

CHECKLIST OF VASCULAR FLORA OF LATHITILA FOREST UNDER MOULVIBAZAR DISTRICT IN BANGLADESH

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Abstract

A floristic study has been conducted in Lathitila Forest (LF) to investigate the floral composition of the area. The study represents an elementary taxonomic data on the species composition of all vascular plants of LF. The result of this research shows that the LF comprises 524 vascular plant species under 365 genera and 112 families. Among the recorded species, Pteridophytes is represented by 38 species, Gymnosperms by 1 species, Dicotyledons by 387 species and Monocotyledons by 98 species. Among these species, the number of herbs, shrubs, climbers and trees are 206, 103, 71 and 144 respectively. Ten largest families of the area are Euphorbiaceae (with 37 species), Rubiaceae (with 30 species), Araceae (with 17 species), Moraceae (with 17 species), Poaceae (with 15 species), Orchidaceae (with 13 species), Acanthaceae (with 13 species), Asteraceae (with 13 species), Verbenaceae (with 12 species) and Zingiberaceae (with 12 species). The largest genus is *Ficus* with 14 species followed by *Lindernia*, *Tecteria*, *Solanum*, *Litsea* and *Begonia* with 5 species each. The data analysis has also revealed that 210 plant species (40% of the total flora) have either known economical or ecological values. This study has recorded 54 medicinal plants those are used by the local people for their primary health care.

Introduction

The natural hill forests of the country are considered as one of the richest and biologically diverse forest resources due to its unique Geo-physical location (Hossain, 2001). The total area of Bangladesh's hill forests is 6,70,000 ha (Chowdhury 2006) spreading over the region of the Chattogram, Cox's Bazar, Sylhet and Chittagong Hill Tracts. The Forests of Sylhet Division located in the North-eastern part of the country, extended an area of 40000 ha (FD, 1996). Except small part of fresh water swamp forest area (118.46 ha), the rest are hill forests having a mixture of tropical evergreen and deciduous vegetation. Now these forests are subject to unprecedented threat due to deforestation, fragmentation and the adverse effect of climate change (FAO 1998, Barua *et al.* 2010, Sarker *et al.* 2011). As a signatory to the convention on biological diversity (CBD), Bangladesh assigned high conservation priority to the remaining natural forests in the country. But, successful conservation requires detailed knowledge of floristic composition and diversity, ecology and distribution of plant communities (Sarker *et al.* 2013). Unfortunately, there is limited knowledge about the remnant primary forests and Lathitila Forest is one of the ecologically unexplored natural forest of the country.

Lathitila Forest is a biodiversity-rich primary forest and represents both evergreen and deciduous vegetations. It is an inaccessible forest situated along the Indo-Burma Biodiversity Hotspot (Myers *et al.* 2000; Sarwar and Araki 2010). Previously it was a part of Hararganj reserve

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forest, now a remnant natural forest of the Patharia Hill Reserve. Geographically it is situated in the North-Eastern part of the country under Juri Upazila of Moulvibazar district. It is a beat under Juri forest range, lies between $24^{\circ}32'15''$ - $24^{\circ}35'45''$ N and $92^{\circ}11'00''$ - $92^{\circ}46'30''$ E (Fig. 1). The forest is bounded by India on the East, Kulaura Upazila on the South, Golabganj and Beanibazar Upazillas on the North, Kulaura and Fenchuganj Upazilas on the West. This forest area consists of 5,631.40 acres' land and divided into two blocks, one of them is Surmachhara block (3404.20 acres) called Surmachhara Bans Mohal and other is Holompachhara block (2227.20 acres) called Holompachhara Bans Mohal.

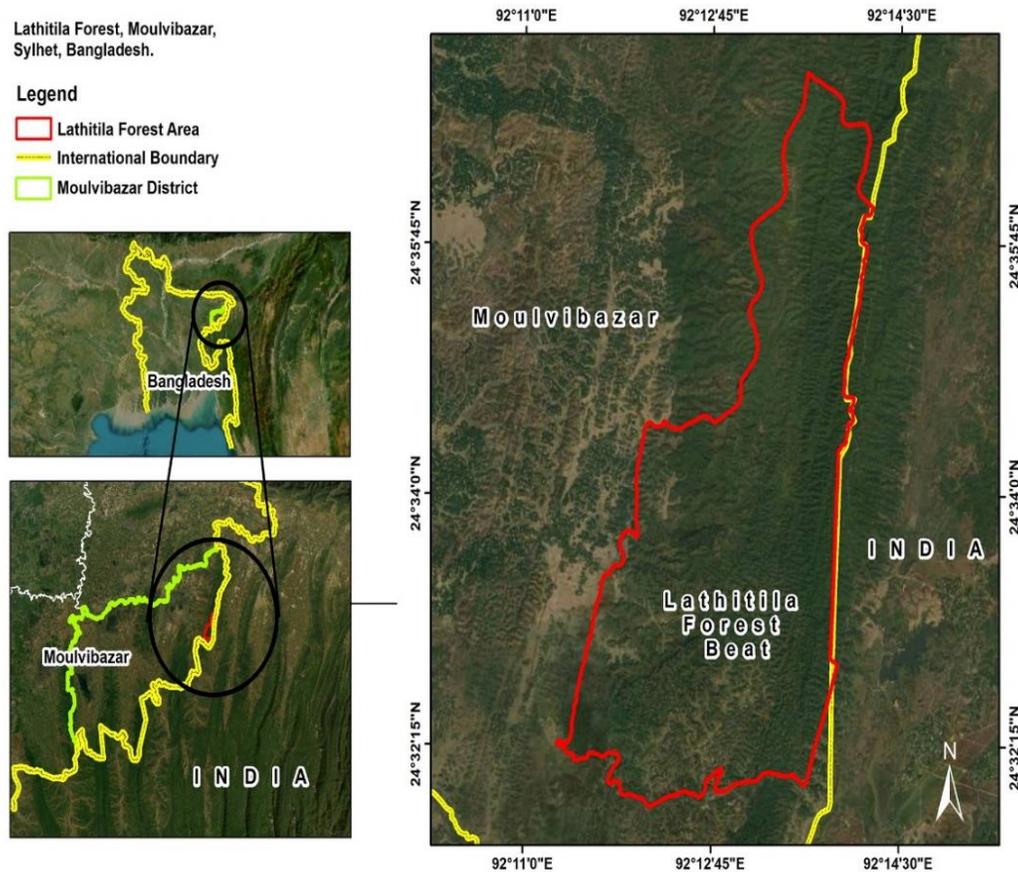


Fig. 1. Geographical position of Lathitila Forest Beat.

The topography of the area varies from medium to steep slopes with undulating valleys and streams and hillocks of different elevations (10-100 m above the sea level) (Fig. 2). The hilly areas of LF are composed of upper tertiary rocks; sediments are generally well weathered and limestone is also found at high elevations, sometimes cemented with secondary ironstones (Islam *et al.* 2008). The soils of the area varies from clay to sandy-loamy with low pH value. The soil texture consists of yellowish to dark gray granules. This area enjoys a moist tropical climate characterized by a period of high precipitation from April to September (3800-5220 mm) and relatively dry period from November to March (10-32 mm) with an average annual precipitation is 3334 mm.

April to August are the warmest months with maximum 33.2 °C temperature, where as December to January are the coolest months with minimum 13.6°C temperature (Ibrahim *et al.*, 2012). Relative humidity remains high (74-89%) from May to October and it remains below 70 % from November to April (BMD 2021).

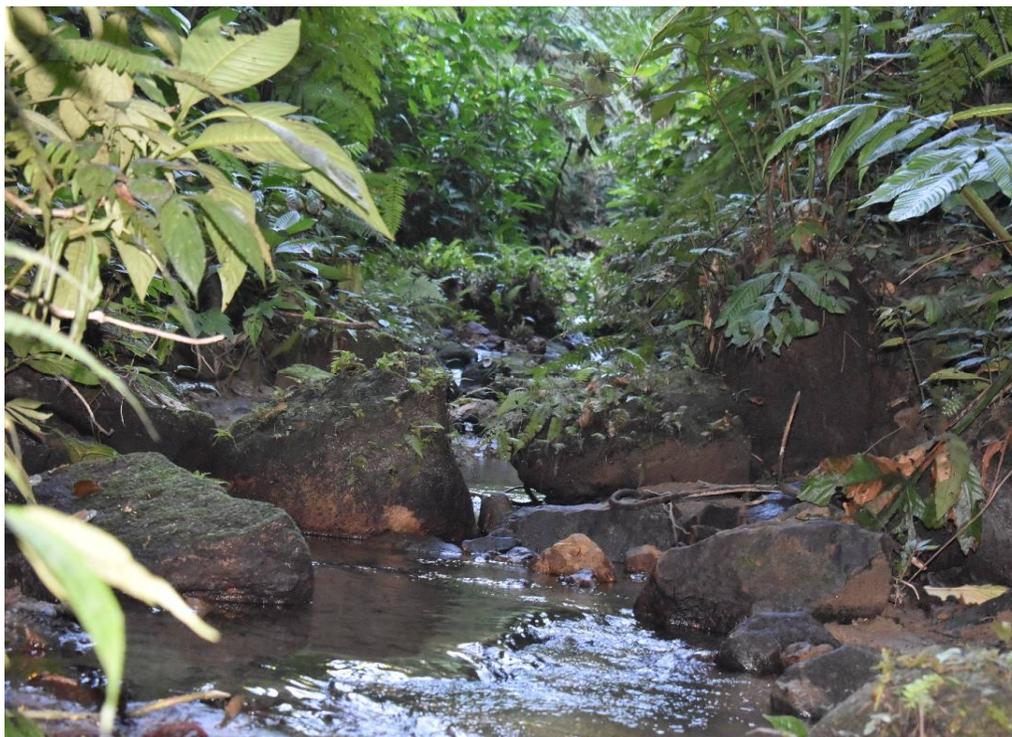


Fig. 2. Natural spring (*chhara*) vegetation of Lathitila Forest Beat.

In British India extensive floristic exploration has been initiated by Hooker (1872-1897). Afterward, Kanjilal *et al.* (1934-1940) and Bor (1940) conducted floristic survey in this area including some areas of Sylhet region. Later on, a number of sporadic inventories have been conducted in different areas of greater Sylhet district viz. Ahmed (1970), Alam (1988), Mia and Huq (1988), Uddin *et al.* (2002 & 2003), Choudhury (2003), IUCN (2004), Uddin and Hassan (2004, 2010 & 2011), Arefin *et al.* (2011), Mohammed *et al.* (2011), Sobuj and Rahman (2011), Rahman *et al.* (2011), Uddin *et al.*, 2011, Sarker *et al.* (2016), Uddin (2015), Haque *et al.* (2016 & 2018), Rahman *et al.* (2018), Limon (2021), Mahfuz and Dey (2021), Rahman *et al.* (2021), Islam *et al.* (2022), and Sultana *et al.* (2022). However, Dhar and Sarker (2022) identified 60 tree species of 29 families to assess the tree communities and their aggregation in different habitats of Sagarnal and Ragna beat of Lathitila Forest. Sarker *et al.* (2014) reported 146 vascular plant species belonging 122 genera under 66 families and assessed the relationships between vegetation and environmental factors in the area. Moreover, Uddin *et al.* (2015) discovered three new angiosperm record from Juri Forest. However, none of any study has been conducted focusing only Lathitila Forest Beat and complete floristic composition of this natural forests still remain unexplored. Therefore, as a part of regular activity, the authors have taken a program to conduct a systematic

floristic survey of the LF area. The purpose of the survey was to gather data on the floristic and ecological diversity, provide the first comprehensive and detailed checklist of vascular plant species, to know the various uses of plants, to determine the state of occurrence, and to collect and preserve the voucher herbarium sheets for future reference. This floristic survey will generate baseline information, which can be used by the Forest Department for the management and conservation of Lathitila Forest biodiversity.

Materials and Methods

In order to investigate vascular flora, repeated field surveys have been accomplished during different seasons from the year 2014 to 2022 throughout the study area. The botanical survey and plant specimens collection was done following walk through method along the existing forest trails, homestead, roads and surrounding areas, hill top and hilly slopes areas and springs (*chhara*) areas (Fig. 2). Most of the forest areas were visited and collected plant specimens with flowering and/or fruiting condition along with relevant field information *viz.* plant specimen's photographs, locality, bengoli name, habitat, habit, uses and any other significant characteristics of each plant species were recorded. A field note was also prepared with necessary taxonomical and ecological information for collected specimens during the field survey. About 1,240 voucher specimens were collected from this study area. Herbarium sheets were prepared following standard herbarium methods and stored at DACB (*viz.* Bridson and Forman, 1989; Singh and Subramaniam, 2008).

Taxonomic identification of the collected specimens has been completed through consulting taxonomic descriptions and keys available in the authentic literatures *viz.* Hooker (1872-1897), Kurz (1877), Alam (1988), Prain (1903a & b), Kanjilal *et al.* (1934-1940), Wu *et al.* (1995-2013), Das and Alam (2001), Ahmed *et al.* (2008a, b, c & d; 2009a & b), Siddiqui *et al.* (2007a & b), Uddin and Hasan (2018), 'Flora of Bangladesh' series, and by matching with the respective voucher specimens of DACB and online herbarium specimen. Nomenclatural information was verified following Wu *et al.* (1995-2013) and the nomenclatural databases of IPNI (2008), TROPICOS (2010) and The Plant List (2013). Bangla name, ethnobotanical information was collected by group discussion with local people during field works and consulting relevant literatures *viz.* Alam (1998), Ahmed *et al.* (2008a, b, c & d; 2009a & b), Siddiqui *et al.* (2007a & b), Yusuf (2009), Hasan *et al.* (2014), Huq (2019), Uddin (2006) and Annon (2022).

Species were placed under the family following the classification systems of Cronquist (1981) in case of Angiosperms, on the other hand Kramer & Green (1990) classification systems followed for Gymnosperms and Pteridophytes. In the taxonomic enumeration families and genus & species under each family were arranged alphabetically. Each taxon furnished with valid scientific name with original citation, well-known synonym (if any), family name, bangla name (if any), habit, uses/s (if any), phenology, state of occurrence and one representative specimen number (if collected).

All the plant species found in the study area has been classified into four categories based on their state of occurrence. Such as, species occurs in 1-4 localities stated as 'rare', species occurs in 5-24 localities stated as 'occasional', species occurs in 25-100 localities stated as 'common', and species occurs in more than 100 localities stated as 'very common'.

Result and Discussion

Name and information of the 524 plant species recorded from the Lathitila Forest from the study are given in the Table 1.

Table 1. The list of vascular plant taxa recorded from Lathitila Forest.

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
PTERIDOPHYTES							
1. BLECHNACEAE (Presl) Copel.							
1	<i>Blechnum orientale</i> L.	Prachha fern	H	-	Md	Vc	KKI-5226
2	<i>Stenochlaena palustris</i> Bedd.	Lata Dhekia	C	-	Vg	Cm	KKI-5272
2. CYATHEACEAE Kaulf							
3	<i>Cyathea gigantea</i> Holttum	Gach Dhekia	T	-	Md	Vc	KKI-5269
3. DENNSTAEDTIACEAE Losty							
4	<i>Lindsaea ensifolia</i> Sw.	Bon Dhekia	H	-	-	Oc	KKI-5410
5	<i>Microlepia speluncae</i> Moore	Fita Dhekia	H	-	Vg	Oc	KKI-5234
4. DRYOPTERIDACEAE Alson							
6	<i>Diplazium esculentum</i> (Retz.) Sw.	Dhekia	H	-	Vg	Vc	KKI-5390
7	<i>Diplazium polypodioides</i> Blume	Dhekia	H	-	-	Cm	KKI-5281
8	<i>Tectaria chattagrammica</i> Ching	Dhekia	H	-	-	Ra	KKI-5169
9	<i>Tectaria decurrens</i> Copel.	Dhakia	H	-	-	Cm	KKI-5490
10	<i>Tectaria heterosora</i> Ching	Dhekia	H	-	-	Ra	KKI-5179
11	<i>Tectaria impressa</i> (Fée) Holttum Syn. <i>Tectaria variolosa</i> Chr.	Dhekia	H	-	-	Oc	KKI-5084
12	<i>Tectaria vasta</i> (Blume) Copel.	Bandortola	H	-	-	Vc	KKI-319
5. GLEICHENIACEAE C.Presl							
13	<i>Dicranopteris linearis</i> Underw.	Lomba Dhekia	H	-	-	Oc	KKI-5204
6. Lomariopsidaceae							
14	<i>Bolbitis costata</i> (C.Presl) Ching	Kosta bolbi	H	Jul-Jan	-	Oc	KKI-5500
7. LYCOPODIACEAE Beauv.							
15	<i>Huperzia carinata</i> (Desv.) Threv.	-	H	Dec-Feb	-	Ra	EHK-293
16	<i>Lycopodiella cernua</i> (L.) Pic. Serm.	-	H	-	Md	Cm	KKI-5273
8. MARATTIACEAE Peterson							
17	<i>Angiopteris evecta</i> Hoffm.	Dhekia shak	H	-	-	Vc	KKI-5182
18	<i>Angiopteris sylhetensis</i> de Vriese	Dhekia shak	H	-	-	Oc	KKI-5391
9. OPHIOGLOSSACEAE (R.Br.) Agardh							
19	<i>Helminthostachys zeylanica</i> (L.) Hook.	Shada Dhekia	H	-	Fb	Oc	KKI-5362
10. POLYPODIACEAE J.Presl & C.Presl							
20	<i>Colysis pedunculata</i> Ching	-	H	-	-	Oc	KKI-5154
21	<i>Drymoglossum piloselloides</i> Presl (Plate 2.f)	Pasha Dhekia	C	-	-	Cm	KKI-5351
22	<i>Drynaria quercifolia</i> (L.) J. Sm.	Pankhiraj	H	-	Md	Cm	NC
23	<i>Pyrrosia lanceolata</i> (L.) Farw.	Lance fern	H	-	-	Cm	KKI-5110
24	<i>Sphenomeris chinensis</i> Maxon	Bagan Dhekia	H	-	-	Oc	KKI-5263
11. PTERIDACEAE E.D.M.Kirchn.							
25	<i>Adiantum lunulatum</i> Burm. Syn. <i>Adiantum philippense</i> L.	Biddapata	H	-	Or	Cm	KKI-5317
26	<i>Pityrogramma calomelanos</i> Link	Pita rupali fern	H	-	Or	Vc	KKI-5216
27	<i>Pteris pseudopellucida</i> Ching	Dhekia	H	-	-	Ra	KKI-5475
28	<i>Pteris quadriaurita</i> Retz.	Dhekia	H	-	-	Oc	KKI-5208
29	<i>Pteris semipinnata</i> L.	Dhekia	H	-	-	Ra	KKI-5225
30	<i>Pteris vittata</i> L.	Sun fern	H	-	-	Vc	KKI-5053

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
12. SCHIZAEACEAE Kauf.							
31	<i>Lygodium flexuosum</i> Sw.	Lata Dehkia	C	-	-	Vc	N-5673
32	<i>Lygodium giganteum</i> Tagawa	Lata Dhekia	C	-	-	Vc	KKI-5445
33	<i>Lygodium microphyllum</i> R.Br.	Lata Dhekia	C	-	Vg	Ra	KKI-5234
13. SELAGINELLACEAE Wilk.							
34	<i>Sellaginella inaequalifolia</i> Hook.	-	H	-	Or	Oc	KKI-370
35	<i>Selaginella repanda</i> Spring	Selaginella	H	-	Or	Cm	EHK-342
14. THELYPTERIDACEAE Ching							
36	<i>Ampelopteris prolifera</i> Copel.	Agacha dhekia	H	-	-	Oc	KKI-5202
37	<i>Christella dentata</i> Brownsey	Bish dekia	H	-	-	Ra	KKI-5095
38	<i>Pronephrium nudatum</i> Holttum	Dhedia	H	-	-	Cm	KKI-5366
GYMNOSPERMS							
15. GNETACEAE Lindl.							
39	<i>Gnetum montanum</i> Markgr.	Montanetum	C	Apr-Oct	-	Cm	KKI-701
ANGIOSPERMS							
16. ACANTHACEAE Juss.							
40	<i>Asystasiella neesiana</i> Lindau	-	H	Jul-Jan	-	Ra	KKI-5187
41	<i>Eranthemum album</i> Nees	Muralipata	S	Mar-July	-	Oc	KKI-680
42	<i>Eranthemum strictum</i> Colebr.	Longdrema	H	Jan-May	-	Oc	KKI-5405
43	<i>Hygrophila salicifolia</i> (Vahl) Nees	Kaknasha	H	Aug-Feb	-	Cm	KKI-5145
44	<i>Justicia adhatoda</i> L.	Basok	H	Jan-Apr	-	Cm	KKI-5148
45	<i>Lepidagathis incurva</i> Buch.-Ham.	Dudha nibith	H	Mar-May	-	Oc	KKI-5268
46	<i>Nelsonia canescens</i> Lam.	Paramul	H	Oct-Feb	-	Vc	KKI-5514
47	<i>Phaulopsis imbricata</i> Forssk.	Mring meda	H	Nov-Mar	-	Cm	KKI-5076
48	<i>Phlogacanthus thyriformis</i> Roxb.	Rambasak	S	Dec-Feb	Vg	Oc	KKI-5489
49	<i>Pseuderanthemum album</i> Radlk.	Murapata	S	Jan-Apr	-	Oc	KKI-680
50	<i>Rungia pectinata</i> (L.) Nees	Pindi	H	Nov-May	-	Vc	KKI-5081
51	<i>Staurogyne simonsii</i> Kuntze (Plate 5.a)	Simon	S	Aug-Oct	-	Ra	N-5619
52	<i>Staurogyne argentea</i> Wall.	Chongralez	H	Aug-Feb	-	Cm	KKI-5462
17. ACTINIDIACEAE Hutch.							
53	<i>Saurauia roxburghii</i> Wall.	Dalup	T	Jan-Dec	Fw	Vc	KKI-354
18. AGAVACEAE Endl.							
54	<i>Dracaena angustifolia</i> Medik.	Drassena	S	Mar-Aug	Or	Cm	KKI-340
55	<i>Dracaena spicata</i> Roxb.	Drassena	S	Jan-Dec	Or	Cm	KKI-675
19. ALANGIACEAE DC.							
56	<i>Alangium chinense</i> Lour.	Marleza	S	May-Nov	-	Oc	KKI-5328
20. ALISMACEAE Vent.							
57	<i>Sagittaria sagittifolia</i> L.	Chhotokut	H	-	-	Oc	KKI-340
21. AMARANTHACEAE Juss.							
58	<i>Alternanthera sessilis</i> L.	Senchi	H	Jan-Dec	Vg	Vc	KKI-5515
59	<i>Amaranthus spinosus</i> L.	Khuirakhata	H	Jul-Nov	-	Cm	KKI-5339
60	<i>Celosia argentea</i> L.	Murog phul	H	Sep-Jan	Or	Cm	KKI-172
61	<i>Cyathula prostrata</i> (L.) Blume	Shyontula	H	Sep-Nov	-	Vc	KKI-5134
22. ANACARDIACEAE R.Br.							
62	<i>Lannea coromandelica</i> Houltt	Jiga	T	Feb-June	Fw	Vc	KKI-5516

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
63	<i>Mangifera indica</i> L.	Amm	T	Jan-June	Fr	Vc	KKI 5517
64	<i>Spondias pinnata</i> L. f.	Bon amra	T	Mar-Oct	Ws	Cm	KKI5141
23. ANCISTROCLADACEAE Walpers							
65	<i>Ancistrocladus tectorius</i> Lour.	Hook gachh	T	Apr-June	FW	Ra	KKI-686
66	<i>Ancistrocladus wallichii</i> Planch.	Hook gachh	S	-	-	Ra	KKI-5244
24. ANNONACEAE Juss.							
67	<i>Anaxagorea luzonensis</i> A.Gray	-	S	June-Jan	FW	Oc	KKI-5295
68	<i>Dasymaschalon longiflorum</i> Roxb. Syn. <i>Desmos longiflorus</i> Roxb.	Kulla	T	Oct-Apl	-	Vc	KKI-5196
69	<i>Desmos chinensis</i> L.	Yalang	T	Apr-Dec	-	Cm	KKI-184
70	<i>Fissistigma bicolor</i> (Roxb.) Merr.	Hed-Bheduli	C	Apr-Aug	-	Oc	EHK-299
71	<i>Fissistigma polyanthum</i> Hook.f.	Thum bhaduli	C	Apr-June	-	Oc	KKI-712
72	<i>Goniothalamus sesquipedalis</i> Wall.	Gonithal	T	Nov-Jan	-	Cm	KKI-314
73	<i>Sageraea listeri</i> King	Dhaman	T	Apr-Dec	-	Oc	KKI-682
25. APIACEAE Lindl.							
74	<i>Centella asiatica</i> (L.) Urb.	Thankuni	H	Mar-Dec	Md	Vc	EHK-339
75	<i>Hydrocotyle sibthorpioides</i> Lam.	Kuti thankuni	H	Jan-Dec	Md	Oc	NC
76	<i>Oenanthe javanica</i> (Blume) DC.	Pan-turasi	H	June-Sep	Md	Cm	KKI-5518
26. APOCYNACEAE Juss.							
77	<i>Alstonia scholaris</i> (L.) R.Br.	Chhatim	T	June-Dec		Cm	KKI-5112
78	<i>Holarrhena antidysenterica</i> L.	Kurchi	T	Apr-Jan	Md	Oc	KKI-5082
79	<i>Ichnocarpus frutescens</i> R.Br.	Shyamalata	C	Apr-Dec	Md	Oc	KKI-5386
80	<i>Rauvolfia tetraphylla</i> L.	Sarpagandha	H	Apr-July	Md	Ra	KKI-5502
81	<i>Tabernaemontana corymbosa</i> Roxb.	Bon tagor	H	Apr-Jan	Or	Cm	KKI-211
82	<i>Tabernaemontana divaricata</i> L. R.Br.	Togor	S	May-Jan	Or	Cm	KKI-5090
83	<i>Thunbergia grandiflora</i> Roxb.	Nillata	C	Nov-Jan	-	Vc	KKI-5521
84	<i>Wrightia arborea</i> Dennst.	Dudhi	T	May-Jan	Or	Oc	KKI-5523
85	<i>Wrightia coccinea</i> (Roxb.) Sims. (Plate 4.f)	Pallam	T	May-Jan	Fw	Oc	KKI-149
27. ARACEAE Juss.							
86	<i>Aglaonema hookerianum</i> Schott	Harina sak	H	May-Oct	Fw	Vc	KKI-688
87	<i>Alocasia acuminata</i> Schott	Kachu	H	May-Aug	-	Vc	KKI-5519
88	<i>Alocasia macrorrhizos</i> L.	Mankochu	H	May-Jan	Vg	Cm	KKI-5520
89	<i>Caladium bicolor</i> (Aiton) Vent.	Diranga kachu	H	Nov-Jan	Or	Oc	KKI-5522
90	<i>Colocasia esculenta</i> Schott	Mukhikachu	H	May-Oct	Vg	Vc	KKI-5524
91	<i>Colocasia mannii</i> Hook.f.	Manikachu	H	Jan-Sep	-	Cm	NC
92	<i>Homalomena pendula</i> Blume	Ghondodula kachu	H	May-Sep	-	Oc	KKI-5250
93	<i>Lasia spinosa</i> (L.) Thwaites	Kanta-kachu	H	Jan-Nov	Vg	Cm	KKI-5129
94	<i>Pothos chinensis</i> (Raf.) Merr.	Chinalata	C	Jan-Dec	-	Oc	KKI-5307
95	<i>Pothos scandens</i> L.	Sunat	C	Jan-Dec	-	Oc	KKI-5525
96	<i>Rhaphidophora decursiva</i> Roxb. R Syn. <i>Rhaphidophora grandis</i> Schott	-	C	Mar-Oct	-	Oc	KKI-5435
97	<i>Stuednera colocacifolia</i> Koch	Ekdaijja-kachu	H	Apr-May	-	Vc	KKI-5184
98	<i>Stuednera colocasiodes</i> Hook.f.	Ekdejja kachu	H	Apr-Sep	-	Vc	KKI-5468
99	<i>Stuednera discolor</i> W.Bull (Plate 4.b)	Bahari-kachu	H	May-Aug	Or	Oc	KKI-330

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
100	Typhonium flagelliforme Blume	Ghechu	H	Apr-Oct	-	Ra	KKI-144
101	Typhonium roxburghii Schott	Rox kachu	H	Apl-Aug	-	Oc	KKI-5431
102	Typhonium trilobatum Schott	Ghekul	H	Apl-Oct	Vg	Oc	KKI-5312
28. ARALIACEAE Juss.							
103	Brassaiopsis glomerulata Regel (Plate 1.e)	Kurila	T	Feb-Dec	Fw	Oc	KKI-5421
104	Macropanax undulatus Wall.	Dula kesuri	T	Aug-Feb	Fw	Oc	KKI-670
105	Schefflera elliptica Harms	Dahina Kath.	S	Jan-Sep	Fw	Cm	KKI-327
29. ARECACEAE Schultz-Schultzen							
106	Areca catechu L.	Supari	T	Mar-Sep	Fr	Vc	KKI-5526
107	Calamus tenuis Roxb.	Bet	C	Jul-Apr	Tb	Vc	KKI-5527
108	Calamus viminalis Willd.	Gulabet	C	Jan-Dec	Tb	Vc	KKI-5448
109	Licuala peltata Roxb.	Kurud	T	Sep-May	-	Oc	KKI-5457
110	Pinanga gracilis Blume	Ramgua	S	Jun-Jan	Fw	Oc	KKI-712
111	Wallichia densiflora Mart.	Sail	T	Apl-May	-	Cm	KKI-5499
30. ARISTOLOCHACEAE Juss.							
112	Aristolochia indica L.	Isharmul	C	Aug-Nov	Md	Oc	KKI-5528
113	Aristolochia tagala Cham.	Iswaramul	C	Apr-Jan	-	Vc	KKI-352
114	Thottea tomentosa Ding Hou	Matia phul	S	Nov-Dec	-	Cm	KKI-5370
31. ASCLEPIADACEAE Juss.							
115	Dischidia bengalensis Colebr.	Pararuha	C	Apr-Dec	Or	Oc	KKI-5552
116	Dischidia major (Vahl) Merr. (Plate 2.e)	Majrula	C	Apr-Aug	Or	Oc	KKI-5407
117	Hoya parasitica Wall.	Pargacha	C	May-Oct	Or	Vc	KKI-5353
32. ASTERACEAE Martinow							
118	Ageratum conyzoides (L.) L.	Ochunti	H	Nov-June	-	Vc	KKI-5139
119	Blumea lanceolaria (Roxb.) Druce	Barotara	H	Nov-Mar	-	Oc	NC
120	Blumea lacera (Burm.f.) DC.	Barokushim	H	Nov-Jul	-	Vc	KKI-732
121	Chromolaena odorata L.	Assam-lata	H	Nov-May	Md	Vc	KKI-5155
122	Conyza floribunda Kunth	Conyza	H	Sep-Feb	-	Vc	KKI-194
123	Crassocephalum crepidioides Benth.	Dubbei shak	H	Sep-May	-	Cm	KKI-146
124	Eclipta prostrata L.	Kesaraj	H	Jan-Dec	Md	Vc	KKI-175
125	Elephantopus scaber L.	Shamdala	H	Nov-Mar	-	Vc	KKI-5509
126	Mikania scandens (L.) Willd.	Assamlata	C	Oct-Feb	Md	Vc	KKI-5400
127	Sphagneticola calendulacea (L.) Pruski <i>Wedelia chinensis</i> (Osbeck) Merr.	Bhimraj	H	Feb-Aug	Md	Oc	NC
128	Sphagneticola trilobata (L.) Pruski Syn. <i>Wedelia trilobata</i> A.S. Hitchc.	Tinkona daisy	H	Mar-Aug	-	Vc	KKI-5068
129	Spilanthes calva DC.	Marhata Tiga	H	Jan-Dec	Md	Vc	KKI-5210
130	Synedrella nodiflora (L.) Gaertn.	Nakphul	H	Jan-Dec	-	Vc	KKI-5511
33. BALSAMINACEAE Richard							
131	Impatiens balsamina L.	Dopati	H	Mar-Oct	Or	Vc	KKI-375
34. BEGONIACEAE Agardh.							
132	Begonia annulata K.Koch; <i>Begonia barbata</i> Wall.	Ganibata	H	Jun-Oct	Or	Cm	EHK-262

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
133	<i>Begonia grandis</i> Dryand.	-	H	Jul-Aug	Tb	Cm	KKI-5408
134	<i>Begonia roxburghii</i> (Miq.) DC.	Gonirakto	H	Jul-Aug	Or	Cm	N-5627
135	<i>Begonia rex</i> Putz.	Lalmukta begonia	H	Jul-Sep	Or	Vc	KKI-299
136	<i>Begonia silhetensis</i> DC. (Plate 1.e)	Sileti begonia	H	Mar-Sep	-	Vc	KKI-5299
35. BIGNONIACEAE Juss.							
137	<i>Crescentia cujete</i> L.	Paglabel	T	Mar-Nov	Or	Ra	KKI-5147
138	<i>Oroxylum indicum</i> (L.) Kurz	Kanaidingi	T	Jun-mar	Vg	Vc	KKI-000
139	<i>Stereospermum tetragonum</i> DC.	Dharmara	T	Apr-Nov	Ws	Cm	KKI-337
36. BOMBACACEAE Kuth							
140	<i>Bombax insigne</i> Wall.	Pahari shimul	T	Nov-Mar	Fb	Ra	NC
37. BROMELIACEAE Juss.							
141	<i>Ananas comosus</i> (L.) Merr.	Anaros	H	Feb-Jul	Fr	Pl	KKI-5529
38. CAESALPINIACEAE R.Br.							
142	<i>Caesalpinia cucullata</i> Roxb.	-	S	Jan-Mar	-	Cm	KKI-5308
143	<i>Cynometra ramiflora</i> L.	Singra	T	Feb-Jun	-	Oc	KKI-5191
144	<i>Saraca asoca</i> (Roxb.) Willd.	Ashok	T	Feb-Sep	Md	Vc	KKI-151
145	<i>Senna siamea</i> (Lam.) H.S.Irwin	Minjiri	T	Jan-Dec	-	Vc	KKI-5530
146	<i>Senna tora</i> (L.) Roxb.	Araj	S	Jun-Dec	-	Vc	EHK-329
39. CAMPANULACEAE Juss.							
147	<i>Lobelia alsinoides</i> Lam.	Chauric Arek	H	Jan-Dec	-	Cm	EHK-335
148	<i>Lobelia zeylanica</i> L.	Anica lobel	H	Jan-Dec	-	Cm	KKI-716
40. CAPPARACEAE Juss.							
149	<i>Cleome gynandra</i> L.	Arkahuli	H	Jan-Dec	-	Cm	KKI-5510
150	<i>Cleome houtteana</i> Schltld.	Jharna Phul	H	Jan-Dec	-	Vc	EHK-306
151	<i>Cleome ruidosperma</i> DC.	Pani morich	H	Jan-Dec	-	Vc	KKI-174
152	<i>Cleome viscosa</i> L.	Hurhuria	H	Jan-Dec	-	Vc	KKI-148
41. CELASTRACEAE R.Rr.							
153	<i>Bhesa robusta</i> Ding Hou	Sikoil	T	Sep-Apr	-	Ra	NC
154	<i>Euonymus glaber</i> Roxb.	Glaber nima	T	Oct-Apr	-	Oc	KKI-308
155	<i>Euonymus laxiflorus</i> Champ.	Laxi nima	T	Mar-Nov	-	Ra	KKI-5288
42. CHLORANTHACEAE R.Br.							
156	<i>Chloranthus elatior</i> Link	-	S	Jan-Dec	-	Oc	KKI-5231
43. CLUSIACEAE Lindl.							
157	<i>Garcinia cowa</i> Roxb.	Kau	T	Feb-Aug	Fr	Vc	EHK-321
158	<i>Mesua ferrea</i> L.	Nagessor	T	Feb-Oct	Or	Pl	KKI-168
44. COMBRETACEAE R.Br.							
159	<i>Terminalia bellerica</i> Roxb.	Bohera	T	Mar-Nov	Md	Pl	N-5681
45. COMMELINACEAE R.Br.							
160	<i>Amischotolype hookeri</i> Hassk.	-	S	Jan-Nov	-	Cm	KKI-691
161	<i>Amischotolype mollissima</i> Blume	Molisima	S	Jan-Dec	-	Cm	KKI-341
162	<i>Floscopa scandens</i> Lour.	Hangsapadi	H	Sep-Mar	-	Cm	KKI-5178
163	<i>Pollia secundiflora</i> Bakh.f.	Kansipili	H	Jun-Aug	-	Oc	KKI-5436
46. CONVULVACEAE Juss.							
164	<i>Argyrea capitiformis</i> Ooststr.	Doitta loti	C	Nov-Mar	Or	Cm	KKI-5365
165	<i>Argyrea nervosa</i> Bojer	Bara dudhi	C	May-Dec	Or	Cm	KKI-329

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166	<i>Ipomoea pileata</i> Roxb.	Paila kalmi	C	Oct-Jan	-	Oc	KKI-5413
167	<i>Merremia umbellata</i> Hallier f.	Sada kalmi	C	Feb-May	-	Vc	KKI-693
47. COSTACEAE Nakai							
168	<i>Cheilocostus speciosus</i> Specht Syn. <i>Costus speciosus</i> (J.Koenig) Sm.	Keumool	H	Aug-Dec	Md	Cm	EHK-295
48. CUCURBITACEAE Juss.							
169	<i>Coccinia grandis</i> (L.) Voigt	Telakucha	C	Mar-Dec	Md	Vc	KKI-5531
170	<i>Momordica cochinchinensis</i> Spreng.	Bon kakrol	C	Jul-Nov	Md	Ra	KKI-5319
171	<i>Mukia maderaspatana</i> M.Roem.	Agmukhi	C	Jun-Dec	-	Cm	KKI-5212
172	<i>Solena amplexicaulis</i> Gandhi	Rakhal	C	Apr-Sep.	-	Oc	KKI-5480
173	<i>Trichosanthes tricuspidata</i> Lour.	Makal	C	Jul-Dec	Md	Cm	KKI-292
49. CYPERACEAE Juss.							
174	<i>Cyperus diffusus</i> Vahl	Bethua	H	Jun-Sep	-	Cm	KKI-5243
175	<i>Hypolytrum nemorum</i> Spreng	-	H	Aug-Apr	-	Oc	KKI-5120
176	<i>Pycnus stramineus</i> Clarke	-	H		-	Oc	KKI-5305
177	<i>Rhynchospora corymbosa</i> Britton	Malighas	H	Mar-Dec	-	Cm	KKI-5309
178	<i>Schoenoplectus articulatus</i> Palla	Putputi	H	May-Jul	-	Cm	KKI-5311
179	<i>Scleria terrestris</i> (L.) Fassett	Dharpat	H	Mar-Aug	-	Cm	KKI-5271
50. DATISCEAE Lindl.							
180	<i>Tetrameles nudiflora</i> R.Br.	Taru	H	Feb.-May	Tb	Oc	NC
51. DICHAPETALACEAE Bailon							
181	<i>Dichapetalum gelonioides</i> Engl.	Moacurra	S	June-Dec	-	Oc	KKI-5160
52. DILLENACEAE Salisb.							
182	<i>Dillenia indica</i> L.	Chalta	T	May-Feb	Vg	Vc	NC
183	<i>Dillenia pentagyna</i> Roxb.	Banchalta	T	Jan-June	Or	Cm	NC
53. DIOSCOREACEAE R.Br.							
184	<i>Dioscorea glabra</i> Roxb	Banalu	C	Dec-Jan	-	Vc	KKI-308
185	<i>Dioscorea hamiltonii</i> Hook.f.	Miltoni alu	C	Sep-Dec	-	Vc	KKI-5138
186	<i>Dioscorea oppositifolia</i> L.	Cheena alu	C	Aug-Dec	-	Vc	N-5661
187	<i>Dioscorea pentaphylla</i> L.	Jumalu	C	June-Dec	-	Cm	KKI-5327
54. DIPTEROCARPACEAE Blume							
188	<i>Dipterocarpus turbinatus</i> Gaertn	Teli gorjon	T	Mar-Jun	Tb	Pl	NC
55. ELAEOCARPACEAE Juss.							
189	<i>Elaeocarpus floribundus</i> Blume	Jalpai	T	Mar-Dec	Oi	Pl	KKI-5340
56. EUPHORBIACEAE Juss.							
190	<i>Acalypha indica</i> L.	Muktajhuri	H	Dec-Apr	Md	Cm	KKI-5503
191	<i>Actephila excelsa</i> Müll.Arg.	Achamasi	S	Apr-Oct	-	Vc	KKI-5230
192	<i>Alchornea mollis</i> Müll.Arg.	-	S	Apr-Aug	-	Oc	KKI-5508
193	<i>Antidesma bunius</i> (L.) Spreng.	Banshial	S	Jan-Aug	-	Cm	KKI-315
194	<i>Antidesma montanum</i> Blume	Shialbuka	T	May-Aug	Fw	Cm	KKI-297
195	<i>Antidesma velutinosum</i> Blume Syn. <i>Antidesma roxburghii</i> Wall.	Ikmoi bang	S	-	-	Oc	KKI-5175
196	<i>Aporosa aurea</i> Hook. f.	Kechuan	T	Oct-Feb	Fw	Cm	KKI-668
197	<i>Aporosa wallichii</i> Hook.f.	Kokra	T	Feb-June	Fw	Oc	KKI-208
198	<i>Aporosa dioica</i> (Roxb.) Müll.Arg.	Kharolla	T	Dec-Apr	Fw	Oc	KKI-668
199	<i>Baccaurea ramiflora</i> Lour.	Lotkon	T	Jun-Sep	Fw	Oc	KKI-710

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200	Bischofia javanica Blume	Kanjalbhadhi	T	Apr-Oct	-	Oc	KKI-5364
201	Balakata baccata Esser Syn. <i>Sapium baccatum</i> Roxb.	Boloch	T	Apr-Oct	Fw	Cm	KKI-5091
202	Breynia retusa (Dennst.) Alston	Silpati	S	Jan-Dec	-	Cm	KKI-121
203	Breynia vitis-idaea Fisch.	Breyina	S	Mar-Dec	-	Cm	KKI-218
204	Bridelia ferruginea Benth.	-	T	June-Nov	Fr	Ra	KKI-543
205	Bridelia tomentosa Blume	Khoi	T	Sep-Jan	-	Oc	KKI-5079
206	Chaetocarpus castanocarpus Thw. (Plate 4.a)	Dhala kakra	T	Nov-Apr	Fw	Cm	KKI-5116
207	Croton bonplandianus Baill.	Bondhone	S	Apr-Sep	-	Vc	KKI-662
208	Euphorbia thymifolia L.	Rangchita	H	Mar-June	-	Vc	KKI-5532
209	Flueggea virosa (Roxb.) Royle	Shikori	S	Apr-Aug	-	Ra	KKI-5069
210	Glochidion acuminatum Müll.-Arg.	Shrub	T	Mar-July	-	Cm	KKI-714
211	Glochidion zeylanicum Juss.	Shrub	T	Jun-Nov	-	Cm	KKI-725
212	Hevea brasiliensis Müll.Arg.	Rubbar	T	May-Sep	Ru	Pl	KKI-5051
213	Macaranga denticulata Muell.-Arg.	Bura	T	Feb-July	Fw	Vc	NC
214	Macaranga peltata Muell.-Arg.	Deshibura	T	Feb-Aug	Fw	Vc	NC
215	Macaranga indica Wight	Deshibura	T	Aug-Nov	Fr	Vc	KKI-198
216	Mallotus nudiflorus (L.) Kulju & Welzen	Pithali	T	Jan-Dec	Fw	Vc	KKI-5533
217	Mallotus paniculatus Müll.Arg.	-	T		-	Oc	KKI-5071
218	Mallotus repandus Muell.-Arg.	Gunte	S	Dec-Apr	Fw	Cm	KKI-5318
219	Mallotus roxburghianus Muell.-Arg. (Plate 3.b)	Chhotabura	S	Apr-Sep	Fw	Oc	KKI-353
220	Phyllanthus emblica L.	Amloki	T	Mar-Sep	Md	Pl	KKI-5534
221	Phyllanthus niruri L.	Bhuiamla	H	Aug-Oct	-	Cm	N-5622
222	Phyllanthus reticulatus Poir	Chhitki	S	Mar-Oct	Fw	Vc	KKI-212
223	Phyllanthus sikkimensis Müll.Arg.	Sikiamla	S	Feb-Oct	-	Oc	KKI-5418
224	Sauropus trinervis Hook.f. & Thomson (Plate 4.d)	Tinshira	S	June-Nov	-	Oc	KKI 5425
225	Suregada multiflora A.Juss.	Ball guta	T	Feb-Jun	Fw	Cm	KKI-672
226	Trigonostemon semperflorens (Roxb.) Müll.Arg.	Trigmon	S	May-Nov	-	Oc	KKI-5363
57. FABACEAE Lindl.							
227	Abrus precatorius L.	Kutch	C	Jul-Sep	-	Cm	N-5677
228	Bauhinia acuminata L.	Kanchan	T	Aup-Aug	-	Cm	KKI-5512
229	Crotalaria pallida Aiton	Jhun-jhuni	H	May-Dec	-	Vc	EHK-304
230	Dalbergia stipulacea Roxb.	Dadbari	C	Apr-Jan	-	Oc	KKI-5455
231	Dalhousiea bracteata Benth.	Gupuri	C	Nov-Jan	-	Cm	KKI-298
232	Desmodium heterocarpon DC.	Karpomodi	S	Mar-Jul	-	Cm	KKI-5261
233	Flemingia macrophylla Merr.	Bara-salphan	S	Jan-mar	-	Oc	KKI-5345
234	Mucuna bracteata DC.	Wakmi	C	Jan-May	Ps	Cm	N-5683
235	Pueraria phaseoloides Benth.	Katamugi kuch	C	Nov-mar	Ps	Cm	EHK-307
236	Tadehagi triquetrum H.Ohashi Syn. <i>Desmodium triquetrum</i> (L.) DC.	Kanimanda	S	Jun-Dec	-	Cm	KKI-5241
237	Tephrosia candida (Roxb.) DC.	Bilokhoni	S	Aug-Feb	Or	Cm	KKI-5274
238	Uraria lagopodoides (L.) DC.	Chakule	S	Aug-Jan	-	Oc	KKI-5055
239	Vigna pilosa Baker	Malkenia	C	-	-	Cm	KKI-5201

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58. FAGACEAE Dumort							
240	<i>Castanopsis armata</i> Spach	Kanta Batna	T	Oct-Dec	Tb	Oc	N-5664
241	<i>Lithocarpus fenestratus</i> Roxb.	Kala-chukma	T	Sep-May	Tb	Oc	KKI-722
59. FLACOURTIACEAE DC.							
242	<i>Casearia vareca</i> Roxb.	Bon-jhalukia	T	May-Feb	Fw	Vc	KKI-5369
243	<i>Flacourtia jangomas</i> Lour.	Lukluki	S	Mar-Oct	Fr	Cm	KKI-357
244	<i>Flacourtia indica</i> (Burm.f.) Merr.	Beuchi	S	Jan-May	-	Cm	KKI-5321
245	<i>Hydnocarpus kurzii</i> (King) Warb	Chalmugra	T	July-Feb	Md	Cm	KKI-717
60. GESNERIACEAE Dumort							
246	<i>Boeica filiformis</i> Clarke	Bikafin	H	Jul-Nov	-	Cm	KKI-713
247	<i>Rhynchochotum elliptecum</i> DC.	-	S	June-Sep	-	Vc	KKI-5183a
248	<i>Rhynchochotum hookeri</i> Anderson	Hookthutighas	S	-	-	Cm	KKI-5423
249	<i>Stauranthera umbrosa</i> Clarke	Aransata	H	May-Sep	Md	Cm	KKI-334
250	<i>Tetraphyllum bengalense</i> C.B. Clarke (Plate 3.c)	Charfola	H	Jun-Oct	-	Cm	KKI-5289
61. HYDROCHARITACEAE Juss.							
251	<i>Hydrilla verticillata</i> (L.f.) Royle	Jhanjhi	H	May-Oct	-	Oc	KKI-5332
252	<i>Ottelia alismoides</i> (L.) Pers.	Mamakola	H	Jan-Dec	-	Oc	KKI-5482
62. ICACINACEAE Miers							
253	<i>Gomphandra tetrandra</i> Sleum.	Gomphan	T	Mar-Dec	-	Cm	KKI-5283
254	<i>Natsiatum herpeticum</i> Buch.-Ham.	Swarpa nata	C	Dec-Feb	-	Oc	KKI-5374
63. LAMIACEAE Martinov							
255	<i>Anisomeles indica</i> (L.) Kuntze	Gobura	H	Oct-July	Md	Oc	KKI-5070
256	<i>Gomphostemma parviflorum</i> Wall.	Jateri boromala	H	Sep-Aug	-	Ra	KKI-369
257	<i>Hyptis brevipes</i> Poit.	Gol tokma	H	Nov-Jan	-	Vc	KKI-303
258	<i>Hyptis capitata</i> Jacq.	Mastak tulsi	H	Nov-June	-	Vc	KKI-5535
259	<i>Leucas biflora</i> (Vahl) Sm.	Phulidrone	H	Jan-Jul	-	Ra	KKI-5310
260	<i>Leucas zeylanica</i> Aiton	Gatta Tumba	H	May-Oct	Vg	Vc	EHK-330
261	<i>Mosla dianthera</i> Buch.-Ham.	Moshla	H	Oct-June	-	Oc	KKI-5267
262	<i>Pogostemon auricularius</i> (L.) Hassk.	Biral lenza	H	Sep-Jan	-	Oc	KKI-342
263	<i>Pogostemon parviflorus</i> Benth.	-	H	Mar-Jun	-	Cm	KKI-327
64. LAURACEAE Juss.							
264	<i>Actinodaphne gullavara</i> Almeida Syn. <i>Actinodaphne angustifolia</i> Nees	Modanmosta	T	Jun-Dec	Tb	Cm	KKI-5136
265	<i>Cinnamomum bejolghota</i> Sw.	Ram-tejpata	T	Jan-Jul	Fw	Oc	KKI-5513
266	<i>Litsea laeta</i> Hook.f.	Ban-hoalu	T	Nov-Apr	-	Ra	KKI-5132
267	<i>Litsea kurzii</i> King (Plate 1.a)	-	T	-	-	Ra	KKI-302
268	<i>Litsea monopetala</i> (Roxb.) Pers.	Huroira	T	Mar-Nov	Fw	Cm	EKH-201
269	<i>Litsea stocksii</i> Hook.f. (Plate 1.f)	-	T	-	-	Ra	KKI-5132
270	<i>Litsea variabilis</i> Hemsl. (Plate 1.b)	-	T	May-Apr	-	Ra	KKI-5297
271	<i>Neolitsea zeylanica</i> Merr.	-	T	Oct-Apr	-	Oc	KKI-5439
272	<i>Phoebe lanceolata</i> (Nees) Nees	Dulia	T	Apr-Nov	Fw	Ra	KKI-727
65. LEEACEAE Dumort.							
273	<i>Leea alata</i> Edgew.	Danajhongla	S	-	-	Oc	KKI-5295
274	<i>Leea asiatica</i> (L.) Ridsdale	Kukur Jihwa	S	Apr-Dec	Fw	Vc	KKI-178
275	<i>Leea indica</i> (Burm. f.) Merr.	Kurkur Jihwa	T	Jul-Jan	Or	Vc	KKI-727
276	<i>Leea rubra</i> Blume	Lal bhanga	S	Jun-Oct	-	Vc	EHK-264

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66. LILIACEAE Juss.							
277	<i>Asparagus racemosus</i> Willd.	Shotomuli	S	Nov-Mar	Md	Ra	KKI-5504
278	<i>Crinum asiaticum</i> L.	Barakanur	H	Mar-Aug	Md	Oc	KKI-170
279	<i>Curculigo orchioides</i> Gaertn.	Talmuli	H	Jun-Aug	-	Cm	KKI-5536
280	<i>Gloriosa superba</i> L.	Ulotchandal	C	Jul-Sep	Md	Ra	KKI-5270
281	<i>Molineria capitulata</i> (Lour.) Herb.	Satipata	H	Feb-Sep	-	Cm	KKI-5537
282	<i>Peliosanthes teta</i> Andrews	Napigach	H	Jan-May	-	Cm	KKI-345
67. LORANTHACEAE Juss.							
283	<i>Dendrophthoe pentandra</i> (L.) Miq.	Porgacha	S	Dec-Mar	-	Oc	KKI-676
284	<i>Helixanthera parasitica</i> Lour.	Porgacha	S	Feb-Sep	-	Oc	KKI-5402
285	<i>Scurrula parasitica</i> L.	Porgachha	S	Sep-Dec	-	Oc	KKI-217a
68. LYTHRACEAE Sait-Halalre							
286	<i>Cuphea carthagenensis</i> J.F.Macbr	Kuphea	H	Mar-Jul	Or	Cm	KKI-5461
287	<i>Cuphea hyssopifolia</i> Kunth	Kuphea	H	Mar-Nov	-	Cm	KKI-5140
288	<i>Lagerstroemia speciosa</i> (L.) Pers.	Jarul	T	Apr-Aug	Or	Pl	KKI-5537
69. MALVACEAE Juss.							
289	<i>Abelmoschus moschatus</i> Medic.	Mushak-dana	H	Jul-Dec	Fb	Oc	KKI-5539
290	<i>Abutilon indicum</i> (L.) Sweet	Jhampi	S	Jul-Apr	-	Cm	KKI-55340
291	<i>Hibiscus macrophyllus</i> Roxb.	Khashia udal	T	Jan-May	Fb	Ra	KKI-5275
292	<i>Hibiscus sabdariffa</i> L.	Chuchai	H	Nov-Feb	-	Cm	KKI-5072
293	<i>Sida acuta</i> Burm.f.	Kureta	S	Sep-May	Md	Vc	KKI-5541
294	<i>Urena lobata</i> L.	Bon-okhra	S	Jul-Oct	-	Vc	KKI-5097
70. MARANTACEAE Peterson							
295	<i>Phrynium pubinerve</i> Blume	Koipat	H	Aug-Dec	Bn	Cm	KKI-318
296	<i>Stachyphrynium placentarium</i> (Lour.) - Clausager & Borchs.	-	H	Mar-Nov	Bn	Cm	EHK-323
71. MELASTOMATACEAE Juss.							
297	<i>Melastoma malabathricum</i> L.	Lutkic	S	Jan-Dec	Or	Vc	KKI-328
298	<i>Memecylon edule</i> Roxb.	Anjan	T	-	-	Ra	KKI-5113
299	<i>Sarcopyramis napalensis</i> Wall. (Plate 5.e)	Nichranga	H	Aug-Jan	Or	Cm	KKI-5472
72. MELIACEAE Juss.							
300	<i>Aglaia perviridis</i> Hiern	Sabuj amoor	T	May-Dec	Tb	Ra	KKI-296
301	<i>Aphanamixis polystachya</i> Parker	Pitraj	T	Feb-May	Tb	Vc	KKI-5542
302	<i>Chisocheton cumingianus</i> Harms (Plate 2.a)	Rata	T	Dec-Apr	Tb	Vc	EHK-287
303	<i>Chukrasia tabularis</i> Juss.	Chikrassi	T	May-Feb	Tb	Pl	KKI-5350
304	<i>Dysoxylum gotadhora</i> Mabb.	Rayna	T	Mar-Nov	Tb	Oc	NC
305	<i>Swietenia mahagoni</i> (L.) Jacq.	Mahogini	T	Apr-Nov	Tb	Pl	KKI-5543
306	<i>Toona ciliata</i> M.Roem.	Toon	T	Jan-Jun	Tb	Cm	KKI-5544
73. MENISPERMACEAE Juss.							
307	<i>Parabaena sagittata</i> Miers	Samanuia	C	Jan-Nov	-	Oc	KKI-5221
308	<i>Pericampylus glaucus</i> (Lam.) Merr.	Goria loti	C	Jan-Jul	-	Ra	KKI-181
309	<i>Pycnarrhena pleniflora</i> Miers	Henalor	C	Mar-Aug	-	Oc	KKI-724
310	<i>Stephania glabra</i> (Roxb.) Miers	Thanda manik	C	May-Aug	Md	Vc	KKI 129
311	<i>Stephania japonica</i> Miers	Akanadi	C	Jan-Dec	Md	Vc	N-5684

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
74. MIMOSACEAE R.Br							
312	<i>Acacia auriculiformis</i> Benth.	Akashmoni	T	Jun-Feb	Tb	Pl	KKI-5063
313	<i>Acacia caesia</i> (L.) Willd.	Mimosaceae	C	Apr-Feb	-	Oc	NC
314	<i>Albizia chinensis</i> (Osbeck) Merr.	Chakua	T	Mar-Dec	-	Oc	NC
315	<i>Albizia julibrissin</i> Durazz.	Golap siris	T	Jun-Oct	Tb	Oc	KKI-5102
316	<i>Albizia lebbeck</i> (L.) Benth.	Sil koroi	T	May-Jan	Tb	Vc	KKI-5073
317	<i>Archidendron clypearia</i> Nielsen	Kuramara	S	Feb-Apr	-	Ra	KKI-721
318	<i>Mimosa diplotricha</i> var. <i>inermis</i> & Yusof	Alam Sada lajjabati	S	Jan-Dec	Md	Cm	KKI-5050
319	<i>Mimosa pudica</i> L.	Lojjabati	S	Jan-Dec	-	Vc	EHK-292
320	<i>Xylia xylocarpa</i> (Roxb.) Taub.	Lohakath	T	Mar-Feb	Tb	Pl	KKI-5414
75. MORACEAE Trinius							
321	<i>Artocarpus chama</i> Buch.-Ham.	Chapalish	T	Mar-Jun	-	Cm	KKI-5320
322	<i>Artocarpus lacucha</i> Buch.-Ham.	Dewa	T	Apr-Jun	Ws	Cm	KKI-5545
323	<i>Artocarpus heterophyllus</i> Lam.	Kanthal	T	Nov-Feb	Fr	Pl	EHK-265
324	<i>Ficus auriculata</i> Lour	Sapai Bot	T	Sep-Feb	Ws	Cm	KKI-5415
325	<i>Ficus bengalensis</i> L.	Bot	T	May-Aug	-	Cm	NC
326	<i>Ficus heterophylla</i> L.f.	Bhuidumur	S	Jun-Nov	-	Cm	KKI-5397
327	<i>Ficus hirta</i> Vahl	Dangra	T	Nov-May	Ws	Oc	KKI-5336
328	<i>Ficus hispida</i> L.f.	Kakdumur	T	Apr-Sep	Vg	Vc	KKI-351
329	<i>Ficus lamponga</i> Miq.	Jir Bot	T	Aug-Apr	-	Oc	KKI-5128
330	<i>Ficus maclellandii</i> King	Sarupata bot	T	Sep-Feb	-	Ra	KKI-5170
331	<i>Ficus microcarpa</i> L.f. (Plate 4.c)	Kamrup	T	Sep-Apr	Ws	Ra	KKI-5356
332	<i>Ficus nervosa</i> B.Heyne <i>ex</i> Roth	Panidumur	T	Oct-Apr	Ws	Cm	KKI-318
333	<i>Ficus racemosa</i> L.	Jagyadumur	T	Aug-Nov	Ws	Cm	KKI-316
334	<i>Ficus sagittata</i> Vahl	Karat bot	C	Dec-May	-	Oc	KKI-5323
335	<i>Ficus semicordata</i> Buch.-Ham.	Jajyadomur	T	June-Dec	Md	Vc	KKI-344
336	<i>Ficus subincisa</i> Buch.-Ham.	Panidumur	T	May-Nov	-	Oc	KKI-155
337	<i>Ficus variegata</i> Blume	Boro bot	T	Dec-Mar	Ws	Oc	KKI-5379
76. MUSACEAE Juss.							
338	<i>Musa paradisiaca</i> L.	Kola	H	Jan-Dec	Fr	Vc	KKI-5088
77. MYRISTICACEAE R.Br.							
339	<i>Knema bengalensis</i> W.J.Wilde	-	T	Dec-Mar	-	Cm	KKI-5443
78. MYRSINACEAE R.Br.							
340	<i>Embelia parviflora</i> Wall. (Plate 5.b)	Parvibela	S	Dec-Nov	-	Ra	N-5620(2)
341	<i>Maesa chisia</i> F.Ham. <i>ex</i> D.Don	Gangu-loda	T	Jan-Nov	-	Ra	KKI-5378
342	<i>Maesa indica</i> (Roxb.) A.DC.	Sirkhi	T	Apr-Jan	-	Vc	KKI-356
343	<i>Maesa paniculata</i> A. DC.	Kuljoni	T	Apr-Jan	-	Cm	KKI-5248
79. MYRTACEAE Juss							
344	<i>Syzygium cumini</i> (L.) Skeels	Kala jam	T	Mar-Jun	ws	Pl	KKI-5483
345	<i>Syzygium grande</i> (Wight) Walp.	Dhaki jam	T	Apr-Sep	Tb	Pl	EHK-302
80. OLACACEAE B.Rb.							
346	<i>Olax acuminata</i> Wall. <i>ex</i> Benth.	-	T	Jan-Dec	-	Oc	KKI-5506
81. OLEACEAE Hoffman							
347	<i>Myxopyrum smilacifolium</i> Blume	Panta lota	S	Apr-Sep	-	Cm	EHK-296
348	<i>Nyctanthes arbor-tristis</i> L.	Sheuli	T	Aug-Jan	Or	Pl	N-5685

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82. ONAGRACEAE Juss.							
349	<i>Ludwigia octovalvis</i> (Jacq.) Raven	Bunlong	H	Jan-Dec	-	Cm	KKI-5337
350	<i>Ludwigia perennis</i> L.	Pani akhra	H	Feb-Dec	-	Vc	KKI-5100
351	<i>Ludwigia prostrata</i> Roxb.	Shayan kura	H	Jan-Oct	-	Vc	EHK-300
83. ORCHIDACEAE R.Br.							
352	<i>Acampe ochracea</i> (Lindl.) Hochr.	Kampera	H	Mar-Aug	-	Cm	KKI-5325
353	<i>Acampe praemorsa</i> Blatt. Syn. <i>Acampe papillosa</i> Lindl.	-	S	-	-	Cm	KKI-5346
354	<i>Aerides odorata</i> Lour.	Orchid	H	Jun-Oct	Or	Cm	EHK-331
355	<i>Cymbidium aloifolium</i> (L.) Sw.	Churi	H	Apr-Jun	Or	Cm	KKI-5367
356	<i>Dendrobium aphyllum</i> Fisch.	Faisa	H	Apr-May	Or	Cm	KKI-193
357	<i>Dendrobium fimbriatum</i> Hook.	Orchid	H	Mar-May	Or	Oc	NC
358	<i>Dendrobium lindleyi</i> Steud.	Orchid	H	Mar-May	Or	Oc	KKI-5347
359	<i>Goodyera procera</i> Hook.	Orchid	H	Mar-May	-	Ra	KKI-679
360	<i>Luisia tristis</i> (G.Forst.) Hook.f.	Lankaluci	H	May-Jul	Md	Oc	EHK-332
361	<i>Oberonia mucronata</i> Ormerod!	Natarone	H	Aug-Sep	-	Oc	NC
362	<i>Papilionanthe teres</i> (Roxb.) Schltr.	Projapoti orchid	H	Mar-Apr	Md	Cm	KKI-5324
363	<i>Pelatantheria insectifera</i> Ridl. (Plate 3.f)	-	H	Sep-Dec	-	Cm	KKI-5357
364	<i>Rhynchosstylis retusa</i> (L.) Blume	-	H	May-Jul	Or	Cm	KKI-5306
84. OXALIDACEAE R.Br.							
365	<i>Biophytum reinwardtii</i> Klotzsch	Bannaringati	S	-	-	Oc	NC
85. PANDANACEAE R.Br.							
366	<i>Pandanus odorifer</i> (Forssk.) Kuntze	Bara keya	S	May-Oct	-	Oc	KKI-5444
86. PASSIFLORACEAE Juss.							
367	<i>Passiflora edulis</i> Sims	Tank phul	C	Apr-Jul	Fr	Oc	KKI-5240
368	<i>Passiflora foetida</i> L.	Jhumkolata	C	Jul-Dec	-	Cm	KKI-5223
87. PEDALIACEAE R.Br.							
369	<i>Sesamum indicum</i> L.	Til	H	Feb-Oct	Oi	Pl	EHK-305
88. PIPERACEAE Giseke							
370	<i>Peperomia pellucida</i> (L.) Kunth.	Luchi pata	H	Jul-Sep	-	Oc	NC
371	<i>Piper boehmeriifolium</i> Wall.	-	C	Dec-Jul	-	Oc	KKI-5190
372	<i>Piper hamiltonii</i> DC.	Jangali pan	C	Oct-Mar	-	Oc	NC
373	<i>Piper peepuloides</i> Wall.	Pepali	C	-	-	Oc	KKI-674
374	<i>Piper sylvaticum</i> Roxb.	Ban Pipal	C	Jul-Dec	Vg	Vc	KKI-674
89. POACEAE Varnhart							
375	<i>Axonopus compressus</i> Beauv.	Balla ghas	H	Apr-Dec	-	Cm	KKI-5094
376	<i>Bambusa balcooa</i> Roxb.	Boura bans	H	Irregular	Ba	Vc	KKI-5190
377	<i>Bambusa tulda</i> Roxb.	Talla bnas	H	Sep-May	-	Vc	KKI-363
378	<i>Bambusa vulgaris</i> Schrad.	Jowa bans	H	Apr-May	Ba	Vc	KKI-363
379	<i>Chrysopogon aciculatus</i> Trin.	Chorkanta	H	Jan-Dec	-	Vc	KKI-5117
380	<i>Cynodon dactylon</i> (L.) Pers.	Durba	H	Jul-Dec	Md	Vc	KKI-5546
381	<i>Cyrtococcum accrescens</i> Trin.	-	H	-	-	Cm	KKI-5214
382	<i>Cyrtococcum patens</i> (L.) Camus	Patcocca	H	Jan-Dec	-	Cm	KKI-5464
383	<i>Hymenachne amplexicaulis</i> Nees	Nordula gahs	H	-	-	Cm	KKI-5151

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384	<i>Hygroryza aristata</i> Nees & Arn.	Phutki	H	Oct-Feb	-	Cm	EHK-334
385	<i>Melocanna baccifera</i> (Roxb.) Kurz	Muli bans	H	Apr-Sep	Ba	Vc	KKI-363
386	<i>Oplismenus compositus</i> Beauv.	Gohur durba	H	Sep-Dec	-	Vc	EHK-261
387	<i>Schizostachyum dullooa</i> Majum	Dulu bans	H	May-Dec	-	Vc	KKI-5427
388	<i>Thysanolaena latifolia</i> Honda	Jharu phul	H	Dec-Mar	-	Cm	KKI-5200
389	<i>Thyrsostachys oliveri</i> Gamble	Rengooni bans	H	Nov-Feb	-	Oc	KKI-363
90. POLYGONACEAE Juss.							
390	<i>Persicaria hydropiper</i> (L.) Spach	Bishkatali	H	Aug-Apr	-	Vc	EHK-267
391	<i>Polygonum pubescens</i> Blume	-	H	Aug-Oct	-	Cm	KKI-359
392	<i>Polygonum viscosum</i> Buch.-Ham.	Bishkatali	H	Feb-May	-	Vc	KKI-157
91. PONTEDERIACEAE Kuth							
393	<i>Monochoria hastata</i> (L.) Soloms	Kechor	H	Jan-Dec	-	Vc	N-5642
92. RHAMNACEAE Juss.							
394	<i>Ziziphus jujuba</i> Mill. Syn. <i>Ziziphus muratiana</i> Maire	Boroi	T		-	Cm	KKI-5053
395	<i>Ziziphus oenopolia</i> (L.) Mill.	Bankul	C	Dec-Apr	-	Oc	KKI-5279
93. RHIZOPHORACEAE Pers.							
396	<i>Carallia brachiata</i> (Lour.) Merr.	Lotkao	T	Jan-May	Ws	Oc	KKI-272
94. ROSACEAE Juss.							
397	<i>Rubus hexagynus</i> Roxb.	Hirachura	S	Oct-Jan	-	Oc	KKI-5361
95. RUBIACEAE Juss.							
398	<i>Aidia micrantha</i> Bullock (Plate 3.a)	Aimira	S	Jun-Sep	-	Oc	KKI-5105
399	<i>Aidia pseudospicata</i> Ridsdale	Aidakata	T	Apr-Dec	-	Oc	KKI-5326
400	<i>Canthium glabrum</i> Blume		T	Sep-Mar	-	Ra	KKI-5096
401	<i>Chassalia curviflora</i> (Wall.) Thwaites	Hel gaas	S	Apr-Feb	-	Vc	KKI-689
402	<i>Hedyotis scandens</i> Roxb.	Bish lata	C	Jan-Dec	Md	Cm	EHK-346
403	<i>Hedyotis vestita</i> R.Br. ex G.Don	Costa papri	H	Jul-Nov	-	Cm	KKI-305
404	<i>Hymenodictyon orixensis</i> Mabb.	Bhutum	T	Jul-Nov	-	Oc	NC
405	<i>Lasianthus attenuatus</i> Jack	-	S	Apr-Jul	-	Cm	KKI-366
406	<i>Morinda angustifolia</i> Roxb.	Mano mali	T	Dec-Sep	-	Cm	KKI-216
407	<i>Mussaenda macrophylla</i> Wall.	Kalasona	S	Jan-Dec	-	Vc	KKI-199
408	<i>Mussaenda roxburghii</i> Hook.f.	Musanda	S	Sildauro	-	Vc	N-5635
409	<i>Mycetia longifolia</i> (Wall.) Kuntze	-	S	Jun-mar	-	Vc	KKI-5266
410	<i>Mycetia malayana</i> (G.Don) Craib (Plate 5.d)	-	S	Jan-Dec	-	Ra	N-5651
411	<i>Mycetia sinensis</i> (Hemsl.) Craib (Plate 5.c)	-	S	Jul-Nov	-	Ra	N-5652
412	<i>Myrioneuron nutans</i> Wall. ex Hook.f.	Natanuran	S	Sep-Feb	-	Cm	KKI-5239
413	<i>Neolamarckia cadamba</i> Bosser	Kadam	T	Jul-Nov	Ws	Vc	NC
414	<i>Oldenlandia diffusa</i> Roxb.	Khetpapra	H	Jul-Dec	-	Cm	KKI-150
415	<i>Oldenlandia glabra</i> Kuntze	-	H	May-Oct	-	Ra	KKI-305
416	<i>Oldenlandia verticillata</i> L.	-	H	Jan-Dec	-	Cm	KKI-219
417	<i>Ophiorrhiza harrisonii</i> G.Don	Kalashona	H	Apr-Nov	-	Oc	N-5660
418	<i>Ophiorrhiza mungos</i> L.	Gand.	S	Jan-Dec	Md	Vc	KKI-298
419	<i>Oxyceros longiflorus</i> Yamaz.	Lonchuri	S	-	-	Oc	KKI-5447
420	<i>Pavetta indica</i> L.	Banamali	S	Nov-Jul	Md	Cm	KKI-365

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421	<i>Psychotria adenophylla</i> Wall.	Lipikak	S		-	Cm	KKI-5547
422	<i>Psychotria denticulata</i> Wall.	Danti bhuta	S	May-Jan	-	Oc	KKI-5548
423	<i>Psychotria silhetensis</i> Hook.f.	Sylheti bhuta	S	Apr-Jan	-	Vc	N-5634
424	<i>Spermacoce latifolia</i> Aubl.	Ghuiojhil Shak	H	Dec-Apr	-	Oc	KKI-5103
425	<i>Spermacoce ocymoides</i> Burm.f.		H	-	-	Oc	KKI-5150
426	<i>Uncaria scandens</i> (Sm.) Hutch.	Vailful lota	C	Oct-Mar	-	Oc	KKI-307
427	<i>Wendlandia paniculata</i> DC.	Lodiannol	T	Apr-Jan	-	Ra	KKI-729
96. RUTACEAE Juss.							
428	<i>Acronychia pedunculata</i> Miq.	Bon-jamir	T	Jun-Dec	Md	Ra	N-5626
429	<i>Aegle marmelos</i> (L.) Corr.	Bel	T	Apr-Dec	Md	Pl	KKI-5549
430	<i>Atalantia simplicifolia</i> Engl.	-	S	Apr-Jan	-	Ra	KKI-5247
431	<i>Citrus limon</i> (L.) Osbeck	Lebu	S		-	Cm	KKI-5257
432	<i>Citrus maxima</i> (Burm.) Merr.	Batabi lebu	T	Feb-Nov	Fr	Pl	KKI-5245
433	<i>Clausena anisata</i> (Willd.) Hook.f.	Kalomaricha	T	Mar-Jun	-	Cm	KKI-719
434	<i>Clausena heptaphylla</i> Wight	Panbahar	T	Mar-Aug	-	Cm	KKI-704
435	<i>Glycosmis cyanocarpa</i> Spreng.	Datmajan	S	-	-	Ra	KKI-5057
436	<i>Micromelum minutum</i> Wight	Dulia	T	Jan-Dec	-	Cm	EHK-318
97. SABIACEAE Blume							
437	<i>Meliosma pinnata</i> Maxim. (Plate 3.d)	Bativa	T	Sep-Apr	-	Ra	KKI-5392
438	<i>Meliosma rhoifolia</i> Maxim.	-	T	May-Oct	-	Ra	NC
439	<i>Sabia lanceolata</i> Colebr.	Sajba lata	C	Oct-Apr	-	Oc	KKI-5232
98. SAPINDACEAE Juss.							
440	<i>Allophylus samarensis</i> Merr.	Chita	S	may-Nov	-	Oc	KKI-326
441	<i>Allophylus subfalcatus</i> Radlk.	Bakachita	-	-	-	Oc	KKI-683
442	<i>Lepisanthes tetraphylla</i> Radlk.	-	S	Mar-July	-	Ra	KKI-311
443	<i>Madhuca longifolia</i> var. <i>latifolia</i> Chev. Syn. <i>Madhuca indica</i> J.F.Gmel.	Mohua	T	Mar-Aug	Or	Pl	KKI-5385
99. SCROPHULARIACEAE Juss.							
444	<i>Adenosma indianum</i> Merr.	Barakesuti	H	Jul-Jan	-	Oc	KKI-5058
445	<i>Limnophila aromatica</i> Merr.	Pani Karpur	H	Jan-Dec	-	Vc	KKI-5333
446	<i>Limnophila rugosa</i> (Roth) Merr.	Keshori	H	Sep-Dec	-	Cm	KKI-5278
447	<i>Lindernia antipoda</i> (L.) Alston	Jhai ghas	H	Jan-Dec	-	Vc	KKI-5149
448	<i>Lindernia ciliata</i> Pennell	Bhui	H	May-Aug	-	Oc	KKI-373
449	<i>Lindernia procumbens</i> Philcox	Bakpuspa	H	Jul-Dec	-	Vc	KKI-5340
450	<i>Lindernia ruellioides</i> Pennell	Chapra	H	May-Jan	-	Oc	EHK-337
451	<i>Lindernia viscosa</i> Merr.	Atha chapra	H	May-Nov	-	Vc	EHK-519
452	<i>Scoparia dulcis</i> L.	Bon dhone	H	Jan-Dec	-	Vc	KKI-5264
453	<i>Torenia fournieri</i> Lind. ex Tourn.	Tarunika	H	Apr-Aug	-	Cm	KKI-160
454	<i>Torenia violacea</i> Pennell	Niltarunika	H	Aug-Nov	-	Cm	KKI-343
100. SMILACACEAE Vent.							
455	<i>Smilax glabra</i> Roxb.	Topachini	C	Jul-Apr	-	Oc	EHK-256
456	<i>Smilax lanceifolia</i> Roxb.	Laochini	C	Sep-Dec	-	Ra	KKI-5262
457	<i>Smilax ovalifolia</i> Roxb.	Kumarilata	C	Nov-Mar	Md	Oc	KKI-5242
101. SOLANACEAE Juss.							
458	<i>Solanum americanum</i> Mill.	Kakmachi	H	Jun-Jan	-	Cm	KKI-5077
459	<i>Solanum sisymbriifolium</i> Lam.	Kanta begun	H	Jan-Dec	-	Cm	KKI-5550

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460	<i>Solanum torvum</i> Sw.	Tit Begun	S	Jan-Dec	Vg	Vc	EHK-271
461	<i>Solanum violaceum</i> Ortega	Gurkamai	S	Jan-Dec	-	Oc	KKI-5098
462	<i>Solanum virginianum</i> L.	Kantakari	H	Jan-Feb	-	Cm	KKI-5099
102. SONNERATIACEAE Engl.							
463	<i>Duabanga grandiflora</i> Walp.	Bandorhola	T	Feb-Aug	-	Cm	KKI-5322
103. STERCULIACEAE Salisb.							
464	<i>Byttneria aspera</i> Collebr. ex Wall.	Katagola	C	Apr-Dec	-	Vc	KKI-338
465	<i>Byttneria pilosa</i> Roxb.	Harjora Lata	S	Oct-Feb	Md	Cm	KKI-183
466	<i>Firmiana colorata</i> (Roxb.) R.Br.	Naichicha udal	T	Mar-Apr	Fr	Ra	NC
467	<i>Melochia corchorifolia</i> L.	Tiki-okra	H	Mar-June	Md	Cm	KKI-5349
468	<i>Pterospermum acerifolium</i> Willd.	Kanak-champa	T	Mar-Apr	Or	Oc	NC
469	<i>Sterculia villosa</i> Roxb.	Udal	T	Mar-Aug	-	Pl	KKI-5382
470	<i>Sterculia hamiltonii</i> Adelb.	Pithapuli	T	Apr-Oct	Fr	Cm	KKI-310
104. STYRACACEAE R.Br.							
471	<i>Styrax serrulatus</i> Roxb. (Plate 3.e)	Kam javeba	T	Mar-Nov	-	Oc	KKI-681
105. THEACEAE D.Don							
472	<i>Camellia caudata</i> Wall. (Plate 1.d)	Bancha	T	Jul-Dec	Or	Oc	KKI-5260
473	<i>Camellia sinensis</i> (L.) Kuntze	Cha	T	Sep-Jan	Md	Pl	KKI-5052
474	<i>Eurya acuminata</i> DC.	Lapet	T	Jul-Oct	Ws	Cm	KKI-5282
475	<i>Schima wallichii</i> Choisy	Konok	T	Apr-Sep	Fw	Oc	KKI-660
106. THYMELAEACEAE Juss.							
476	<i>Aquilaria malaccensis</i> Lam.	Agor	T	May-Sep	Ap	Pl	NC
107. TILIACEAE Juss.							
477	<i>Corchorus aestuans</i> L.	Titapat	H	Mar-Nov	-	Cm	KKI-5056
478	<i>Grewia nervosa</i> (Lour.) Panigrahi	Pichandi	T	Mar-Dec	Fw	Vc	N-5646
479	<i>Grewia serrulata</i> DC.	Panisara	S	May-Feb	Fw	Oc	KKI-5416
480	<i>Triumfetta pilosa</i> Roth	Pilofetta	S	Jan-Dec	-	Cm	KKI-5236
481	<i>Triumfetta rhomboidea</i> Jacq.	Bon okra	S	Aug-Jan	-	Cm	KKI-5219
108. ULMACEAE Mirbel							
482	<i>Trema orientalis</i> (L.) Blume	Naila	T	Apr-Oct	-	Cm	KKI-5075
109. URTICACEAE Juss.							
483	<i>Boehmeria macrophylla</i> Hornem.	Ulichara	S	Sep-Dec	-	Cm	KKI-5211
484	<i>Debregeasia dentata</i> Hook.f. (Plate 2.d)	-	S	-	-	Ra	KKI-5420
485	<i>Dendrocnide sinuata</i> Chew	Lau-chutra	S	Jun-Feb	-	Cm	KKI-5229
486	<i>Elatostema platyphyllum</i> Wedd	-	S	Mar-Oct	-	Vc	KKI-5424
487	<i>Elatostema rupestre</i> Wedd.	-	H	May-Sep	-	Vc	EHK-338
488	<i>Laportea interrupta</i> (L.) Chew	Lal Bichuti	H	Aug-Nov	-	Oc	KKI-5213
489	<i>Oreocnide integrifolia</i> Miq.	Horhuta	T	Sep-Jun	-	Vc	EHK-259
490	<i>Pilea cadierei</i> Gagnep. & Guill.	Alum	H	Sept-Dec	-	Ra	NC
491	<i>Pilea glaberrima</i> Blume	-	H	May-Nov	-	Vc	KKI-726
492	<i>Pouzolzia zeylanica</i> (L.) Benn.	Kullaruki.	H	Jun-Dec	-	Vc	KKI-220
493	<i>Sarcochlamys pulcherrima</i> Gaud.	-	S	Jun-Feb	-	Cm	N-5679
110. VERBENACEAE Hil							
494	<i>Callicarpa arborea</i> Roxb.	Bormala	T	May-Nov	Md	Cm	KKI-5125
495	<i>Callicarpa longifolia</i> Lam.	Khoja	S	July-Feb	-	Oc	KKI-728

Sl. No.	Scientific name	Bangla name	Habit form	Phenology	Use/s	State of occurrence	Representative specimen
496	Clerodendrum laevifolium Blume Syn. <i>Clerodendrum wallichii</i> Merr.	Jhulka	S	Aug-Dec	-	Oc	EHK-320
497	Clerodendrum indicum Kuntze	Bamunhati	S	Apr-Oct	Md	Cm	KKI-5399
498	Clerodendrum infortunatum L. Syn. <i>Clerodendrum viscosum</i> Vent.	Bhat	S	Jan-Jul	Md	Vc	KKI-5551
499	Clerodendrum paniculatum L.	Panfin bhant	S	May-Oct	Md	Ra	NC
500	Gmelina arborea Roxb.	Gamar	T			Pl	KKI-5510
501	Lantana camara L.	Lantana	S	Jan-Dec	Md	Vc	KKI-5066
502	Symphorema involucreatum Roxb. (Plate 4.e)	Tata loti	C	Feb-May		Ra	KKI-152
503	Tectona grandis L.f.	Segun	T	Jul-Nov	Tb	Pl	KKI-5375
504	Vitex peduncularis Wall. ex Schauer	Horina	T	Apr-Dec	Tb	Vc	KKI-5146
505	Vitex pinnata L. (Plate 2.c)	Awal	T	Oct-Dec	Fw	Ra	KKI-5122
111. VITACEAE Juss.							
506	Ampelocissus barbata Planch.	Jarila-lahari.	C	June-Oct	Fr	Oc	KKI-250
507	Cayratia trifolia (L.) Domin	Amol lata	C	May-Dec	-	Oc	KKI-5376
508	Cissus javana DC. <i>Cissus discolor</i> Blume	Rangin loti	C	May-Dec	Or	Oc	EHK-319
509	Cissus repens Lam.	Marmaria-pata	C	June-Dec	-	Cm	KKI-5430
510	Tetragium bracteolatum Planch.	Golgolilata	C	Jul-Jan	-	Oc	KKI-5372
511	Tetragium leucostaphylum Alston	Horina lata	C	Mar-Aug	-	Cm	KKI-313
512	Tetragium thomsonianum Planch.	-	C	May-Nov	-	Cm	KKI-324
112. ZINGIBERACEAE Lindl.							
513	Alpinia conchigera Griff.	Pandogro	H	Jun-Nov	-	Oc	KKI-5176
514	Alpinia malaccensis Rosc.	Deotara	H	May-Sep	Md	Cm	EHK-285
515	Amomum subulatum Roxb.	Tera	H	May-sep	-	Ra	KKI-347
516	Amomum dealbatum Roxb.	Taruko	H	May-Jan	-	Ra	KKI 000
517	Curcuma longa L.	Holud	H	Aug-Oct	Sp	Pl	N-5668
518	Curcuma zedoaria Roscoe	Shoti	H	Apr-Aug	Md	Pl	KKI-169
519	Etingera linguiformis Sm. (Plate 2.b)	Star ada	H	Jun-Oct	-	Ra	KKI 000
520	Globba multiflora Wall. ex Baker	-	H	Jul-Sep	-	Oc	KKI-5496
521	Hedychium thyriforme Sm.	Pala ada	H	Aug-Feb	-	Cm	KKI-339
522	Larsenianthus careyanus Kress	-	H	July-Nov	-	Cm	KKI-5172
523	Zingiber officinale Roscoe	Ada	H	Oct-Nov	Sp	Cm	KKI-5452
524	Zingiber rubens Roxb.	Murga ada	H	June-Sep	-	Ra	KKI 000

Legends: H= Herb, S= Shrub, T= Tree, C= Climber, Sp= Spice yielding Pl= Planted, Fo= Food, Oi= oil yielding, Ru= Rubber yielding, Ws= Wildlife supporting plants, Tm= Timber, AP= Aromatic plant, Fb= Fibre yielding, Fr= Fruit edible, Fw=Fire wood, Md= Medicinal, Or= Ornamental, Ps=Poisonous, Vg=Vegetables, Ra= Rare, Oc= Occasional, Cm= Common, VC= Very Common, NC= Not collected but seen.

Taxonomic study of Lathitila Forest has found a total of 524 vascular plant species under 365 genera and 112 families. Among these, Pteridophytes represents 38 species under 25 genera and 14 families. Magnoliopsida represents 387 species under 266 genera and 78 families, while Liliopsida represents 98 species under 73 genera and 19 families. On the other hand, only 1 Gymnosperm species named *Gnetum montanum* Markgr. has been recorded from the area. All species of Pteridophytes and Gymnosperms were found as wild but among the Angiosperms 87.41% (total 458 species) were wild, and rest 5.15% (total 27 species) planted or cultivated.

In Magnoliopsida, eight largest families (having >10 species) are Euphorbiaceae (37 species under 22 genera), Rubiaceae (30 species under 19 genera), Moraceae (17 species under 2 genera), Acanthaceae (13 species under 11 genera), Verbenaceae (12 species under 7 genera), Asteraceae (13 species under 12 genera), Scrophulariaceae (11 species under 5 genera), Urticaceae (11 species under 9 genera). On the other hand, four largest families of Liliopsida (having >10 species) are Araceae (17 species under 10 genera), Poaceae (15 species under 13 genera), Orchidaceae (13 species under 10 genera), and Zingiberaceae (12 species under 8 genera). *Ficus* appears as the largest genus with 14 species, followed by *Lindernia*, *Tecteria*, *Litsea*, *Solanum*, and *Begonia* with 5 species each; *Pteris*, *Mallotus*, *Phyllanthus*, *Dioscorea*, *Piper*, *Leea* and *Clerodendrum* with 4 species each; *Smilax*, *Lygodium*, *Mycetia*, *Steudnera*, *Typhonium*, *Antidesma*, *Bambusa* and *Tetrastigma* with 3 species each. However, out of 122 families, 31 families possess only one species *viz.* Actinidiaceae, Alangiaceae, Alismataceae, Balsaminaceae, Bombacaceae, Bromeliaceae, Chloranthaceae, Combretaceae, Costaceae, Cyatheaceae, Datisceae, Dichapetalaceae, Dipterocarpaceae, Elaeocarpaceae, Gleicheniaceae, Gnetaceae, Lomariopsidaceae, Lycopodiaceae, Musaceae, Myristicaceae, Olacaceae, Ophioglossaceae, Oxalidaceae, Pandanaceae, Pedaliaceae, Pontederiaceae, Rhizophoraceae, Rosaceae, Styracaceae, Thymelaeaceae and Ulmaceae.

The flora occurring in the forest has been categorized under four habit forms named herbs, shrubs, trees, and climbers. Among those habit forms, 206 (39.32%) species are herbs, 103 (19.65%) species are shrubs 144 (27.48%) species are trees and 71 (13.55%) species are climbers (including creepers, lianas) (Fig. 3). In the LF area, status of occurrence of the represented plant species has been assessed for proper conservation, management and sustainable utilization. A total of 152 plant species (29%) are found are very common (including 27 planted & cultivated species), while 170 (32%) are common, 141 (27%) as occasional and remaining 61 (12%) as rare (Fig. 4).

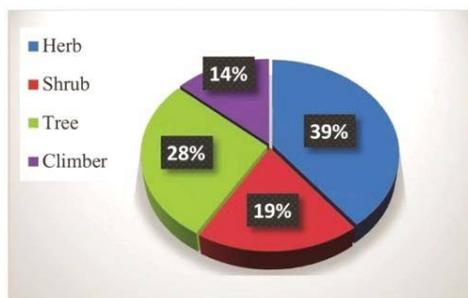


Fig. 3. Pie chart showing habit forms

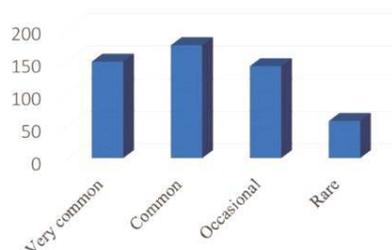


Fig. 4. Column showing rarity of plant species

Among the collected plant species from this study, 210 (40%) species have economical and/or ecological importance, especially as sources of fruit, vegetable, firewood, medicine, timber, ornamental, and wildlife supportive. The present study has found 54 medicinal plants used by the local peoples of the study area for their primary health care. Some important medicinal plants used by the local people are *Terminalia bellerica*, *Cheilocostus speciosus*, *Coccinia grandis*, *Momordica cochinchinensis*, *Trichosanthes tricuspidata*, *Cyathea gigantea*, *Acalypha indica*, *Asparagus racemosus*, *Gloriosa superba*, and *Clerodendrum infortunatum* etc. Apart from medicinal uses, 40 species used as ornamental, 33 species used as firewood, 21 species used as timber, 16 species used as vegetables, 14 species used as fruit, 13 species used as wildlife supportive and 19 species used for miscellaneous purposes (Fig. 5). On the other hand, *Albizia lebbek* and *Senna siamea* have been planted in the tea garden as a shade plant.

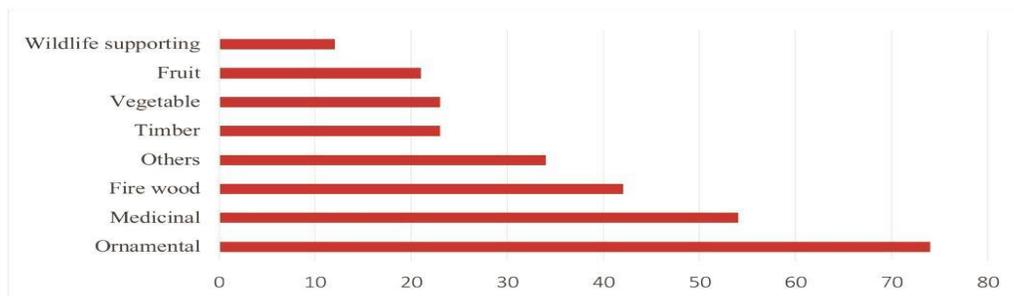


Fig. 5. Bar diagram showing the diverse uses of the plant species.

A total of 5 plant species (Table 3) were discovered as new records for Bangladesh from the study area by (Uddin *et al.*, 2015) and Uddin and Rahman (2015). The significance of such field research is the detection of novel additions to a floristic region, which subsequently improve our understanding of plant biogeography as well as species diversity of the country.

Table 3. Newly reported Plant species for Bangladesh from the Lathitila Forest.

New records species	Family	Specimen examined	Habit
<i>Embelia parviflora</i> Wall. ex A.DC.	Myrsinaceae	N 5620 (DACB)	Shrub
<i>Mycetia malayana</i> (G.Don) Craib	Rubiaceae	N 5651(DACB)	Shrub
<i>Mycetia sinensis</i> (Hemsl.) Craib	Rubiaceae	N 5652 (DACB)	Shrub
<i>Sarcopyramis napalensis</i> Wall.	Melastomataceae	EHK 202 (DACB)	Herb
<i>Staurogyne simonsii</i> Kuntze	Acanthaceae	N 5619 (DACB)	Herb

The present study found that, some species are found as rare with their small population and restricted distribution only the Lathitila Forest area (*viz. Asystasiella neesiana, Staurogyne simonsii, Ancistrocladus wallichii, Ancistrocladus tectorius, Euonymus laxiflorus, Litsea laeta, Litsea kurzii, Litsea stocksii, Embelia parviflora, Thottea tomentosa, Tetraphyllum bengalense, Sarcopyramis napalensis, and Staurogyne simonsii*). On the other hand, according to the local people, Surma bans Mahal and Holampa bans Mahal used to have a large number of bamboo plantations, but with time, most of them are decreasing day by day due to habitat destruction, deforestation, and over exploitation. Therefore, these species need to take under conservation and proper management.

This checklist provides basic information on all vascular plant species currently occurring in the Lathitila Forest, which can be considered as an important database as well as baseline to track the trend of changes in the floristic composition of this forest in course of time and different biogeographical processes. This study also informs the current status of threatened species in LF area. These data might be useful in planning, management, conservation and sustainable development of this valuable forest resource of Bangladesh. Group discussion with local people and observations during field works resulted in identifying some major threats for the flora of the Lathitila Forest, which include urbanization, lack of awareness, plantation of exotic tree species, destruction and degradation of habitats, human settlement, impact of alien invasive plant species, and climate change. Therefore, efforts should be undertaken to minimize these threats for safeguard the Lathitila Forest flora.

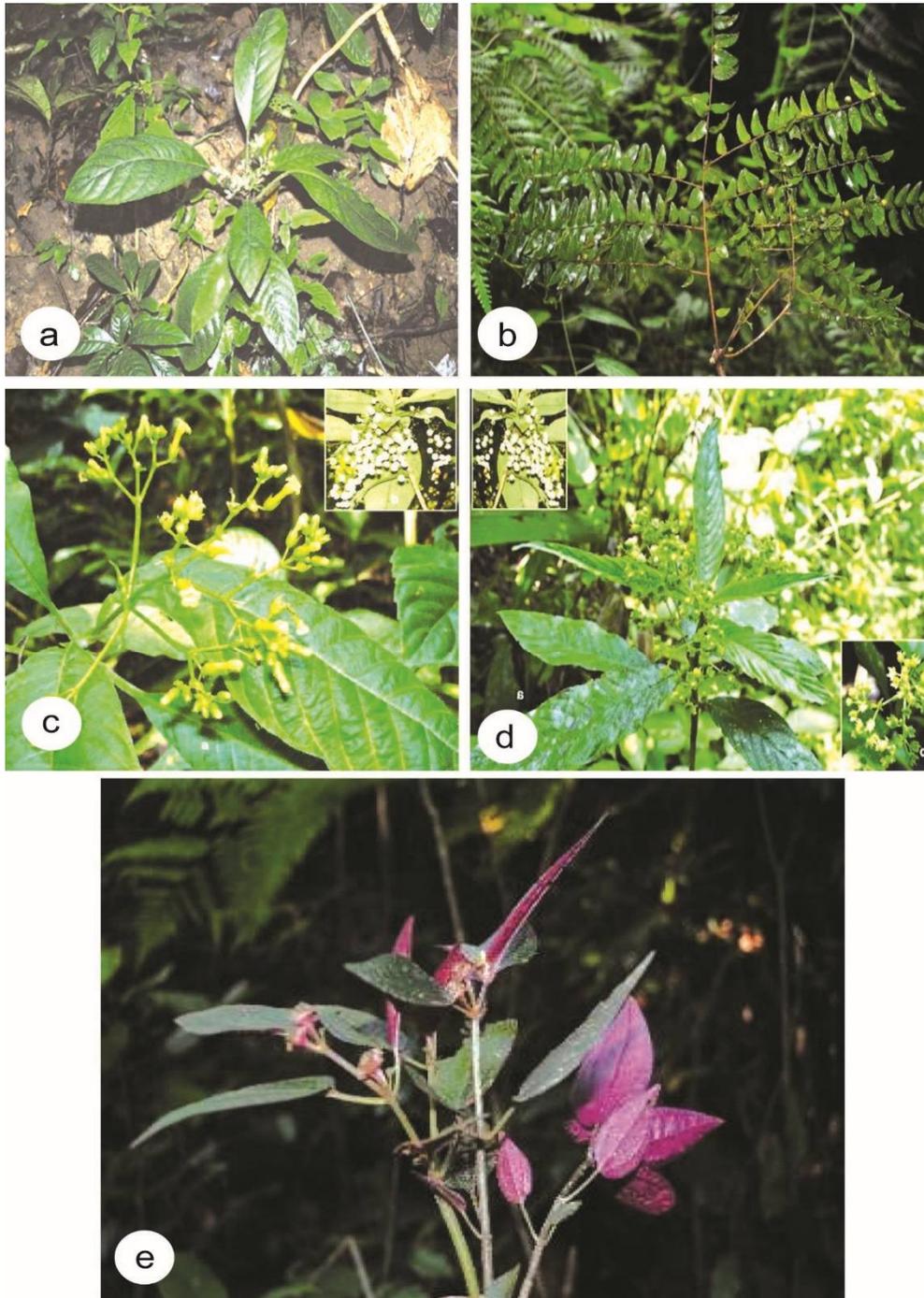


Plate 1: Newly recorded plant species-(a) *Staurogyne simonsii*. (b) *Embelia parviflora*. (c) *Mycetia sinensis*. (d) *Mycetia malayana*. (e) *Sarcopyramis napalensis*.

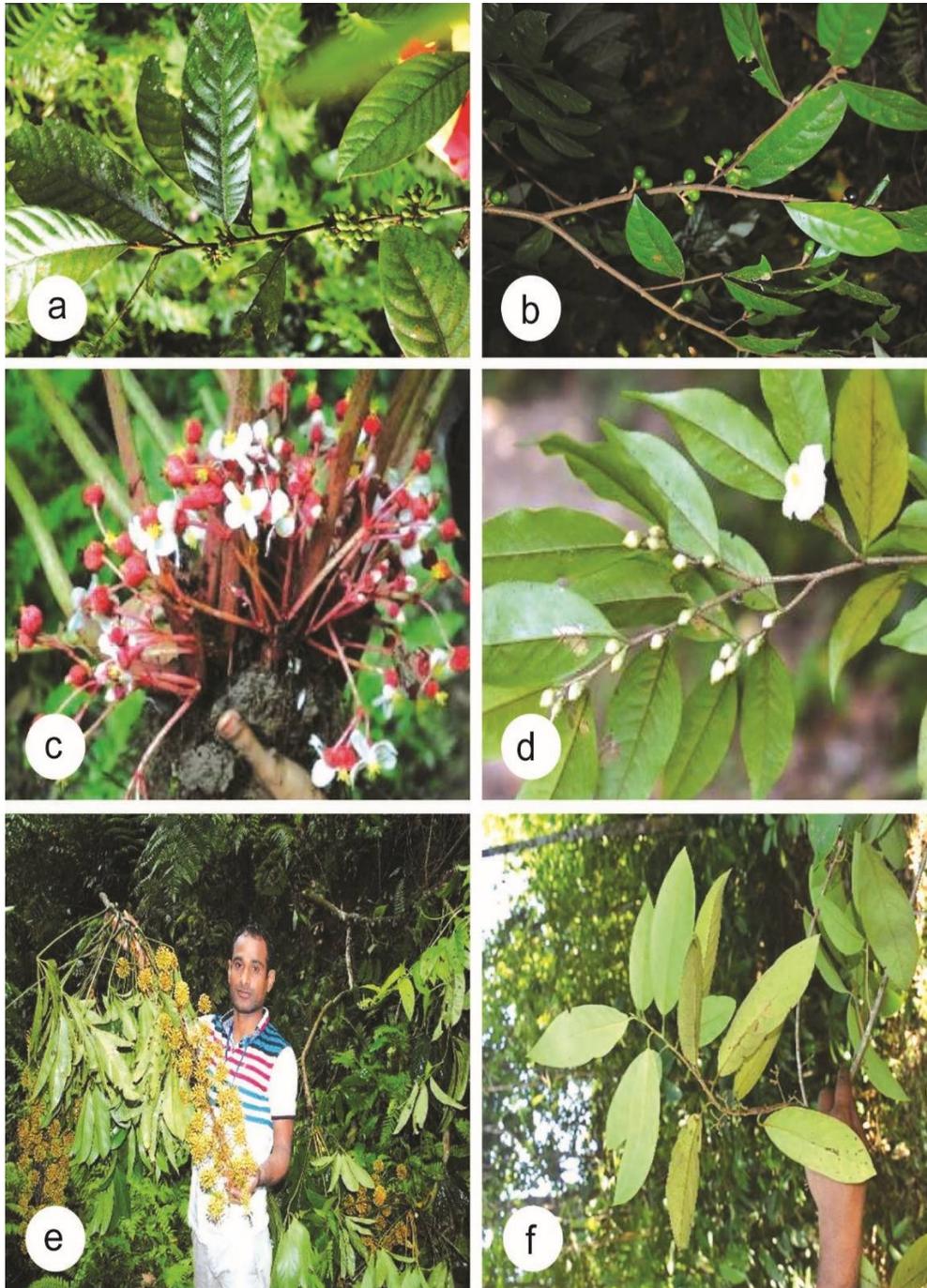


Plate 2: Rare plant species- (a) *Litsea kurzii*. (b) *Litsea variabilis*. (c) *Begonia silhetensis*. (d) *Camellia caudata*. (e) *Brassaiopsis glomerulata*. (f) *Litsea stocksii*.

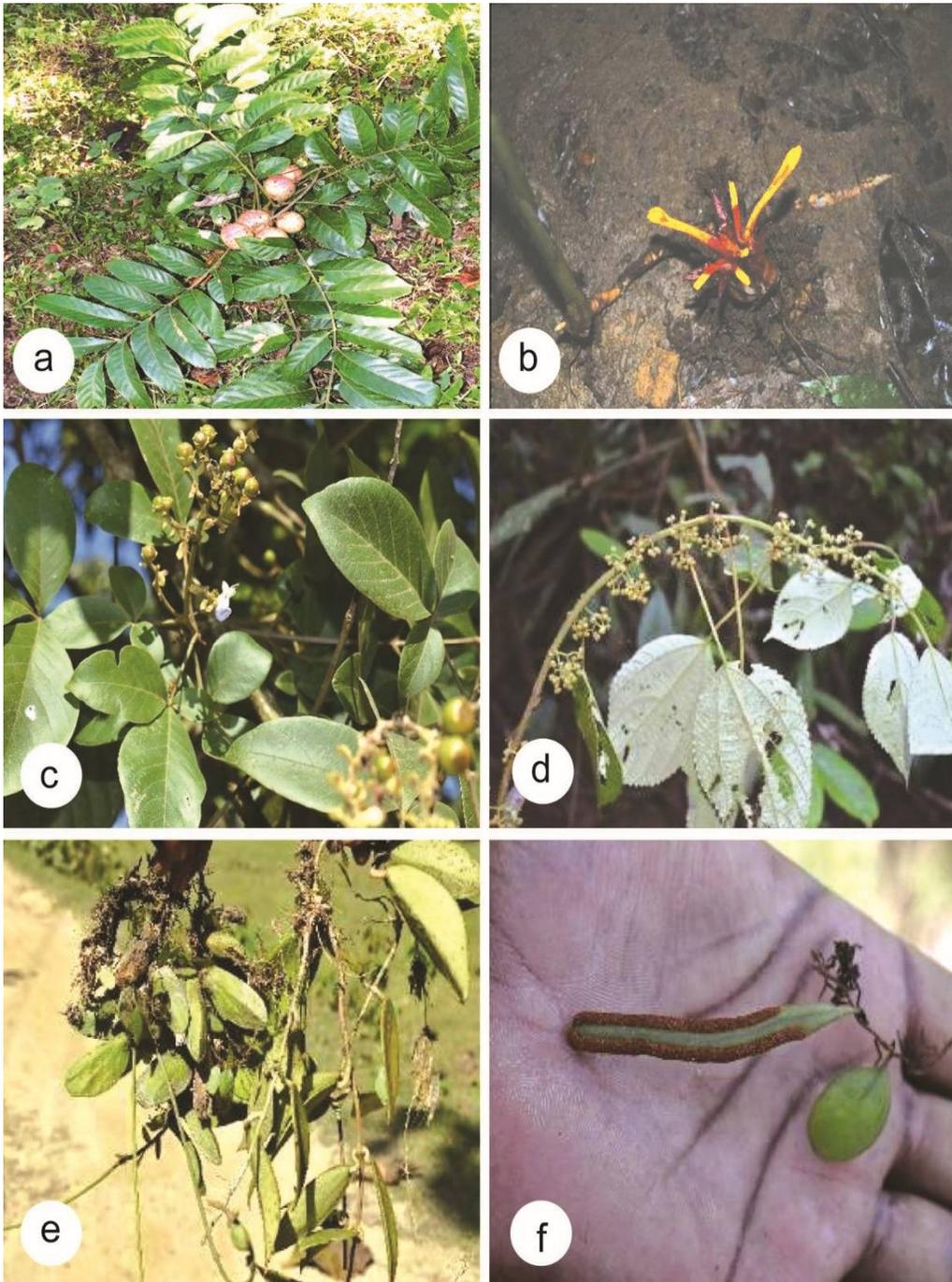


Plate 3: Rare plant species- (a) *Chisocheton cumingianus*. (b) *Etlingera linguiformis*. (c) *Vitex pinnata*. (d) *Debregeasia dentata*. (e) *Dischidia major*. (f) *Drymoglossum piloselloides*.

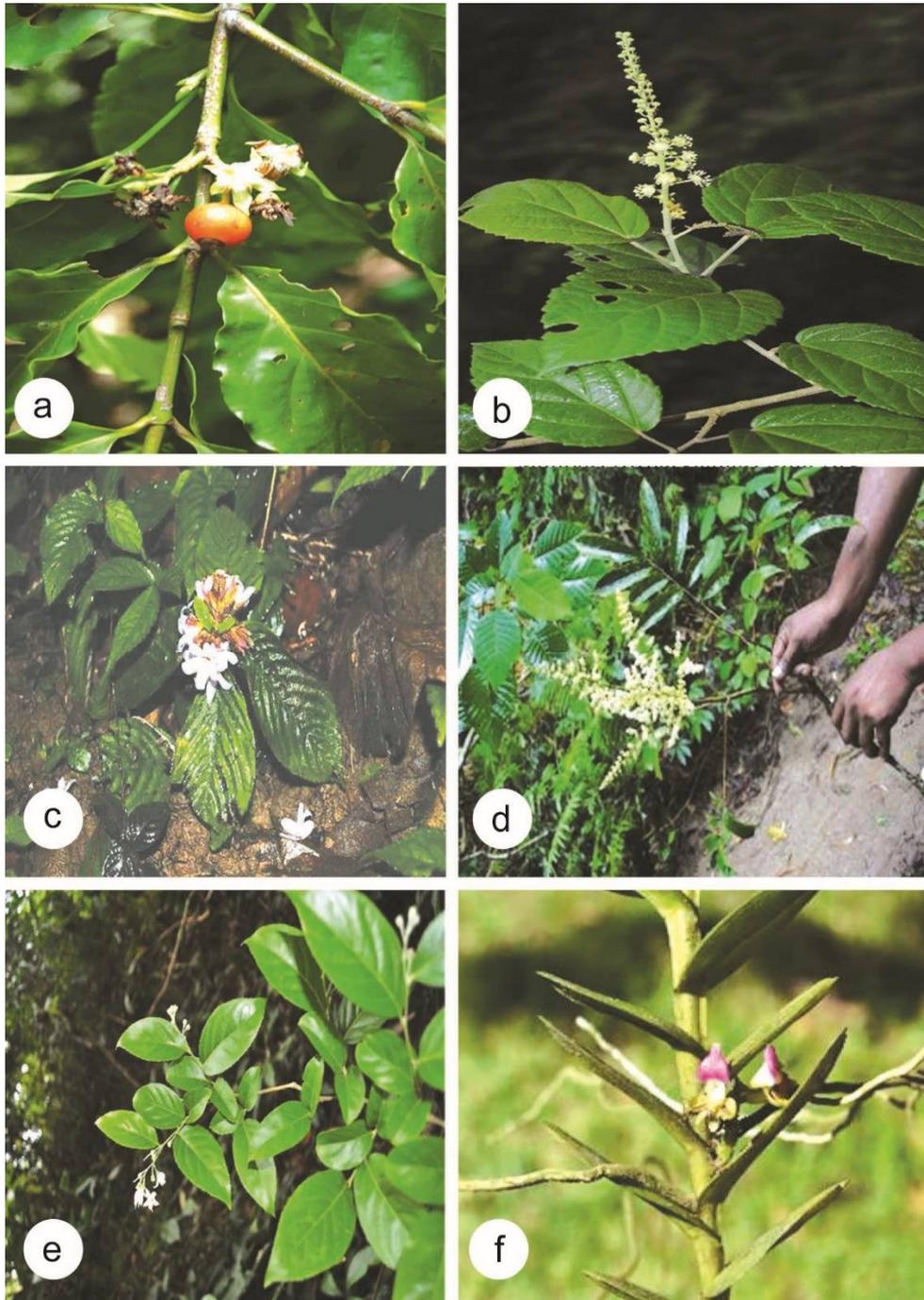


Plate 4: Rare plant species- (a) *Aidia micrantha*. (b) *Mallotus roxburghianus*. (c) *Tetrphyllum bengalense*. (d) *Meliosma pinnata*. (e) *Styrax serrulatus*. (f) *Pelatantheria insectifera*.

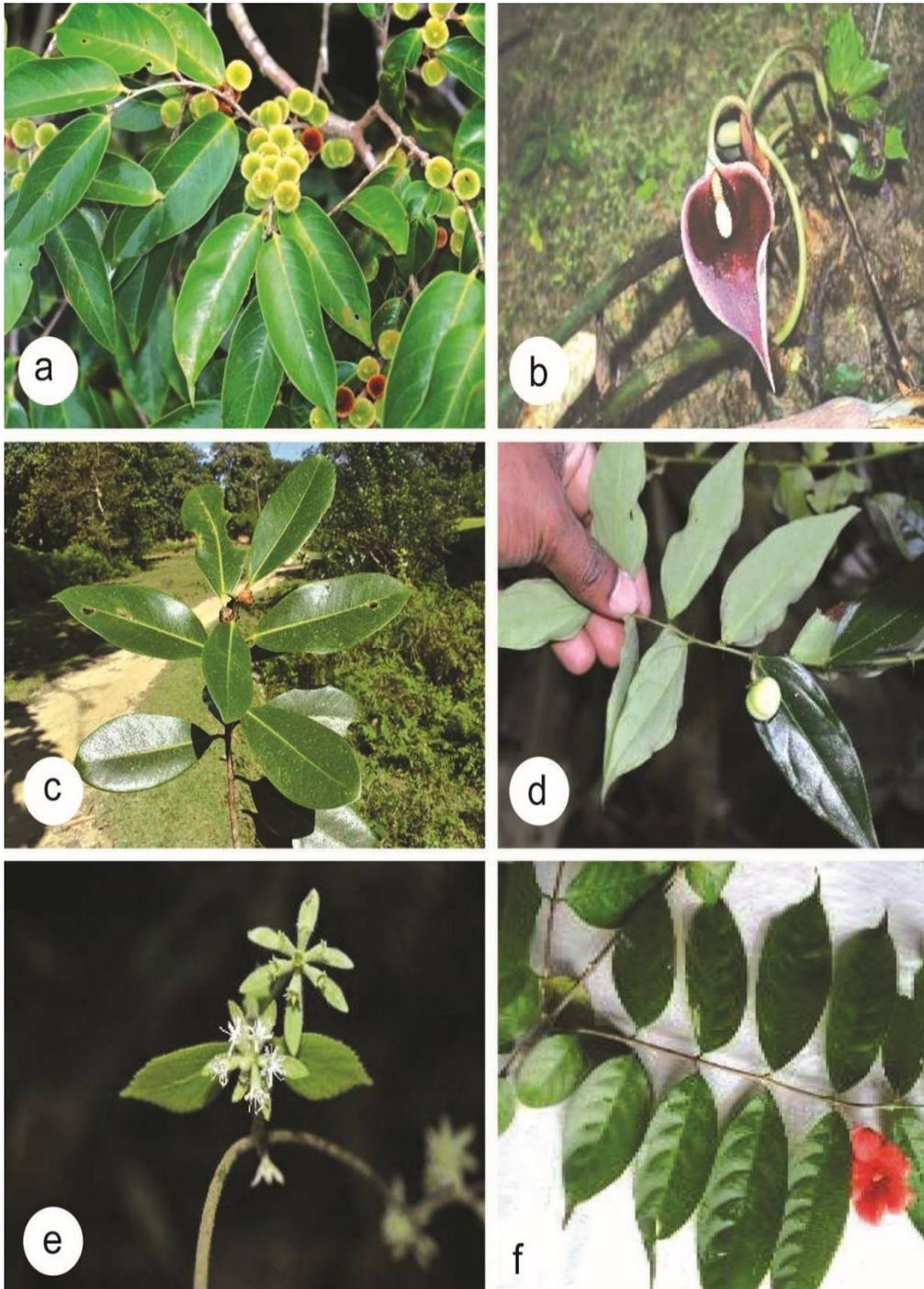


Plate 5: Rare plant species- (a) *Chaetocarpus castanocarpus*. (b) *Steudnera discolor*. (c) *Ficus microcarpa*. (d) *Sauropus trinervis*. (e) *Symphoremia involucratum*. (f) *Wrightia coccinea*.

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