	Rare	
<i>Baccaurea ramiflora</i> Lour.		Latkon	MT	Rare	
<i>Bischofia javanica</i> Bl.		Kanjlabhadi	T	Common	
<i>Breynia retusa</i> (Dennst.) Alston		Silpati	S	Rare	
<i>Bridelia stipularis</i> (L.) Bl.		Pat khowi	ST	Common	
<i>B. tomentosa</i> Bl.		Khoi	ST	Rare	
<i>B. verrucosa</i> Haines		-	ST	Common	
<i>Glochidion assamicum</i> (Müll.Arg.) Hook.f.		-	ST	Rare	
<i>G. lanceolarium</i> (Roxb.) Voigt		Bhuri	ST	Common	
<i>G. multiloculare</i> (Rottler ex Willd.) Voigt		Keotomi	ST	Common	
<i>G. sphaerogynum</i> (Müll.Arg.) Kurz		-	T	Rare	
<i>Phyllanthus attenuatus</i> Miq.		Panjuli	S	Rare	
<i>P. niruri</i> L.		Bhuimala	H	Common	
<i>P. reticulatus</i> Poir.		Chitka	S	Common	
<i>P. sikkimensis</i> Müll.Arg.		Sikim-amla	LS	Common	

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Combretaceae	<i>Combretum album</i> Pers.	Kali gumuchi	SS	Rare
	<i>C. apetalum</i> Wall. ex Kurz	Dolhara	S	Rare
	<i>Getonia floribunda</i> Roxb.	Guicha lata	SS	Rare
	<i>Terminalia alata</i> Heyne ex Roth.	Asal	TT	Rare
	<i>T. bellirica</i> (Gaertn.) Roxb.	Bohera	T	Rare
Lythraceae	<i>Ammannia multiflora</i> Roxb.	-	H	Common
	<i>Lagerstroemia parviflora</i> Roxb.	Baturi	MT	Rare
	<i>Woodfordia fruticosa</i> (L.) Kurz	Dhatrphul	S	Common
	<i>Duabanga grandiflora</i> (Roxb. ex DC.) Walp.	Bandarhulla	T	Rare
Onagraceae	<i>Ludwigia adscendens</i> (L.) H. Hara	Kesardam	CH	Common
	<i>L. hyssopifolia</i> (G. Don) Exell	-	H	Common
Myrtaceae	<i>Syzygium nervosum</i> A. Cunn. ex DC.	Bhutijam	T	Rare
	<i>S. fruticosum</i> DC.	Khudijam	ST	Rare
Melastomataceae	<i>Melastoma malabathricum</i> L.	Bantejpzta	S	Common
	<i>Osbeckia aspericaulis</i> Hook. f. ex Tri.	-	S	Common
Crypteroniaceae	<i>Crypteronia paniculata</i> Blume	Goru-mara	T	Rare
Burseraceae	<i>Protium serratum</i> (Wall. ex Colebr.) Engl.	Gutguya	T	Rare
Anacardiaceae	<i>Bouea oppositifolia</i> (Roxb.) Adelb.	Uri Aam	T	Rare
	<i>Buchanania lancifolia</i> Roxb.	Chikki	T	Rare
	<i>Drimycarpus racemosus</i> (Roxb.) Hook.f. ex Marchand.	Nala-amshi	T	Critically Endangered
	<i>Holigama caustica</i> (Dennst.) Oken	Barola	T	Critically Endangered
	<i>Lannea coromandelica</i> (Houtt.) Merr.	Jiga	T	Rare
	<i>Mangifera laurina</i> Bl.	Jangali aam	T	Vulnerable
	<i>M. sylvatica</i> Roxb. ex Wall.	Uri Aam	T	Critically Endangered
	<i>Semecarpus subpanduriformis</i> Wall.	Beula	T	Rare
	<i>Spondias pinnata</i> (L. f.) Kurz	Amra	T	Rare
	<i>Swintonia floribunda</i> Griff.	Chundul	T	Critically Endangered
Sapindaceae	<i>Allophylus cobbe</i> (L.) Raeusch.	Chita	S	Common
	<i>A. villosa</i> (Roxb.) Blume	-	ST	Common
Sapindaceae	<i>Cardiospermum halicacabum</i> L.	Phutka	H	Common
	<i>Lepisanthes rubiginosum</i> (Roxb.) Leenh.	Baraharina	ST	Rare
	<i>L. senegalensis</i> (Poir.) Leenh.	Gotaharina	S	Common
	<i>Xerospermum laevigatum</i> Radlk.	Murailah lichu	T	Rare
Rutaceae	<i>Aegle marmelos</i> (L.) Corr.	Bel	T	Rare
	<i>Acronychia pedunculata</i> (L.) Miq.	Bon jamir	ST	Rare
	<i>Citrus aurantiifolia</i> (Christm.) Sw.	Lebu	S	Common
	<i>Clausena heptaphylla</i> (Roxb.) Wight & Arn.	Karanphul	S	Common
	<i>Glycosmis pentaphylla</i> (Retz.) DC.	Sheora	S	Common
	<i>Micromelum minutum</i> Wight & Arn.	Koroiphula	ST	Common
	<i>Paramignya scandens</i> (Griff.) Craib.	Bannebu	ST	Rare

Table 1 contd.

Family	Taxa	Bangla name	Habit	Status of occurrence	
Meliaceae	<i>Aglaia edulis</i> (Roxb.) Wall.		T	Critically endangered	
	<i>Aphanamixis polystachya</i> (Wall.) R. Parker	Pitraj	T	Common	
	<i>Azadirachta indica</i> A. Juss.	Neem	T	Common	
	<i>Chisocheton paniculatus</i> Hiern	Rata	T	Rare	
	<i>Chukrasia tabularis</i> A. Juss.	Chikrassi	T	Common	
	<i>Melia azedarach</i> L.	Bokhain	T	Rare	
	<i>Swietenia mahagoni</i> (L.) Jacq.	Mehogini	T	Common	
	<i>Toona ciliata</i> M. Roem	Toon	T	Common	
	Malvaceae	<i>Abelmoschus moschatus</i> Medik.	Mushakdana	H	Common
		<i>Abroma augusta</i> (L.) L. f.	Ulatkambal	ST	Common
<i>Abutilon indicum</i> (L.) Sweet		Petari	H	Common	
<i>Bombax ceiba</i> L.		Shimul	T	Common	
<i>B. insigne</i> Wall.		Ban-simul	T	Rare	
<i>Brownlowia elata</i> Roxb.		Masjot	T	Critically endangered	
<i>Byttneria pilosa</i> Roxb.		Harjora-lata	WC	Common	
<i>Ceiba pantandra</i> (L.) Gaertn.		Pahari tula	T	Rare	
<i>Corchorus aestuans</i> L.		Titapat	H	Rare	
<i>Firmiana colorata</i> (Roxb.) R. Br.		Patagota	T	Critically endangered	
<i>Grewia asiatica</i> L.		Pholsa	ST	Common	
<i>G. laevigata</i> Vahl		Panisara	ST	Common	
<i>G. nervosa</i> (Lour.) Panigrahi		Asar	ST	Common	
<i>G. serrulata</i> DC.		Panisara	T	Rare	
<i>Hibiscus vitifolius</i> L.		Bon-karpas	H	Common	
<i>Malachra capitata</i> L.		Bon vindi	H	Rare	
<i>Pterospermum acerifolium</i> (L.) Willd.		Musigondha	T	Endangered	
<i>P. semisagittatum</i> Buch.-Ham. ex Roxb.		Bara assar	T	Endangered	
<i>Sida acuta</i> Burm. f.		Kureta	H	Common	
<i>S. cordata</i> (Burm. f.) Borss. Waalk.		Jhumka	H	Common	
<i>S. cordifolia</i> L.		Berela	H	Common	
<i>S. mysorensis</i> Wight & Arn.		Chatehata	H	Common	
<i>Sterculia foetida</i> L.		Udal	MT	Endangered	
<i>S. hamiltonii</i> (Kuntze) Adelb.		-	ST	Endangered	
<i>S. villosa</i> Roxb. ex Smith		Udal	MT	Endangered	
<i>Triumfetta pilosa</i> Roth		-	H	Common	
<i>T. rhomboidea</i> Jacq.		Ban okra	H	Common	
<i>Urena lobata</i> L.		Banokra	H	Common	
Bixaceae		<i>Bixa orellana</i> L.	Latkon	ST	Rare
Dipterocarpaceae		<i>Anisoptera scaphula</i> (Roxb.) Pierre.	Boilsur	T	Critically endangered
	<i>Dipterocarpus costatus</i>	Garjan	T	Rare	
	<i>D. turbinatus</i> Gaertn.	Teli garjan	T	Common	
Capparaceae	<i>Hopea odorata</i> Roxb.	Telsur	T	Common	
	<i>Capparis spinosa</i> L.	Kabra	S	Rare	
	<i>Cleome rutidosperma</i> DC.	Begunehurhury	H	Common	
	<i>C. viscosa</i> L.	Holdehurhury	H	Common	

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Capparaceae	<i>Crateva religiosa</i> G. Forst.	Barun	ST	Common
	<i>Capsella bursa-pastoris</i> (L.) Medik.	Capsala	H	Common
Brassicaceae	<i>Rorippa indica</i> (L.) Hiern	Ban-saruisha	H	Common
	<i>R. palustris</i> (L.) Besser	Panisarisha	H	Common
Loranthaceae	<i>Dendrophthoe pentandra</i> (L.) Miq.	-	S	Rare
	<i>Macrosolen cochinchinensis</i> (Lour.) Van Tiegh.	Chota banda	S	Rare
	<i>Scurrula gracilifolia</i> (Schult.) Danser	Pargacha	S	Rare
	<i>S. parasitica</i> L.	Parula	S	Rare
Polygonaceae	<i>Persicaria chinensis</i> (L.) H.Gross	Mohicharan sak	H	Common
	<i>P. hydropiper</i> (L.) Delarbre	Bishkatali	H	Common
	<i>P. orientalis</i> (L.) Spach	Panimarich	H	Common
	<i>Polygonum viscosum</i> Buch.-Ham. ex D. Don	Athalo bishkatali	H	Rare
Amaranthaceae	<i>Rumex vesicarius</i> L.	Tokpalong	H	Rare
	<i>Achyranthes aspera</i> L.	Apang	H	Common
	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Sachishak	H	Common
	<i>A. sessilis</i> (L.) R. Br. ex DC.	Chanchi	H	Common
	<i>Amaranthus spinosus</i> L.	Kantanotey	H	Common
	<i>A. viridis</i> L.	Notey shak	H	Common
	<i>Celosia argentea</i> L.	Shet morogha	H	Common
Nyctaginaceae	<i>Chenopodium album</i> L.	Batua Shak	S	Common
	<i>Cyathula prostrata</i> (L.) Blume	Shyontula	H	Common
	<i>Gomphrena celosioides</i> Mart.	-	H	Common
Molluginaceae	<i>Boerhavia repens</i> L.	Punarnava	H	Common
Molluginaceae	<i>Glinus oppositifolius</i> (L.) A. DC.	Gimashakh	H	Common
	<i>Mollugo stricta</i> L.	Khetpapa	H	Rare
Portulacaceae	<i>Portulaca oleracea</i> L.	Nune shak	H	Common
Lecythidaceae	<i>Barringtonia acutangula</i> (L.) Gaertn.	Hijal	T	Common
Ebenaceae	<i>Diospyros malabarica</i> (Desr.) Kostl.	Deshi gab	T	Rare
	<i>D. racemosa</i> Roxb.	Gab	MT	Endangered
Primulaceae	<i>Ardisia humilis</i> Vahl	Chauldhoa	S	Common
	<i>A. paniculata</i> Roxb.	-	ST	Rare
	<i>A. sanguinolenta</i> Blume	-	ST	Endangered
Primulaceae	<i>A. solanacea</i> (Poir.) Roxb.	Bon -jam	S	Common
	<i>Maesa indica</i> (Roxb.) A. DC.	Sirkhi	S	Common
	<i>M. ramentacea</i> (Roxb.) A. DC.	Naricha	ST	Common
Actinidiaceae	<i>Saurauia roxburghii</i> Wall.	Bhola kadam	S	Rare
Rubiaceae	<i>Canthium angustifolium</i> Roxb.	Katamalli	S	Common
	<i>Ceriscoides campanulata</i> (Roxb.) Tirveng.	Tirveng	T	Endangered
Rubiaceae	<i>Chassalia curviflora</i> var. <i>ophioxylodes</i> (Wall.) Deb & B.Krishna	-	S	Rare
	<i>Dentella repens</i> (L.) J.R. Forst. & G. Frost.	Bhuiapat	H	Common
	<i>Gardenia coronaria</i> Buch.-Ham.	Torgular	MT	Rare
	<i>Haldina cordifolia</i> (Roxb.) Ridsd.	Kalakadam	T	Rare
	<i>Hedyotis scandens</i> Roxb.	Bish lata	H	Common
	<i>Hyptianthera stricta</i> (Roxb. ex Schult.) Wight & Arn.	-	S	Common

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Rubiaceae	<i>Ixora athrorantha</i> Bremek.	-	ST	Common
	<i>I. balakrishmanii</i> Deb & Rout	Bhantjhara	ST	Common
	<i>I. cuneifolia</i> Roxb.	Beophul	S	Common
	<i>I. nigricans</i> R.Br. ex Wight & Arn.	Nikranga	ST	Common
	<i>I. pavetta</i> Andr.	Swetrangan	ST	Common
	<i>I. pubirama</i> Bremek.	Keamosi	S	Common
	<i>I. spectabilis</i> Wall. ex G. Don	-	ST	Common
	<i>I. subsessilis</i> Wall. ex G. Don	Rengchan	S	Common
	<i>Knoxia sumatrensis</i> (Retz.) DC.	-	H	Common
	<i>Lasianthus hirsutus</i> (Roxb.) Merr.	Kala long	S	Common
	<i>Meyna spinosa</i> Roxb. ex Link	Mainakata	ST	Rare
	<i>Mitracarpus hirtus</i> (L.) DC.	-	H	Common
	<i>Mitragyna diversifolia</i> (Wall. ex G. Don) Havil.	Phul-kadam	T	Common
	<i>M. parvifolia</i> var. <i>microphylla</i> (Kurz) Ridsdale	Putikadam	T	Near threatened
	<i>Morinda angustifolia</i> Roxb.	Banamali	ST	Common
	<i>M. citrifolia</i> L.	Ronch	ST	Common
	<i>M. persicifolia</i> Buch.-Ham.	-	S	Common
	<i>Mussaenda roxburghii</i> Hook. f.	Sildauro	S	Common
	<i>Neolamarckia cadamba</i> (Roxb.) Boss.	Kadom	T	Common
	<i>Neonauclea sessilifolia</i> (Roxb.) Merr.	Kom	T	Near threatened
	<i>Oldenlandia auricularia</i> (L.) K. Sch.	Mutia lata	H	Common
	<i>O. corymbosa</i> L.	Ketpapra	H	Common
	<i>O. diffusa</i> (Willd.) Roxb.	-	H	Common
	<i>Ophiorrhiza mungos</i> L.	Kalashana	H	Common
	<i>O. rugosa</i> var. <i>prostrata</i> (D. Don) Deb & Mondal	Jari	H	Common
	<i>Oxyceros kunstleri</i> (King & Gamble) Tirveng.	Maish kata	CS	Rare
	<i>Paederia foetida</i> L.	Gandha-badali	Cl	Common
	<i>Pavetta indica</i> L.	Banamali	ST	Common
	<i>Prismatomeris tetrandra</i> (Roxb.) K. Schum.	Chinatita	ST	Common
	<i>Psychotria adenophylla</i> Wall.	Baro sudma	ST	Common
	<i>P. calocarpa</i> Kurz	Ranga bhutta	U	Common
	<i>P. monticola</i> Kurz	Hatichotra	S	Common
	<i>P. symplocifolia</i> Kurz	-	ST	Common
	<i>Spermacoce articularis</i> L.f.	Ahtharogia	H	Common
	<i>S. hispida</i> L.	Ahtharogia	H	Common
	<i>Tarenna companiflora</i> (Hook. f.) N.P. Balakr.	Kakra	ST	Common
	<i>Tarennoidea wallichii</i> Tirveng. & Sast.	-	T	Common
	<i>Uncaria scandens</i> (Smith) Hutch.	Vailful lata	Cl	Rare
	<i>Wendlandia tinctoria</i> subsp. <i>orientalis</i> Cowan	Tulaload	ST	Common
	Gentianaceae	<i>Exacum tetragonum</i> Roxb.	Kuchuri	H
<i>Fagraea ceilanica</i> Thunb.		-	ST	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence	
Apocynaceae	<i>Alstonia scholaris</i> (L.) R. Br.	Chaitan	T	Common	
	<i>Anodendron paniculatum</i> A.DC.	Dul	WC	Rare	
	<i>Asclepias curassavica</i> L.	Moricha	H	Rare	
	<i>Calotropis gigantea</i> (L.) Dryand.	Akanda	S	Common	
	<i>Chonemorpha fragrans</i> (Moon) Alston	Gar badero	WC	Endangered	
	<i>Gymnema acuminatum</i> Wall.	Khara lata	WT	Rare	
	<i>Hemidesmus indicus</i> (L.) R.Br. ex Schult.	Anantamul	H	Rare	
	<i>Holarrhena pubescens</i> (Roth) Wall. ex A. DC.	Kurchi, Kuruj	ST	Rare	
	<i>Hoya globulosa</i> Hook. f.	Pargacha	Ep	Rare	
	<i>H. parasitica</i> (Roxb.) Wall. ex Wight	Pargacha	E	Common	
	<i>Ichnocarpus frutescens</i> (L.) W. T. Aiton	Syamalota	CS	Rare	
	<i>Melodinus cochinchinensis</i> (Lour.) Merr.	-	WT	Vulnerable	
	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Sarpagandha	H	Endangered	
	<i>Strophanthus wallichii</i> A. DC.	-	WC	Endangered	
	<i>Tabernaemontana divaricata</i> (L.) R. Br. ex Roem. & Schult.	Togor	S	Common	
	<i>Tylophora hirsuta</i> Wight	Anantamul	Tw	Rare	
	<i>Vallisneria spiralis</i> (L.) Kuntze	Hadpur	SS	Critically endangered	
	Boraginaceae	<i>Wrightia arborea</i> (Dennst.) Mabb.	Dudhkurush	T	Endangered
		<i>Cordia dichotoma</i> G. Forst.	Buha	T	Rare
		<i>Heliotropium indicum</i> L.	Hatisur	H	Common
Convolvulaceae	<i>Argyrea argentea</i> (Roxb.) Choisy.	Bara rupatola	Cl	Common	
	<i>A. capitiformis</i> (Poir.) Ooststr.	Vogalata	Cl	Rare	
	<i>A. splendens</i> (Hornem.) Sweet	Borogandobaduli	Cl	Rare	
	<i>Calystegia hederacea</i> Wall.	-	Tw	Common	
	<i>Cuscuta reflexa</i> Roxb.	Swornalata	P	Rare	
	<i>Evolvulus nummularius</i> (L.) L.	Bhui-akra	H	Common	
	<i>Hewittia malabarica</i> (L.) Suresh	-	Cl	Common	
	<i>Ipomoea alba</i> L.	Dudhikalmi	Tw	Rare	
	<i>I. aculeata</i> var. <i>mollissima</i> (Zoll.) Hallier f. ex Oostr.	-	Cl	Rare	
	<i>I. aquatica</i> Forssk.	Kalmishak	AH	Common	
	<i>I. carnea</i> Jacq.	Dholkolmi	H	Common	
	<i>I. fistulosa</i> Mart. ex Choisy	Dhol Kolmi	S	Common	
	<i>I. hederifolia</i> L.	Neela-kalmi	Tw	Rare	
	<i>I. mauritiana</i> Jacq.	Bhui-Kumra	Tw	Rare	
	<i>I. pes-tigridis</i> L.	Languli lata	Cl	Common	
	<i>I. pileata</i> Roxb.	-	Cl	Common	
	<i>Jacquemontia paniculata</i> (Burm. f.) Hallier f.	Montilata	Tw	Rare	
	<i>Merremia umbellata</i> (L.) Hallier	Sadakamni	Cl	Common	
	<i>M. vitifolia</i> (Burm. f.) Hallier f.	-	Tw	Common	
	<i>Operculina turpethum</i> (L.) Silva Manso	Dudh kalmi	Tw	Rare	

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Solanaceae	<i>Datura metel</i> L.	Kala datura	H	Common
	<i>Nicotiana plumbaginifolia</i> Viv.	Bon tamak	H	Common
	<i>Physalis angulata</i> L.	Fotka	H	Common
	<i>P. micrantha</i> Link.	Bantipariya	H	Common
	<i>P. minima</i> L.	Phutka	H	Common
	<i>Solanum ilicifolium</i> Dunal	Tepari	H	Common
	<i>S. indicum</i> L.	Bon Begun	S	Common
	<i>S. nigrum</i> L.	Kakmachi	H	Common
	<i>S. sisymbriifolium</i> Lam.	Kanta begun	H	Common
	<i>S. torvum</i> Sw.	Tit begun	S	Common
	<i>S. virginianum</i> L.	Kantakari	H	Common
	Oleaceae	<i>Jasminum scandens</i> Vahl	-	WC
<i>Ligustrum robustum</i> (Roxb.) Blume		-	LS	Rare
<i>Myxopyrum smilacifolium</i> (Wall.) Bl.		-	SS	Rare
Scrophulariaceae	<i>Adenosma indianum</i> (Lour.) Merr.	Barakesuti	H	Common
	<i>Buddleja asiatica</i> Lour.	Neemda	S	Rare
	<i>Lindernia antipoda</i> (L.) Alston	-	H	Common
	<i>Picria fel-terrae</i> Lour.	-	H	Rare
	<i>Scoparia dulcis</i> L.	Bandhane	H	Common
	<i>Torenia asiatica</i> L.	-	H	Common
	<i>T. diffusa</i> D. Don	-	H	Common
	<i>T. flava</i> Buch.-Ham. ex Benth.	-	H	Common
Acanthaceae	<i>Andrographis laxiflora</i> (Bl.) Lindau	Algatita	H	Rare
	<i>A. paniculata</i> (Burm. f.) Nees	Kalmegh	H	Rare
	<i>Barleria strigosa</i> Willd.	Katapol	H	Rare
	<i>Dicliptera chinensis</i> (L.) Juss.	-	H	Rare
	<i>Ecbolium ligustrinum</i> (Vahl) Voll.	-	S	Rare
	<i>Eranthemum pulchellum</i> Andrew	-	S	Common
	<i>E. strictum</i> Colebr. ex Roxb.	Khara murali	H	Rare
	<i>Justicia adhatoda</i> L.	Basak	S	Common
	<i>J. gendarussa</i> Burm. f.	Jugmadan	U	Common
	<i>Hygrophila polysperma</i> (Roxb.) T. Anders	-	H	Common
	<i>H. ringens</i> (L.) R. Br. ex Spreng.	Kakmasha	H	Common
	<i>Lepidagathis incurva</i> Buch.-Ham. ex D. Don	Karoggethis	H	Common
	<i>Nelsonia canescens</i> (Lam.) Spreng.	Paramul	H	Common
	<i>Phaulopsis imbricata</i> (Forssk.) Sweet	Kantasi	H	Common
	<i>Ruellia acuminata</i> L.	-	H	Common
	<i>R. tuberosa</i> L.	Chotpoty	H	Common
	<i>Rungia pectinata</i> (L.) Nees	Pindi	H	Common
	<i>Staurogyne argentea</i> Wall.	-	H	Rare
	<i>Strobilanthes auriculatus</i> Nees	Kurinji	S	Rare
	<i>S. scaber</i> Nees	-	H	Rare
<i>Thunbergia alata</i> Bojer ex Sims	Ghontolata	Cl	Rare	
<i>T. grandiflora</i> (Roxb. ex Rotl.) Roxb.	Nallata	Cl	Common	
Bignoniaceae	<i>Oroxylum indicum</i> (L.) Kurz	Thona	T	Rare
	<i>Stereospermum chelonoides</i> (L.f.) DC.	Kam sonalu	T	Rare
	<i>S. tetragonum</i> DC.	Dharmara	T	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Verbenaceae	<i>Duranta erecta</i> L.	Kantamehedi	SS	Common
	<i>Lantana camara</i> L.	Lantana	S	Common
	<i>Lippia alba</i> (Mill.) N.E. Br. ex Britton & P. Wilson	Motmotia	S	Common
Lamiaceae	<i>Phyla nodiflora</i> (L.) Greene	Bhuiokra	H	Common
	<i>Anisomeles indica</i> (L.) O. Kuntze	Gobura	H	Common
	<i>Callicarpa arborea</i> Roxb.	Bormala	T	Rare
	<i>C. macrophylla</i> Vahl	Bormala	T	Rare
	<i>Clerodendrum indicum</i> (L.) Kuntze	Bamunhatti	H	Common
	<i>C. infortunatum</i> L.	Ghetu	S	Common
	<i>C. laevifolium</i> Bl.	-	S	Common
	<i>Gmelina arborea</i> Roxb.	Gamar	H	Common
	<i>Hyptis brevipes</i> Poit.	-	H	Common
	<i>H. capitata</i> Jacq.	-	H	Common
	<i>H. suaveolens</i> (L.) Poit.	Tokma	H	Common
	<i>Leonurus sibiricus</i> L.	Roktodron	H	Rare
	<i>Leucas aspera</i> (Willd.) Link	Shetodron	H	Common
	<i>L. zeylanica</i> (L.) Aiton	Dondokolosh	H	Common
	<i>Ocimum americanum</i> L.	Bon Tulsi	H	Common
	<i>O. basilicum</i> L.	Babuitulshi	H	Common
	<i>Pogostemon auricularius</i> (L.) Hassk.	-	H	Common
	<i>Premna esculenta</i> Roxb.	Lalana	S	Common
	<i>Vitex altissima</i> L.f.	Awalya	T	Rare
	<i>V. glabrata</i> R. Br.	Ashal	T	Rare
<i>V. negundo</i> L.	Nishinda	ST	Common	
<i>V. peduncularis</i> Wall. ex Schauer	Awal	ST	Rare	
Campanulaceae	<i>Cyclocodon lancifolius</i> (Roxb.) Kurz	-	H	Rare
Asteraceae	<i>Acmella paniculata</i> (Wall. ex DC.) R.K. Jansen	Kannaghas	H	Common
	<i>Adenostemma lavenia</i> (L.) Kuntze	Baro-kesuti	H	Common
	<i>A. viscosum</i> J. R. Forst. & G. Forst.	Boro kesuti	H	Rare
	<i>Ageratum conyzoides</i> (L.) L.	Fulkuri	H	Common
	<i>Blumea fistulosa</i> (Roxb.) Kurz	-	H	Common
	<i>B. lacera</i> (Burm. f.) DC.	Kuksung	H	Common
	<i>B. lanceolaria</i> (Roxb.) Druce	-	H	Common
	<i>B. virens</i> DC.	Nilsabus	H	Common
	<i>Blumeopsis flava</i> (DC.) Gagnep	-	H	Common
	<i>Chromolaena odorata</i> (L.) R. M. King & H. Rob.	Assam-lata	H	Common
	<i>Crassocephalum crepidioides</i> S. Moore	-	H	Common
	<i>Cyanthillium cinereum</i> (L.) H. Rob.	Sahadebi	H	Common
	<i>Eclipta prostrata</i> (L.) L.	Kesraj	H	Common
	<i>Elephantopus scaber</i> L.	Gejiashak	H	Common
	<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Mechitra	H	Common
	<i>Grangea maderaspatana</i> (L.) Poir.	Namuti	H	Rare
	<i>Laphangium luteoalbum</i> (L.) Tzvelev	Dudh ghas	H	Common
	<i>Mikania scandens</i> (L.) Willd.	Tufanilata	H	Common
	<i>Pseudelephantopus spicatus</i> (B.Juss. ex Aubl.) Rohr ex Baker	Kukurgihba	H	Rare

Table 1 Contd.

Family	Taxa	Bangla name	Habit	Status of occurrence
Asteraceae	<i>Sonchus wightianus</i> DC.	-	H	Common
	<i>Sphaeranthus africanus</i> L.	Gongasag	H	Rare
	<i>S. indicus</i> L.	Murmuri	H	Rare
	<i>S. senegalensis</i> DC.	Senigalsag	H	Rare
	<i>Spilanthes acmella</i> (L.) L.	Nag phul	H	Common
	<i>Synedrella nodiflora</i> (L.) Gaertn.	Relanodi	H	Common
	<i>Tridax procumbens</i> L.	Tridhara	H	Common
	<i>Xanthium strumarium</i> L.	Ghagra	H	Common
Araliaceae	<i>Brassaiopsis glomerulata</i> (Bl.) Regel	Kurila	ST	Common
	<i>Trevesia palmata</i> (Roxb. ex Lindl.) Vis.	Vombal	LS	Common
Apiaceae	<i>Centella asiatica</i> (L.) Urb.	Thankuni	H	Common
	<i>Hydrocotyle sibthorpioides</i> Lam.	-	H	Common

H= Herb, CS= Climbing shrub, Cr= Creeper, WT= Woody twinner, T= Tree, S= Shrub, Cl= Cimber, WC= Woody climber, TS= Twining shrub, SS= Scandent shrub, Tw= Twiner, U= undershrub, LS= Large shrub, MT= Medium-sized tree, ST= Small tree, CH= Creeping herb, E= Epiphyte, P= Parasite, AH= Aquatic herb.

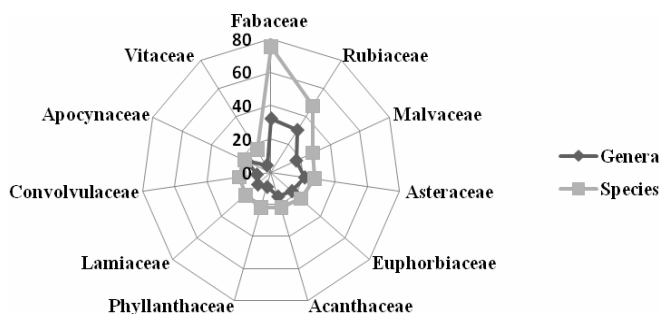


Fig. 2. Radar diagram shows ten dominant plant families in the Baraiyadhala National Park.

critically endangered and 4 species (0.76%) as vulnerable. All species belonging to the families Anacardiaceae (10 spp.), Bignoniaceae (3 spp.), Dipterocarpaceae (4 spp.), and Meliaceae (8 spp.) are trees and under threat in the forest. Rahman (2013) reported *Artabotrys caudatus* of the family Annonaceae as possibly extinct in Bangladesh. Recently this species has been reported from Hazarikhil Wildlife Sanctuary by Rahman (2017) and current investigation also reports its distribution in the Baraiyadhala National Park.

The present study reveals that communities around the area depend more or less on forest resources and some organized encroachers are also noticed. Furthermore, forest fire, livestock and other unsustainable resource utilization practices degrade the habitat in and around the forest. Climate change is an additional threat which may directly affect habitat and biodiversity, as well as indirectly by further increasing human pressure due to migration of peoples from coastal parts of Sitakunda and Mirsharai to the forest area. Development of tourism may enhance a future threat to the park. To address these challenges sustainable management plan for the protected area should be undertaken in the light of National Conservation Strategy, and proper implementation of the action plan is urgently required with collaboration and cooperation of stakeholders and local administrations. More particularly, the rare and threatened species along with their degraded habitats to be protected by taking proper conservation management programmes.

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