

## Regular Article

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# Angiospermic Plant Diversity of Southeast Offshore Islands in Bangladesh

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## Abstract

A total of 680 angiosperm plant species under 433 genera of 115 families have been recorded from the Southeast offshore Islands of Bangladesh including Nijhum Dwip, Hatiya, Sandwip, Kutubdia, Maheshkhali, Sonadia and Saint Martin's. Magnoliopsida is represented by 92 families, 344 genera and 546 species, whereas Liliopsida is represented by 23 families, 89 genera and 134 species. Habit analysis shows that herbs, shrubs, trees and climbers were represented by 331, 117, 169 and 63 species respectively. The plant diversity of the southeast offshore islands is under great risk because of many threats including natural and manmade. The aims of the present study are investigation, accumulation and documentation of the angiosperm plants of the area.

**Key Words:** Angiosperm, flora, offshore islands, Bangladesh

## Introduction

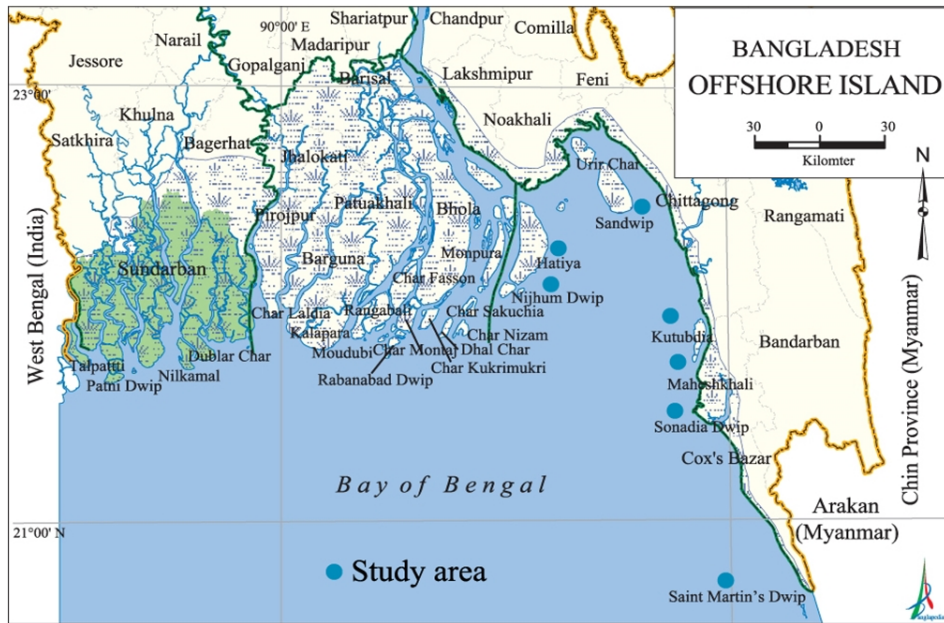
Bangladesh, mostly a flood plain delta, is a land of rivers and canals. The country is sloping gently from the north to the south, meeting the Bay of Bengal at the southern end. A large number of offshore islands have been developed of various ages in-between the Channels across the funnel-shaped and shallow northern Bay of Bengal. The combined Padma-Jamuna-Meghna river system through the Meghna estuaries brings enormous load of sediment to the offshore territory, thereby forming a series of islands. The distribution pattern of the islands is such that a majority of them have developed in the central part of the coast, running east of Tentulia River to the Feni river estuary. The region is most dynamic and intense erosion and sedimentation take place here regularly (Alam 2012). Nijhum Dwip, Hatiya, Sandwip, Kutubdia, Maheshkhali, Sonadia and Saint Martin's Island are the major old offshore con-

tinental islands of southeast part of the country (Fig. 1). Nijhum Dwip is a small island of Bay of Bengal, lies at 21°01'-22°06' N latitudes and 90°03'-91°04' E longitudes. Hatiya is an island of Noakhali district, located at 22°07'-22°35' N latitudes and 90°56'-91°11' E longitudes. Sandwip is an island of the Meghna estuary, located at 22°22'-22°34'N and 91°26'-91°34' E. Kutubdia is an island of Cox's Bazar district, located at 21°43'-21°56' N latitudes and 91°50'-91°54' E longitudes. Maheshkhali is the only hilly island of the country, located at 21°28'-21°46' N latitudes and 91°51'-91°59' E longitudes. Sonadia Island supports the last remaining remnant of mangrove forest in southeast Bangladesh, which once stretched along much of the coastline of Chittagong and Cox's Bazar, located at 21°30'18"N 91°52'59"E. In April 1999, Department of Environment (DOE) officially declared Sonadia and Saint Martin's island as Ecologically Critical area (Islam 2012). Saint Martin's island is the only coral islands of the country,

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**Fig. 1.** Map of southern Bangladesh showing studied offshore Islands (Alam 2012).

lies between 92°18'-92°21'E longitudes and 20°34'-20°39'N latitudes (Chowdhury 2012). The area enjoys tropical monsoon climatic condition like other parts of the country. The plants of the southeast offshore islands show signs of a diverse habitats, such as wetland, cultivated land, char, sand dune, homestead area, scrub jungles, fallow lands, ponds, beels, canals etc. which support luxuriant formation of angiosperms and play a crucial role in the local economy and ecosystem.

Studies on angiospermic plant diversity in the southeast offshore islands of Bangladesh have been carried out sporadically by the several workers including Khan et al. (1977, 1984, 1985), Huq and Khan (1984), Huq (1986, 1988), Patka (1987), Mia and Rahman (1990), Rashid et al. (2000), Alam and Masum (2005), Rahman et al. (2009), Sajib and Uddin (2013a, 2013b). These studies were done separately for the different islands but no specific or complete floristic study is found for the southeast offshore islands. On the other hand, the southeast offshore islands belongs to one of the country's most risk-prone areas where the plant diversity is increasingly being depleted due to bank erosion, periodic tidal waves, destruction of natural resources, and on-going and predicted adverse impacts of climate change. Therefore, there is a great need for conducting a detail floristic study throughout these southeast

offshore islands. The present study is concentrates to investigate more, accumulate and document all the angiospermic plants of the area so far recorded.

## Materials and Methods

The plant specimens have been collected, identified and documented through repeated field trips during July 2008 to October 2013 in mostly of the islands as mentioned. The total areas of these islands are about 2,869.63 sq km. The present study is based on fresh materials and previously preserved herbarium specimens of DACB (Bangladesh National Herbarium) and CTGUH (Chittagong University Herbarium). Photographs have been taken wherever necessary with a digital camera to identify and to confirm if necessary. Voucher specimens were preserved, examined and studied carefully in the taxonomic laboratory of CTGUH. Collected specimens were confirmed by comparing with herbarium specimens at CTGUH, DACB and BFRIH (Bangladesh Forest Research Institute herbarium). In some cases, standard literatures, such as Hooker (1872-1897), Prain (1903), Heinig (1925), Siddiqui et al. (2007), Ahmed et al. (2008-2009), Rashid and Rahman (2011, 2012), Pasha and Uddin (2013) were consulted for identification purposes. On the other hand, world wide

website, Catalogue of Life (2012) and The Plant List (2010) were considered for identification and recent nomenclature of some critical specimens.

## Results and Discussion

The present study has revealed a total of 680 angiosperm species under 433 genera belonging to 115 families recorded from the southeast offshore islands of Bangladesh. The genera under each family and the species under each genus with local name and habit character are arranged alphabetically (Table 1). The recorded angiosperm species, genera and families are represented by 13.76%, 25.99% and 52.51% of the total National Flora of Bangladesh respectively (Pasha and Uddin 2013). Magnoliopsida is represented by 92 families, 344 genera and 546 species, whereas Liliopsida is represented by 23 families, 89 genera and 134 species. Magnoliopsida is represented by 51.68% families and 27.32% genera whereas Liliopsida is represented by 56.09% and 21.87% of the National Flora respectively. The angiosperms genus per family, species per family and species per genus represents 3.76, 5.91 and 1.57; whereas in National Flora it is 7.60, 22.55 and 2.96 respectively (Pasha and Uddin 2013). The ratio of Dicotyledonous and Monocotyledonous plants is 4.07:1, which did not support the National Flora (2.95:1). This also indicated that representatives of the Liliopsida are much less than the Magnoliopsida when compared with the national record.

Ten species-rich families with respect to number of species and genera were Fabaceae, Poaceae, Asteraceae, Euphorbiaceae, Cyperaceae, Malvaceae, Solanaceae, Acanthaceae, Cucurbitaceae and Rubiaceae (Fig. 2).

In Magnoliopsida, Fabaceae appears to be the largest family having 57 species and 30 genera whereas, in Liliopsida, Poaceae appears to be the largest family having 40 species and 31 genera. But, Poaceae is the largest and Fabaceae is the second largest family in Bangladesh Flora. Seven angiosperm families (Poaceae, Fabaceae, Rubiaceae, Asteraceae, Cyperaceae, Euphorbiaceae and Acanthaceae) of the islands showed similarly largest among the ten dominant families as of Bangladesh Flora also. Ten dominant families comprising 273 species represent 40.15% and the remaining 105 families with a total of 407 species contribute only 59.85%.

**Table 1.** List of angiospermic plants of southeast offshore Islands in Bangladesh

Scientific name	Local name	Family	Habit
<i>Abelmoschus esculentus</i> (L.) Moench	Dheros	Malvaceae	Herb
<i>Abelmoschus moschatus</i> Medik.	Bannoderos	Malvaceae	Herb
<i>Abronia angusta</i> (L.) L.f.	Ulotkombal	Sterculiaceae	Shrub
<i>Abrus precatorius</i> L.	Hongais	Fabaceae	Climber
<i>Abutilon hirtum</i> (Lam.) Sweet*	Junka	Malvaceae	Herb
<i>Abutilon indicum</i> (L.) Sweet*	Junka	Malvaceae	Herb
<i>Abutilon theophrasti</i> Medik.	Naniapat	Malvaceae	Herb
<i>Acacia auriculiformis</i> Benth.	Akashi	Mimosaceae	Tree
<i>Acacia catechuoides</i> (Roxb.) Benth.	Khoira	Mimosaceae	Tree
<i>Acacia concinna</i> (Willd.) DC.	Banritha	Mimosaceae	Shrub
<i>Acacia farnesiana</i> (L.) Willd.	Cirkuti	Mimosaceae	Tree
<i>Acacia mangium</i> Willd.	Akashi	Mimosaceae	Tree
<i>Acacia nilotica</i> (L.) Del. subsp. <i>indica</i> (Benth.) Brenan	Babul, Baul	Mimosaceae	Tree
<i>Acalypha hispida</i> Burm.f.	Lalbahadur	Euphorbiaceae	Shrub
<i>Acalypha wilkesiana</i> Müll.Arg.	Patabahar	Euphorbiaceae	Shrub
<i>Acampe ochracea</i> (Lindl.) Hochr.	Rasna	Orchidaceae	Herb
<i>Acampe praemorsa</i> (Roxb.) Blatt. & McCann	Rasna	Orchidaceae	Herb
<i>Acanthus ilicifolius</i> L.	Hargoja	Acanthaceae	Shrub
<i>Achyranthes aspera</i> L.	Apang	Amaranthaceae	Herb
<i>Acorus calamus</i> L.	Boch	Acoraceae	Herb
<i>Adenia trilobata</i> (Roxb.) Engl.	Akandaphal	Passifloraceae	Shrub
<i>Aegialitis rutundifolia</i> Roxb.	Nuniya	Plumbaginaceae	Tree
<i>Aegiceras corniculatum</i> (L.) Blaco	Khalsi	Myrsinaceae	Tree
<i>Aegle marmelos</i> (L.) Corr.Serr.	Bel	Rutaceae	Tree
<i>Aelwropus lagopoides</i> (L.) Thwaites*	Nona Kher	Poaceae	Herb
<i>Aerides odorata</i> Lour.	Rasna	Orchidaceae	Herb
<i>Aerva sanguinolenta</i> (L.) Blume	Raktapata	Amaranthaceae	Herb
<i>Aeschynomene indica</i> L.	Katshola	Fabaceae	Shrub
<i>Aganostma dichotoma</i> K.Schum.	Malati	Apocynaceae	Climber
<i>Ageratum conyzoides</i> (L.) L.	Fulkuri	Asteraceae	Herb
<i>Aglia cucullata</i> (Roxb.) Pellegr.	Amur	Meliaceae	Tree
<i>Albizia lebeck</i> (L.) Benth.	Sirish	Mimosaceae	Tree
<i>Albizia odoratissima</i> (L.f.) Benth.	Jatkorai	Mimosaceae	Tree
<i>Albizia procera</i> (Roxb.) Benth.	Silkorai	Mimosaceae	Tree
<i>Albizia richardiana</i> (Voigt) King & Prain	Gagansirish	Mimosaceae	Tree
<i>Albizia saman</i> (Jacq.) Merr.	Boat korai	Mimosaceae	Tree
<i>Allamanda cathartica</i> L.	Ghantaphul	Apocynaceae	Shrub
<i>Allium cepa</i> L.	Piaz	Liliaceae	Herb
<i>Allium sativum</i> L.	Rashun	Liliaceae	Herb
<i>Allophylus cobbe</i> (L.) Raeuschel var. <i>serratus</i> (Roxb.) Prain*	Rakpallagota	Sapindaceae	Tree
<i>Alocasia macrorrhizos</i> (L.) G. Don	Mankachu	Araceae	Herb
<i>Alocasia odora</i> (Lindl.) K.Koch*	Hatal kachu	Araceae	Herb
<i>Aloe vera</i> (L.) Burm.f.	Gritakumari	Aloaceae	Herb
<i>Alpinia nigra</i> (Gaertn.) B.L.Burt	Tara	Zingiberaceae	Shrub
<i>Alstonia scholaris</i> (L.) R.Br.	Chatim	Apocynaceae	Tree
<i>Alternanthera paronichyoides</i> St.-Hill.	Jhulikhata	Amaranthaceae	Herb
<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Helencha, Molicha	Amaranthaceae	Herb
<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Sachishak	Amaranthaceae	Herb
<i>Alysicarpus vaginalis</i> (L.) DC.	Pannata	Fabaceae	Herb
<i>Amaranthus spinosus</i> L.	Kantamairra	Amaranthaceae	Herb
<i>Amaranthus tricolor</i> L.	Lalshak	Amaranthaceae	Herb
<i>Amaranthus viridis</i> L.	Mairra Shak	Amaranthaceae	Herb

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Amischotolype mollissima</i> (Blume) Hassk.*	Molisima	Commelinaceae	Herb
<i>Ammannia baccifera</i> L.*	Dadmari	Lythraceae	Herb
<i>Anorphophallus bulbifer</i> (Roxb.) Blume*	Jongle-ol	Araceae	Herb
<i>Anorphophallus paeoniifolius</i> (Dennst.) Nicolson*	Olkachu	Araceae	Herb
<i>Anacardium occidentale</i> L.	Kajubadam	Anacardiaceae	Tree
<i>Ananas comosus</i> (L.) Merr.	Anaros	Bromeliaceae	Herb
<i>Anisomeles indica</i> (L.) Kuntze	Gobura	Lamiaceae	Herb
<i>Annona reticulata</i> L.	Atal, Ata	Annonaceae	Tree
<i>Annona squamosa</i> L.	Sarifa	Annonaceae	Tree
<i>Aphanamixis polystachya</i> (Wall.) R. Parker	Rayna	Meliaceae	Tree
<i>Aquilaria agallocha</i> Roxb.	Agar	Thymelaeaceae	Tree
<i>Arachis hypogaea</i> L.	Chinabadam	Fabaceae	Herb
<i>Ardisia solanacea</i> Roxb.	Banjam	Myrsinaceae	Shrub
<i>Areca catechu</i> L.	Supari	Arecaceae	Tree
<i>Argyrea argentea</i> (Roxb.) Arn. ex Choisy	Bararupatola	Convolvulaceae	Shrub
<i>Argyrea capitata</i> (Vahl) Choisy	Marthalata	Convolvulaceae	Climber
<i>Argyrea nervosa</i> (Burm.f.) Bojer*	Guguli	Convolvulaceae	Climber
<i>Artocarpus heterophyllum</i> Lam.	Kathal	Moraceae	Tree
<i>Artocarpus lacucha</i> Buch.-Ham.	Barta	Moraceae	Tree
<i>Asclepias curassavica</i> L.	Kakturi, Moricha	Asclepiadaceae	Herb
<i>Asparagus racemosus</i> Willd.	Satamuli	Liliaceae	Climber
<i>Atylosia scarabaeoides</i> Benth.	Bajanlata	Fabaceae	Climber
<i>Averrhoa bilimbi</i> L.	Bilimbi	Oxalidaceae	Tree
<i>Averrhoa carambola</i> L.	Kamranga	Oxalidaceae	Tree
<i>Avicennia alba</i> Blume	Dulia baen	Verbenaceae	Tree
<i>Avicennia officinalis</i> L.	Baro baen	Verbenaceae	Tree
<i>Axonopus compressus</i> (Sw.) P. Beauv.*	Balla ghas	Poaceae	Herb
<i>Azadirachta indica</i> A. Juss.	Nim	Meliaceae	Tree
<i>Bacopa monnieri</i> (L.) Pannell	Brammishak	Scrophulariaceae	Herb
<i>Bambusa balcooa</i> Roxb.	Bora bans	Poaceae	Tree
<i>Bambusa jaintiana</i> R.B. Mazumdar	Chikon bans	Poaceae	Tree
<i>Bambusa vulgaris</i> Schrad.	Bangla bans	Poaceae	Tree
<i>Barringtonia acutangula</i> (L.) Gaertn.	Hizal	Lecythidaceae	Tree
<i>Basella rubra</i> L.	Holy, Puishak	Basellaceae	Herb
<i>Benincasa hispida</i> (Thunb.) Cogn.	Chalkumra	Cucurbitaceae	Herb
<i>Bergia ammannioides</i> Roxb. ex Roth	Keshuriya	Elatinaceae	Herb
<i>Bergia capensis</i> L.	Lal keshuriya	Elatinaceae	Herb
<i>Bixa orellana</i> L.	Japran	Bixaceae	Shrub
<i>Blumea aurita</i> (L.f.) DC.	Not known	Asteraceae	Herb
<i>Blumea fistulosa</i> (Roxb.) Kurz	Nagorsola	Asteraceae	Herb
<i>Blumea lacera</i> (Burm.f.) DC.	Kormuta	Asteraceae	Herb
<i>Blumea membranacea</i> Wall. ex DC.	Patlapata	Asteraceae	Herb
<i>Blumea mollis</i> (D. Don.) Merr.	Nilmoli	Asteraceae	Herb
<i>Boerhavia repens</i> L.	Punarnava	Nyctaginaceae	Herb
<i>Bombax ceiba</i> L.	Simul tula	Bombacaceae	Tree
<i>Bonomia semidigyna</i> (Roxb.) Hallier f.*	Chikon gand- habhaduli	Convolvulaceae	Climber
<i>Borassus flabellifer</i> L.	Tal	Arecaceae	Tree
<i>Bathriochola pertusa</i> (L.) A.Camus	Gora dubla	Poaceae	Herb
<i>Bougainvillea glabra</i> Choisy	Baganbilas	Nyctaginaceae	Shrub
<i>Bougainvillea spectabilis</i> Willd.	Baganbilas	Nyctaginaceae	Shrub
<i>Brachiaria distachya</i> (L.) Stapf	Cori ghas	Poaceae	Herb

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Brassica napus</i> L.	Sarisa, Horra	Brassicaceae	Herb
<i>Brassica oleracea</i> L.	Kapi	Brassicaceae	Herb
<i>Bridelia retusa</i> (L.) A.Juss.	Kamkoi	Euphorbiaceae	Climber
<i>Bridelia stipularis</i> (L.) Blume	Harinhara	Euphorbiaceae	Shrub
<i>Bruguiera gymnorhiza</i> (L.) Lam.	Kakra	Rhizophoraceae	Tree
<i>Buddleja asiatica</i> Lour.	Budbhota	Buddlejaceae	Shrub
<i>Butea monosperma</i> (Lam.) Taub.	Palash	Fabaceae	Tree
<i>Caesalpinia crista</i> L.	Lati kanta	Mimosaceae	Shrub
<i>Caesalpinia digyna</i> Rottler	Kochoi	Caesalpinaceae	Shrub
<i>Caesalpinia enneaphylla</i> Roxb.	Nataine	Caesalpinaceae	Climber
<i>Cajanus cajan</i> (L.) Millsp.	Arol	Fabaceae	Shrub
<i>Caladium humboldtii</i> (Raf.) Schott	Caladium	Araceae	Herb
<i>Calamus latifolius</i> Roxb.	Kerat Bet	Arecaceae	Shrub
<i>Calamus viminalis</i> Willd.	Bet	Arecaceae	Shrub
<i>Callistemon citrinus</i> (Curtis) Skeels	Bottlebrush	Myrtaceae	Tree
<i>Calophyllum inophyllum</i> L.	Hundal	Clusiaceae	Tree
<i>Calotropis gigantea</i> (L.) Ait.f.	Akand	Asclepiadaceae	Shrub
<i>Calotropis procera</i> (Aiton) Dryand	Akand, Akkan	Asclepiadaceae	Shrub
<i>Canavalia ensiformis</i> (L.) DC.	Katra shim	Fabaceae	Climber
<i>Canna indica</i> L.	Kesla	Cannaceae	Herb
<i>Canscora diffusa</i> (Vahl.) G.Don	Fusakuni	Gentianaceae	Herb
<i>Capparis horrida</i> L.f.	Hori-kalia	Capparaceae	Shrub
<i>Capsicum annum</i> L.	Mistimarich	Solanaceae	Herb
<i>Capsicum frutescens</i> L.	Marich	Solanaceae	Herb
<i>Carapa moluccensis</i> Lam.	Pashur	Meliaceae	Tree
<i>Carex indica</i> L.	Deshilick	Cyperaceae	Herb
<i>Carica papaya</i> L.	Cokia, Papa	Caricaceae	Shrub
<i>Carissa carandia</i> L.	Kormocha	Apocynaceae	Shrub
<i>Cassia fistula</i> L.	Sonalu, Honalu	Caesalpinaceae	Tree
<i>Cassytha filiformis</i> L.	Akashbel	Lauraceae	Climber
<i>Casuarina equisetifolia</i> L.	Jaw, Popan	Casuarinaceae	Tree
<i>Catharanthus roseus</i> (L.) G.Don.	Nayantara	Apocynaceae	Herb
<i>Catunavegam spinosa</i> (Thunb.) Tirveng	Beul	Rubiaceae	Shrub
<i>Cayratia trifolia</i> (L.) Domin*	Amol lata	Vitaceae	Climber
<i>Ceiba pentandra</i> (L.) Gaertn.	Kapuk	Bombacaceae	Tree
<i>Celosia argentea</i> L.	Thenthenna	Amaranthaceae	Herb
<i>Celosia cristata</i> L.	Morogful	Amaranthaceae	Herb
<i>Centella asiatica</i> (L.) Urban.	Thankuni, Adamkipata	Apiaceae	Herb
<i>Centipeda minima</i> (L.) A. Br. & Asch.	Hachuti	Asteraceae	Herb
<i>Centrostachys aquatica</i> (Roxb.) Wall.*	Thuas	Amaranthaceae	Herb
<i>Ceratophyllum demersum</i> L.	Ajla	Ceratophyllaceae	Herb
<i>Ceriops decandra</i> (Griff.) W. Theob.	Goran	Lythraceae	Tree
<i>Cestrum nocturnum</i> L.	Hasnahena, Ratkerani	Solanaceae	Shrub
<i>Cheilocostus speciosus</i> (J.Konig) C.Specht	Kew shak	Costaceae	Herb
<i>Chenopodium album</i> L.	Battashak	Chenopodiaceae	Herb
<i>Chenopodium ambrosioides</i> L.	Gandha batua	Chenopodiaceae	Herb
<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	Asamlata	Asteraceae	Herb
<i>Chrozophora rotleri</i> (Geiseler) A. Juss. ex Spreng.	Khudiphora	Euphorbiaceae	Herb
<i>Chrysopogon aciculatus</i> (Retz.) Trin.*	Bait	Poaceae	Herb
<i>Chukrasia tabularis</i> A. Juss.	Cikrasi	Meliaceae	Tree
<i>Cinnamomum tamala</i> (Buch.-Ham.) Nees & Eberm.	Tejpata	Lauraceae	Tree
<i>Cissus quadrangularis</i> L.	Harzora	Vitaceae	Climber

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Citrullus lanatus</i> (Thunb.) Matsumura & Nakai	Tarmuz	Cucurbitaceae	Climber
<i>Citrus aurantifolia</i> (Christm.) Swingle	Kagazi lebu	Rutaceae	Tree
<i>Citrus aurantium</i> L.	Kamala	Rutaceae	Tree
<i>Citrus limon</i> (L.) Burm.f.	Lebu	Rutaceae	Tree
<i>Citrus maxima</i> (Burm.f.) Merr.	Jambura, Santara	Rutaceae	Tree
<i>Citrus reticulata</i> Blanco	Komola	Rutaceae	Tree
<i>Clausena heptaphylla</i> (Roxb.) Wight. & Arn. ex Steud.	Pan mouri	Rutaceae	Shrub
<i>Cleome ruitidosperma</i> DC.	Begunehurhurey	Capparaceae	Herb
<i>Cleome viscosa</i> L.	Atha hurhuria	Capparaceae	Herb
<i>Clerodendrum indicum</i> (L.) O.Kuntze	Binekutta	Verbenaceae	Shrub
<i>Clerodendrum inerme</i> (L.) Gaertn.	Bandulpata	Verbenaceae	Shrub
<i>Clerodendrum viscosum</i> Vent.	Vat	Verbenaceae	Shrub
<i>Citoria tarnatea</i> L.	Nilkanta, Oparajita	Fabaceae	Herb
<i>Cnesmone javanica</i> Blume	Agni bichuti	Euphorbiaceae	Climber
<i>Coccinia grandis</i> (L.) Voigt	Kelakachupata	Cucurbitaceae	Climber
<i>Cocos nucifera</i> L.	Narkel	Arecaceae	Tree
<i>Codiaeum variegatum</i> (L.) Rumph. ex A. Juss.	Patabahar	Euphorbiaceae	Shrub
<i>Coix lacryma-jobi</i> L.	Sada Hongais	Poaceae	Herb
<i>Coldenia procumbens</i> L.	Tripankhi	Boraginaceae	Herb
<i>Coleus scutellarioides</i> (L.) Benth.	Patabahar	Lamiaceae	Herb
<i>Colocasia esculenta</i> (L.) Schott.	Kachu	Araceae	Herb
<i>Commelina benghalensis</i> L.	Kanaialata	Commelinaceae	Herb
<i>Commelina erecta</i> L.	Jata kanchira	Commelinaceae	Herb
<i>Commelina paludosa</i> Blume	Kanaialata	Commelinaceae	Herb
<i>Corchorus aestuans</i> L.	Nalta	Tiliaceae	Herb
<i>Corchorus capsularis</i> L.	Deshipat	Tiliaceae	Herb
<i>Corchorus olitorius</i> L.	Tushapat	Tiliaceae	Herb
<i>Cordia dichotoma</i> G. Forst.	Lachagota	Boraginaceae	Tree
<i>Coriandrum sativum</i> L.	Dhone	Apiaceae	Herb
<i>Corymbia citriodora</i> (Hook.) K.D. Hill & L.A.S. Johnson	Eucalypius	Myrtaceae	Tree
<i>Cotula hemispherica</i> Wall. ex Benth. & Hook. f.	Babuni	Asteraceae	Herb
<i>Crassocephalum crepidioides</i> (Benth.) S.Moore	Dubbecrepi	Asteraceae	Herb
<i>Cratogeomys magna</i> (Lour.) DC.	Barun	Capparaceae	Tree
<i>Crinum asiaticum</i> L.	Goron, Golrashun	Liliaceae	Herb
<i>Crotalaria acicularis</i> Buch.-Ham ex Benth. & Hook. f.	Kata jhunjhuni	Fabaceae	Herb
<i>Crotalaria dubia</i> Graham	Dabi jhunjhuni	Fabaceae	Herb
<i>Crotalaria hirta</i> Willd.	Mysuri jhunjhuni	Fabaceae	Herb
<i>Crotalaria incana</i> L.	Choto jhunjhuni	Fabaceae	Herb
<i>Crotalaria nana</i> Burm. f.	Nana jhunjhuni	Fabaceae	Herb
<i>Crotalaria pallida</i> Aiton	Jhunjhuni	Fabaceae	Herb
<i>Crotalaria prostrata</i> Roxb.	Shyaon jhunjhuni	Fabaceae	Herb
<i>Crotalaria quinquefolia</i> L.	Konka jhunjhuni	Fabaceae	Shrub
<i>Crotalaria saltiana</i> Andrews	Jhunjhuni	Fabaceae	Shrub
<i>Crotalaria spectabilis</i> Roth	Pipli jhunjhuni	Fabaceae	Shrub

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Croton bonplandianus</i> Baill.	Paglamarich	Euphorbiaceae	Herb
<i>Cucumis melo</i> L.	Bangi, Fud	Cucurbitaceae	Herb
<i>Cucumis sativus</i> L.	Sasha, Howa	Cucurbitaceae	Climber
<i>Cucurbita maxima</i> Duchesne	Mistikumra	Cucurbitaceae	Herb
<i>Cuphea hyssopifolia</i> Kunth	Panika	Lythraceae	Herb
<i>Curcuma aeruginosa</i> Roxb.	Banna halud	Zingiberaceae	Herb
<i>Curcuma longa</i> L.	Halud	Zingiberaceae	Herb
<i>Cuscuta reflexa</i> Roxb.	Sunnalata	Cuscutaceae	Climber
<i>Cyanotis cristata</i> (L.) D. Don	Kanaialata	Commelinaceae	Herb
<i>Cyanthillium cinereum</i> (L.) H. Rob.	Sialimutra	Asteraceae	Herb
<i>Cyclea barbata</i> Miers*	Patalpur	Menispermaceae	Climber
<i>Cynodon dactylon</i> (L.) Pers.	Dublakher	Poaceae	Herb
<i>Cyperus compressus</i> L.	Chancha	Cyperaceae	Herb
<i>Cyperus corymbosus</i> Rottb.*	Lambagola methi	Cyperaceae	Herb
<i>Cyperus cuspidatus</i> Kunth*	Sagarmukhi methi	Cyperaceae	Herb
<i>Cyperus difformis</i> L.	Behua ghasi	Cyperaceae	Herb
<i>Cyperus exaltatus</i> Retz.	Tata ghasi	Cyperaceae	Herb
<i>Cyperus imbricatus</i> Retz*	Barachucha ghas	Cyperaceae	Herb
<i>Cyperus iria</i> L.	Iri ghasi	Cyperaceae	Herb
<i>Cyperus pilosus</i> Vahl	Pasham kathai	Cyperaceae	Herb
<i>Cyperus platystylis</i> R. Br. *	Chapta mutha	Cyperaceae	Herb
<i>Cyperus rotundus</i> L.	Nagarmutha	Cyperaceae	Herb
<i>Cyperus tenuispica</i> Steud.	Paikamutha	Cyperaceae	Herb
<i>Cyrtococcum patens</i> var. <i>latifolium</i> (Honda) Ohwi (Trin.) Stapf	Shonpatacocca ghas	Poaceae	Herb
<i>Dalbergia sissoo</i> DC.	Sishoo	Fabaceae	Tree
<i>Dalbergia stipulacea</i> Roxb.	Dadbari	Fabaceae	Climber
<i>Dalbergia volubilis</i> Roxb.	Ankilata	Fabaceae	Climber
<i>Datura metel</i> L.	Datura	Solanaceae	Herb
<i>Daucus carota</i> L.	Gajor	Apiaceae	Herb
<i>Delonix regia</i> (Hook.) Raf.	Krisnachura	Caesalpinaceae	Tree
<i>Dendrolabium longiflora</i> (Retz.) Pers.	Not known	Fabaceae	Tree
<i>Detella repens</i> (L.) J. R. Forst & G. Forst.	Bhuiapat	Rubiaceae	Herb
<i>Detella serpyllifolia</i> Wall. ex Craib*	Sharpil bhuiapat	Rubiaceae	Herb
<i>Derris cuneifolia</i> Benth.*	Hook lata	Fabaceae	Climber
<i>Derris scandens</i> (Roxb.) Benth.	Kalilata	Fabaceae	Climber
<i>Derris trifoliata</i> Lour.*	Kallalata	Fabaceae	Climber
<i>Desmodium gangeticum</i> (L.) DC.	Chalani	Fabaceae	Shrub
<i>Desmodium heterophyllum</i> (Willd.) DC.	Bon-motorsuti	Fabaceae	Herb
<i>Desmodium triflorum</i> (L.) DC.	Kodaliya	Fabaceae	Herb
<i>Desmodium umbellatum</i> DC(L.) Benth.	Not known	Fabaceae	Tree
<i>Dieffenbachia seguine</i> (Jacq.) Schott	Patabahar	Araceae	Herb
<i>Dillenia indica</i> L.	Chalta	Dilleniaceae	Tree
<i>Dimeria ornithopoda</i> Trin.	Pakhidaimara	Poaceae	Herb
<i>Dioscorea alata</i> L.	Bangalu	Dioscoreaceae	Climber
<i>Dioscorea belophylla</i> (Prain) Voigt. ex Haines	Shora alu	Dioscoreaceae	Climber
<i>Dioscorea bulbifera</i> L.*	Aranda	Dioscoreaceae	Climber
<i>Dioscorea pentaphylla</i> L.	Banna alu	Dioscoreaceae	Climber
<i>Diospyros blancoi</i> A. DC.	Deshi gab	Ebenaceae	Tree
<i>Diospyros malabarica</i> (Desr.) Kostel.	Kassagab	Ebenaceae	Tree
<i>Dipterocarpus turbinatus</i> Gaertn.	Garjan	Dipterocarpaceae	Tree
<i>Dodonaea viscosa</i> (L.) Jacq.	Panjaphul	Sapindaceae	Tree
<i>Dopatrium junceum</i> (Roxb.) Buch.-Ham. ex Benth.	Binsowan	Scrophulariaceae	Herb

**Table 1.** Continued

Scientific name	Local name	Family	Habit
<i>Dracaena fragrans</i> (L.) Ker Gawl.	Dracina	Agavaceae	Shrub
<i>Duranta erecta</i> L.	Kantamehedi	Verbenaceae	Shrub
<i>Echinochloa colona</i> (L.) Link	Shama ghas	Poaceae	Herb
<i>Echinochloa crus-galli</i> (L.) P. Beauv.	Gobra ghas	Poaceae	Herb
<i>Eclipta prostrata</i> (L.) L.	Kalakeccha, Kesraj	Asteraceae	Herb
<i>Eichhornia crassipes</i> (Mart.) Solms	Kachuripana	Pontederiaceae	Herb
<i>Elaeis guineensis</i> Jacq.	Oilpalm	Arecaceae	Tree
<i>Elaeocarpus floribundus</i> Blume	Jalpai	Elaeocarpaceae	Tree
<i>Eleocharis acutangula</i> (Roxb.) Schult.*	Cerba	Cyperaceae	Herb
<i>Eleocharis dulcis</i> (Burm.f.) Trin. ex Hensch.*	Mishtighasi	Cyperaceae	Herb
<i>Eleocharis geniculata</i> (L.) Roem. & Schult.*	Joraghasi	Cyperaceae	Herb
<i>Elephantopus scaber</i> L.	Shamdalan	Asteraceae	Herb
<i>Eleusine indica</i> (L.) Gaertn.	Malangakuri	Poaceae	Herb
<i>Embelia ribes</i> Burm. f.	Biranga	Apiaceae	Tree
<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Sadimudi	Asteraceae	Herb
<i>Enhydra fluctuans</i> Lour.	Ihinchashak	Asteraceae	Herb
<i>Eragrostis coarctata</i> Stapf	Chikna ghas	Poaceae	Herb
<i>Eragrostis minor</i> Host	Sotokoni	Poaceae	Herb
<i>Eragrostis tremula</i> Hochst. ex Steud.	Mulakuni	Poaceae	Herb
<i>Eranthemum splendens</i> Siebert & Voss*	Ananda murali	Acanthaceae	Herb
<i>Eriocaulon luzulaefolium</i> Mart.	Luzuguccha	Cyperaceae	Herb
<i>Eriochloa procerca</i> (Retz.) C. E. Hubb.	Nolghas	Poaceae	Herb
<i>Eryngium foetidum</i> L.	Bilati Dhone	Apiaceae	Herb
<i>Erythrina fusca</i> Lour.	Mandar, Madar	Fabaceae	Tree
<i>Erythrina stricta</i> Roxb.	Teliemandar	Fabaceae	Tree
<i>Erythrina variegata</i> L.	Mandar	Fabaceae	Tree
<i>Eucalyptus camaldulensis</i> Dehnh.	Eucalyptus	Myrtaceae	Tree
<i>Euphorbia antiquorum</i> L.	Nerasij	Euphorbiaceae	Tree
<i>Euphorbia hirta</i> L.	Dudialata	Euphorbiaceae	Herb
<i>Euphorbia thymifolia</i> L.	Swetkeroi	Euphorbiaceae	Herb
<i>Euphorbia tirucalli</i> L.*	Cactus	Euphorbiaceae	Shrub
<i>Euphorbia tithymalooides</i> L.	Patabahar	Euphorbiaceae	Herb
<i>Euphorbia trigona</i> Mill.	Hiskata	Euphorbiaceae	Herb
<i>Excoecaria agallocha</i> L.	Geowa	Euphorbiaceae	Tree
<i>Ficus benghalensis</i> L.	Bat	Moraceae	Tree
<i>Ficus comosa</i> Kurz	Mosa dumur	Moraceae	Tree
<i>Ficus erecta</i> Thunb.	Ballagota	Moraceae	Shrub
<i>Ficus hispida</i> L. f.	Dumur, Bai	Moraceae	Tree
<i>Ficus racemosa</i> L.	Gajbai, Jaggodumur	Moraceae	Tree
<i>Ficus religiosa</i> L.	Asath, Jil	Moraceae	Tree
<i>Ficus rumphii</i> Blume	Jhola bot	Moraceae	Tree
<i>Ficus virens</i> Aiton	Pakar	Moraceae	Tree
<i>Fimbristylis dichotoma</i> (L.) Vahl. Subsp. Dichotoma	Joyna chech	Cyperaceae	Herb
<i>Fimbristylis miliacea</i> (L.) Vahl.	Joyna	Cyperaceae	Herb
<i>Firmiana colorata</i> (Roxb.) R. Br.	Huri	Sterculiaceae	Tree
<i>Flemingia strobilifera</i> (L.) W.T.Aiton	Simbusak phan	Fabaceae	Shrub
<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle	Khaukra	Euphorbiaceae	Shrub
<i>Foeniculum vulgare</i> P. Mill.	Pan mohuri	Apiaceae	Herb
<i>Fragaria vesca</i> L.	Strawberry	Rosaceae	Herb
<i>Freirena ciliaris</i> (L.) Roxb.	Poshmi ghasi	Cyperaceae	Herb
<i>Garcinia cova</i> Roxb. ex DC.	Kau	Clusiaceae	Tree
<i>Gardenia coronaria</i> Buch.-Ham.	Sitagach	Rubiaceae	Tree
<i>Gardenia jesminoides</i> J. Ellis	Gondoraj	Rubiaceae	Shrub

**Table 1.** Continued

Scientific name	Local name	Family	Habit
<i>Garuga pinnata</i> Roxb.	Ghogar	Burseraceae	Tree
<i>Getonia floribunda</i> Roxb.	Geton lata	Combretaceae	Shrub
<i>Glinus lotoides</i> L.	Alughas	Molluginaceae	Herb
<i>Glinus oppositifolius</i> (L.) A. DC.	Gima	Molluginaceae	Herb
<i>Glochidion multiloculare</i> Rottler ex Willd.) Voigt	Paniatori	Euphorbiaceae	Tree
<i>Glycine max</i> (L.) Merr.	Soyabean	Asteraceae	Herb
<i>Glycosmis pentaphylla</i> (Retz.) A.DC	Datmagan	Rutaceae	Tree
<i>Gmelina arborea</i> Roxb.	Gamar	Verbenaceae	Tree
<i>Gossypium arboreum</i> L.	Karpas	Malvaceae	Shrub
<i>Gossypium herbaceum</i> L.	Rui	Malvaceae	Tree
<i>Grangea maderaspatana</i> (L.) Poir.	Namuti	Asteraceae	Herb
<i>Grewia nervosa</i> (Lour.) Panigrahi	Asar	Tiliaceae	Tree
<i>Grewia tillifolia</i> Vahl	Sacson gachh	Tiliaceae	Tree
<i>Gymnema acuminatum</i> (Roxb.) Wall.	Nimakumina	Asclepiadaceae	Shrub
<i>Hedyotis scandens</i> Roxb.	Dima shak	Rubiaceae	Herb
<i>Helianthus annuus</i> L.	Surjamukhi	Asteraceae	Herb
<i>Helichrysum luteo-album</i> (L.) Rchb.	Tamamukhi	Asteraceae	Herb
<i>Heliotropium curassavicum</i> L.	Nona hatishuri	Boraginaceae	Herb
<i>Heliotropium indicum</i> L.	Hatishur	Boraginaceae	Herb
<i>Hemigraphis hirta</i> (Vahl) T. Anderson	Buripana	Acanthaceae	Herb
<i>Heritiera fomes</i> Buch.-Ham.	Sundari	Sterculiaceae	Tree
<i>Hexittia sublobata</i> (L.f.) Kuntze	Jarad kalmi	Convolvulaceae	Climber
<i>Hibiscus rosa-sinensis</i> L.	Latkonjaba	Malvaceae	Shrub
<i>Hibiscus sabdariffa</i> L.	Mesoth	Malvaceae	Herb
<i>Hibiscus schizopetalus</i> (Mast.) Hook.f.	Jhumkojoba, Orful	Malvaceae	Shrub
<i>Hibiscus tiliaceus</i> L.	Bhola	Malvaceae	Shrub
<i>Hibiscus trionum</i> L.	Tepata jaba	Malvaceae	Herb
<i>Hodgsonia macrocarpa</i> (Blume) Cogn.*	Makal, Cowyar vat	Cucurbitaceae	Climber
<i>Holarthra pubescens</i> (Buch.-Ham.) Wall. ex G. Don	Lom kurchi	Apocynaceae	Tree
<i>Homalomena aromatica</i> (Spreng.) Schott*	Kachu	Araceae	Herb
<i>Hydrilla verticillata</i> (L.f.) Royle	Kureli	Hydrocharitacea	Herb
<i>Hydrocotyle sibthorpioides</i> Lam.	Kutithankuni	Apiaceae	Herb
<i>Hydrolea zeylanica</i> (L.) Vahl*	Kasschara	Hydrophyllaceae	Herb
<i>Hygrophila auriculata</i> (Schumach.) Heine	Alicha	Acanthaceae	Herb
<i>Hygrophila difformis</i> (L.f.) Blume	Alicha	Acanthaceae	Herb
<i>Hygrophila phlomisoides</i> Nees	Filamo	Acanthaceae	Herb
<i>Hygrophila polysperma</i> (Roxb.) T. Anderson	Alai kalai	Acanthaceae	Herb
<i>Hygrophila quadrivalvis</i> (Buch.-Ham.) Nees.	Not known	Acanthaceae	Herb
<i>Hygrophila salicifolia</i> (Vahl) Nees	Bontil	Acanthaceae	Herb
<i>Hygryza aristata</i> (Retz.) Nees ex Wight & Arn.*	Jonglidhan	Poaceae	Herb
<i>Hypericum japonicum</i> Thunb.	Japani hyper	Clusiaceae	Herb
<i>Hypobathrum racemosum</i> Kurz*	Peetunga	Rubiaceae	Tree
<i>Hyptis brevipes</i> Poit.*	Gol tokma	Lamiaceae	Herb
<i>Hyptis suaveolens</i> (L.) Poit.	Tokma	Lamiaceae	Herb
<i>Ichnocarpus frutescens</i> (L.) R. Br.	Shamlata	Apocynaceae	Shrub
<i>Imperata cylindrica</i> (L.) Raeusch.	Chon	Poaceae	Herb
<i>Indigofera trita</i> L.f.	Tore methi	Fabaceae	Shrub
<i>Ipomoea alba</i> L.	Dodh kolmi	Convolvulaceae	Climber
<i>Ipomoea aquatica</i> Forssk.	Kalmi	Convolvulaceae	Climber

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Ipomoea batatas</i> (L.) Poir	Sagarna alu, Misti alu	Convolvulaceae	Herb
<i>Ipomoea fistulosa</i> Mart. ex Choisy	Dulkolmi	Convolvulaceae	Shrub
<i>Ipomoea hederifolia</i> L.	Neela kolmi	Convolvulaceae	Climber
<i>Ipomoea pes-caprae</i> (L.) R. Br.	Chhagol kuri kalmi	Convolvulaceae	Climber
<i>Ipomoea quamoclit</i> L.	Gateful	Convolvulaceae	Climber
<i>Ischaemum indicum</i> (Houtt.) Merrill.	Not known	Poaceae	Herb
<i>Ixora coccinea</i> L.	Rangon	Rubiaceae	Shrub
<i>Jasminum multiflorum</i> (Burm.f.) Andrews	Chinese Belly	Oleaceae	Shrub
<i>Jasminum sambac</i> (L.) Aiton	Belly	Oleaceae	Shrub
<i>Jasminum scandens</i> Vahl	Ban jui	Oleaceae	Shrub
<i>Jatropha curcas</i> L.	Bon verenda	Euphorbiaceae	Shrub
<i>Jatropha gossypifolia</i> L.	Lal bherenda	Euphorbiaceae	Shrub
<i>Justicia adhatoda</i> L.	Basak	Acanthaceae	Shrub
<i>Justicia gendarussa</i> Burm. f.*	Jagatmadan	Acanthaceae	Shrub
<i>Kalanchoe pinnata</i> (Lam.) Pers.	Pathorkuchi, Sibbasanta	Crassulaceae	Herb
<i>Kyllinga nemoralis</i> (J. R. Forst & G. Forst.) Dandy ex Hutchins. & Dalziel	Subasinirbisa	Cyperaceae	Herb
<i>Lablab purpureus</i> (L.) Sweet	Chai, Shim	Fabaceae	Herb
<i>Lactuca sativa</i> L.	Letuce	Asteraceae	Herb
<i>Lagenaria siceraria</i> (Molina) Standl.	Kadhu, Lau	Cucurbitaceae	Climber
<i>Lagerstroemia speciosa</i> (L.) Pers.	Jarul	Lythraceae	Tree
<i>Lamnea coromandelica</i> (Houtt.) Merr.	Badi, Kapula	Anacardiaceae	Tree
<i>Lantana camara</i> L.	Khutus kanta	Verbenaceae	Shrub
<i>Laportea interrupta</i> (L.) Chew	Bichuti, Cutra	Urticaceae	Herb
<i>Lasia spinosa</i> (L.) Thwaites*	Bonhadda	Araceae	Herb
<i>Lathyrus sativus</i> L.	Khesari	Fabaceae	Herb
<i>Launaea asplenifolia</i> (Willd.) Hook. f.	Tikadana	Asteraceae	Herb
<i>Launaea sarmentosa</i> (Willd.) Merr.*	Mentosdana	Asteraceae	Herb
<i>Lavsonia inermis</i> L.	Methi	Lythraceae	Shrub
<i>Leea crispa</i> L.	Kukura	Leeaceae	Tree
<i>Leea indica</i> Merr.	Murka, Kaiya	Leeaceae	Shrub
<i>Leea robusta</i> Roxb.	Kukurjihba	Leeaceae	Shrub
<i>Lemma perpusilla</i> Torr.*	Guri fena	Lemnaceae	Herb
<i>Lens culinaris</i> Medik.	Masur	Fabaceae	Herb
<i>Leonurus sibiricus</i> L.*	Rakta dron	Lamiaceae	Herb
<i>Lepisanthes rubiginosa</i> (Roxb.) Leenh.	Aul	Sapindaceae	Tree
<i>Lepisanthes senegalensis</i> (Poir.) Leenh.	Amjam	Sapindaceae	Tree
<i>Leucaena leucocephala</i> (Lam.) de Wit.	Ipil, Telikorai	Mimosaceae	Tree
<i>Leucas aspera</i> (Roth) Spreng.	Shetodron	Lamiaceae	Herb
<i>Leucas cephalotes</i> (Roth) Spreng	Dhrupy	Lamiaceae	Herb
<i>Leucas indica</i> (L.) R.Br. ex Vatke	Dondokalosh	Lamiaceae	Herb
<i>Leucas zeylanica</i> (L.) R. Br.	Lankadron	Lamiaceae	Herb
<i>Limnophila heterophylla</i> (Roxb.) Benth.	Patakutra	Plantaganaceae	Herb
<i>Limnophila repens</i> (Benth.) Benth.	Maittya keshori	Plantaganaceae	Herb
<i>Limnophila sessiliflora</i> (Vahl) Blume	Bijati gas	Plantaganaceae	Herb
<i>Lindernia antipoda</i> (L.) Alston	Zai ghas	Linderniaceae	Herb
<i>Lindernia crustacea</i> (L.) F. Muell.	Chapra ghas	Linderniaceae	Herb
<i>Lindernia hyssopoides</i> (L.) Haines	Sopi chapra	Linderniaceae	Herb
<i>Lindernia multiflora</i> (Roxb.) Mukerjee*	Muli chapra	Linderniaceae	Herb
<i>Lindernia pusilla</i> (Willd.) Boldingh		Linderniaceae	Herb
<i>Lindernia rotundifolia</i> (L.) Alston	Tan chapra	Linderniaceae	Herb
<i>Linum usitatissimum</i> L.	Tisi	Linaceae	Herb
<i>Lippia alba</i> (P. Mill.) N. E. Br. ex Britt. & Wilson	Shunk	Verbenaceae	Shrub

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Litchi chinensis</i> Sonn.	Lichu	Sapindaceae	Tree
<i>Lithocarpus elegans</i> (Blume) Hatus ex Soepadmo	Jat-batna	Fagaceae	Tree
<i>Litsea glutinosa</i> (Lour.) C. B. Rob.	Kukurchita	Lauraceae	Tree
<i>Litsea monopetala</i> (Roxb.) Pers.	Maggaloda	Lauraceae	Tree
<i>Ludwigia adscendens</i> (L.) Hara	Otthuas	Onagraceae	Herb
<i>Ludwigia hyssopifolia</i> (G.Don) Exell.	Panilong	Onagraceae	Herb
<i>Ludwigia octovalvis</i> (Jacq.) Raven*	Bunlong	Onagraceae	Herb
<i>Ludwigia perennis</i> L.*	Amorkura	Onagraceae	Herb
<i>Ludwigia prostrata</i> Roxb.	Shayankura	Onagraceae	Herb
<i>Luffa acutangula</i> (L.) Roxb.	Jhinga	Cucurbitaceae	Climber
<i>Luffa cylindrica</i> (L.) M.Roemer	Dundul	Cucurbitaceae	Climber
<i>Lumnitzera racemosa</i> Willd.	Kripa	Combretaceae	Tree
<i>Madhuca longifolia</i> (J. Konig ex L.) J. F. Macbr.	Mahua	Sapotaceae	Tree
<i>Maesa ramentacea</i> (Roxb.) A.DC.	Moricha	Myrsinaceae	Shrub
<i>Magnolia champaca</i> Baill ex Pierre	Chapa	Magnoliaceae	Tree
<i>Mallotus repandus</i> (Willd.) Mull. Arg.	Gunti	Euphorbiaceae	Tree
<i>Malvaviscus arboreus</i> Dill. ex Cav.	Marich jaba	Malvaceae	Shrub
<i>Mangifera indica</i> L.	Aam	Anacardiaceae	Tree
<i>Manihot esculenta</i> Crantz.	Kasava	Euphorbiaceae	Shrub
<i>Manilkara zapota</i> (L.) P. Royen	Safeda	Sapotaceae	Tree
<i>Melastoma malabathricum</i> L.	Bon tejpatha	Melastomaceae	Shrub
<i>Melia azederach</i> L.	Ghora nim	Meliaceae	Tree
<i>Melochia corchorifolia</i> L.	Tikiokra	Sterculiaceae	Tree
<i>Mentha arvensis</i> L.	Pudina	Lamiaceae	Herb
<i>Mentha viridis</i> L.	Sper pudina	Lamiaceae	Herb
<i>Merremia umbellata</i> (L.) Hallier f.	Chatakolmi	Convolvulaceae	Climber
<i>Meyna spinosa</i> Roxb. ex Link	Marbel	Rubiaceae	Tree
<i>Mikania micrantha</i> Kunth	Tuhainna lata	Asteraceae	Climber
<i>Milletia cinerea</i> Benth.	Nera milati	Fabaceae	Climber
<i>Mimosa himalayana</i> Gamble*	Boro sarmida	Mimosaceae	Shrub
<i>Mimosa pudica</i> L.	Lajjabati	Mimosaceae	Herb
<i>Mimosa elengi</i> L.	Bakul	Sapotaceae	Tree
<i>Mirabilis jalapa</i> L.	Sondhamoni	Nyctaginaceae	Herb
<i>Mitracarpus hirtus</i> (L.) DC.*	Tupi kadam	Rubiaceae	Herb
<i>Momordica charantia</i> L.	Titkorola	Cucurbitaceae	Climber
<i>Momordica cochinchensis</i> (Lour.) Sprengel	Kakrul, Akri	Cucurbitaceae	Climber
<i>Momordica dioica</i> Roxb. ex Willd.	Gheekorola	Cucurbitaceae	Climber
<i>Monochoria hastata</i> (L.) Solms.	Fena	Pontederiaceae	Herb
<i>Morinda angustifolia</i> Roxb.	Daruhrudra	Rubiaceae	Tree
<i>Morinda citrifolia</i> L.	Rangkathal	Rubiaceae	Tree
<i>Moringa oleifera</i> Lam.	Sajina	Moringaceae	Tree
<i>Mucuna gigantea</i> (Willd.) DC.	Boroalkushi	Fabaceae	Climber
<i>Mucuna pruriens</i> (L.) DC.	Alkushi	Fabaceae	Climber
<i>Murdannia nodiflora</i> (L.) Brenan	Nad murdan	Commelinaceae	Herb
<i>Murraya paniculata</i> (L.) Jack	Kamini	Rutaceae	Tree
<i>Musa acuminata</i> Colla	Anajikola	Musaceae	Herb
<i>Musa ornata</i> Roxb.	Charbikola	Musaceae	Herb
<i>Musa paradisiaca</i> L. var. sapientum L.	Attakola	Musaceae	Herb
<i>Mussaenda erythrophylla</i> Schumach. & Thonn.	Musanda	Rubiaceae	Shrub
<i>Myriophyllum tuberculatum</i> Roxb.	Kula bahupatri	Haloragaceae	Herb
<i>Najas gracillima</i> (A. Braun ex Engelm.) Magnus*	Ajla	Najadaceae	Herb
<i>Nelsonia canescens</i> (Lam.) Spreng.	Paramul	Acanthaceae	Herb
<i>Nelumbo nucifera</i> Gaertn.	Padma	Nelumbonaceae	Herb
<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Kadam	Rubiaceae	Tree

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Nerium oleander</i> L.	Sarnabati, Raktakarobi	Apocynaceae	Shrub
<i>Nicotiana plumbaginifolia</i> Viviani	Bontamak	Solanaceae	Herb
<i>Nyctanthes arbor-tristis</i> L.	Seuli	Verbenaceae	Tree
<i>Nymphaea amazonum</i> Mart. & Zucc.*	Halud sapla	Nymphaeaceae	Herb
<i>Nymphaea nouchali</i> Burm.f.	Nil sapla	Nymphaeaceae	Herb
<i>Nymphaea rubra</i> Roxb.ex Andrews*	Lal sapla	Nymphaeaceae	Herb
<i>Nymphoides hydrophylla</i> (Lour.) Kuntze*	Kachuti	Menyanthaceae	Herb
<i>Nymphoides indica</i> (L.) Kuntze	Kachuti	Menyanthaceae	Herb
<i>Nypa fruticans</i> Wurm	Golpata	Areaceae	Tree
<i>Ocimum americanum</i> L.	Banno tulsi	Lamiaceae	Herb
<i>Ocimum basilicum</i> L.	Tulsi	Lamiaceae	Herb
<i>Ocimum tenuiflorum</i> L.	Tulsi	Lamiaceae	Herb
<i>Oenanthe javanica</i> (Blume) DC.*	Pan tulsi	Apiaceae	Herb
<i>Oldenlandia biflora</i> L.	Lora papra	Rubiaceae	Herb
<i>Operculina turpethum</i> (L.) Silva Manso	Noapata	Convolvulaceae	Climber
<i>Opuntia dellenii</i> Haw.	Fonimonsha	Cactaceae	Shrub
<i>Oroxylum indicum</i> (L.) Kurz	Thona	Bignoniaceae	Tree
<i>Oryza rufipogon</i> Griff.	Uri dan	Poaceae	Herb
<i>Oryza sativa</i> L.	Dhan	Poaceae	Herb
<i>Ottolobos nodosa</i> (Kunth) Dandy*	Voyal ghas	Poaceae	Herb
<i>Oxalis corniculata</i> L.	Amrul	Oxalidaceae	Herb
<i>Pachyrhizus erosus</i> (L.) Urban	Shakalu	Fabaceae	Climber
<i>Pandanus amaryllifolius</i> Roxb.	Polao pata	Pandanaceae	Shrub
<i>Pandanus foetidus</i> Roxb.	Angiadakanta	Pandanaceae	Shrub
<i>Pandanus odorifer</i> (Forsk.) Kuntze	Keya	Pandanaceae	Tree
<i>Panicum repens</i> L.	Dhani ghas	Poaceae	Herb
<i>Paspalum vaginatum</i> Sw.	Gina ghas	Poaceae	Herb
<i>Passiflora edulis</i> Sims	Passonfal, Tangfal	Passifloraceae	Climber
<i>Pennisetum purpureum</i> Schumach.	German grass	Poaceae	Herb
<i>Pentatropis capensis</i> (L.f.) Bullock	Panch pis	Asclepiadaceae	Shrub
<i>Peperomia pellucida</i> (L.) Kunth	Heynipata	Piperaceae	Herb
<i>Persicaria hydrophylla</i> L.	Lalbiskatali	Polygonaceae	Herb
<i>Persicaria lappathifolia</i> (Schrack.) E. P. Bicknell*	Lomosh-biskat ali	Polygonaceae	Herb
<i>Persicaria orientalis</i> (L.) Spach	Biskatali	Polygonaceae	Herb
<i>Phaulopsis dorsiflora</i> (Retz.) Santapau	Paulsi	Acanthaceae	Herb
<i>Phoenix sylvestris</i> (L.) Blume	Khejur	Areaceae	Tree
<i>Phragmites karka</i> (Retz.) Trin. ex Steud.	Nolkhagra	Poaceae	Herb
<i>Phyllanthus nodiflora</i> (L.) Greene	Khai	Verbenaceae	Herb
<i>Phyllanthus acidus</i> (L.) Skeels	Horoli, Orboroi	Euphorbiaceae	Tree
<i>Phyllanthus emblica</i> L.	Amlaki	Euphorbiaceae	Tree
<i>Phyllanthus madraspatensis</i> L.	Madras amla	Euphorbiaceae	Shrub
<i>Phyllanthus niruri</i> L.	Vuiamla	Euphorbiaceae	Herb
<i>Phyllanthus reticulatus</i> Poir.	Cinkutta, Cirkuti	Euphorbiaceae	Shrub
<i>Phyllanthus sikkimensis</i> Mull.Arg.*	Sikimamla	Euphorbiaceae	Tree
<i>Physalis minima</i> L.	Futka bion	Solanaceae	Herb
<i>Piper betle</i> L.	Pan	Piperaceae	Climber
<i>Piper longum</i> L.	Pipul	Piperaceae	Herb
<i>Piper nigrum</i> L.	Golmarich	Piperaceae	Climber
<i>Piper peepuloides</i> Roxb.	Pipul	Piperaceae	Climber
<i>Piper retrofractum</i> Vahl*	Chai lata	Piperaceae	Shrub
<i>Pistia stratiotes</i> L.	Futihena	Araceae	Herb
<i>Pisum sativum</i> L.	Motorsuti	Fabaceae	Herb
<i>Pithecellobium dulce</i> (Roxb.) Benth.	Natai, Khaibabla	Mimosaceae	Tree

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Pluchea indica</i> (L.) Less.*	Mundorokha	Asteraceae	Shrub
<i>Plumeria obtusa</i> L.	Champa	Apocynaceae	Tree
<i>Plumeria rubra</i> L.	Golokchapa	Apocynaceae	Tree
<i>Pogostemon parviflorus</i> Benth.	Nagpachuli	Lamiaceae	Herb
<i>Polygonum tuberosum</i> L.	Rajanigonda	Agavaceae	Herb
<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Debdaru	Annonaceae	Tree
<i>Polygonum plebeium</i> R.Br.	Chemti sag	Polygonaceae	Herb
<i>Polytrichum indicum</i> (Houtt.) Veldkamp	Deshinila ghas	Poaceae	Herb
<i>Pongamia pinnata</i> (L.) Pierre	Kerenja	Fabaceae	Tree
<i>Porteresia coarctata</i> (Roxb.) Tateoka	Dhani ghas	Poaceae	Herb
<i>Portulaca grandiflora</i> Hook.	Noitaful	Portulacaceae	Herb
<i>Portulaca olearacea</i> L.	Nunashak	Portulacaceae	Herb
<i>Pouzolzia zeylanica</i> (L.) Benn.	Kullaruki	Urticaceae	Herb
<i>Premna esculenta</i> Roxb.*	Tatui	Verbenaceae	Tree
<i>Pseudoraphis spinescens</i> (R. Br.) Vickery*	Kantarafi ghas	Poaceae	Herb
<i>Psidium guajava</i> L.	Piara, Gayum	Myrtaceae	Tree
<i>Psophocarpus tetragonolobus</i> (L.) DC.	Kamranga chai	Fabaceae	Herb
<i>Pterospermum semisagittatum</i> Buch.-Ham. ex Roxb.	Bara asar	Sterculiaceae	Tree
<i>Punica granatum</i> L.	Dalim	Punicaceae	Tree
<i>Quisqualis indica</i> L.	Basantilata	Combretaceae	Shrub
<i>Raphanus sativus</i> L.	Mula	Brassicaceae	Herb
<i>Rauwolfia serpentina</i> (L.) Benth. ex Kurz	Swarpagontha	Apocynaceae	Shrub
<i>Rauwolfia tetraphylla</i> L.	Chata swarpagandha	Apocynaceae	Shrub
<i>Rauwolfia vomitoria</i> Afzelius*	Bon swarpagandha	Apocynaceae	Tree
<i>Rhaphidophora aurea</i> (Linden & Andre) Birdsey*	Sap lata	Araceae	Climber
<i>Rhynchosyris retusa</i> (L.) Blume.	Rasna	Orchidaceae	Herb
<i>Ricinus communis</i> L.	Veron, Verenda	Euphorbiaceae	Shrub
<i>Rorippa indica</i> (L.) Hiern	Banna horra	Brassicaceae	Herb
<i>Rosa centifolia</i> L.	Golap	Rosaceae	Shrub
<i>Rotala densiflora</i> (Roth ex Roem. & Schult.) Koenig	Mela-ghurni	Lythraceae	Herb
<i>Rotala indica</i> (Willd.) Koenig	Deshi-ghurni	Lythraceae	Herb
<i>Ruellia tuberosa</i> L.	Alughanti	Acanthaceae	Herb
<i>Rumex maritimus</i> L.*	Datipalong, Gangpalong	Polygonaceae	Herb
<i>Rumex vesicarius</i> L.	Chuai	Polygonaceae	Herb
<i>Rungia pectinata</i> (L.) Nees	Pindi	Acanthaceae	Herb
<i>Saccharum arundinaceum</i> Retz.	Tenga ghas	Poaceae	Herb
<i>Saccharum officinarum</i> L.	Kuyar, Akh	Poaceae	Herb
<i>Saccharum spontaneum</i> L.	Kasful, Kaiccha	Poaceae	Herb
<i>Sacciolepis indica</i> (L.) Chase	Sil-tattoo ghas	Poaceae	Herb
<i>Salvia splendens</i> Sellow ex Roemer & Schult.	Shumo salvia	Lamiaceae	Herb
<i>Sansevieria trifasciata</i> Prain	Sapahara	Agavaceae	Shrub
<i>Santalum album</i> L.	Chandan	Santalaceae	Tree
<i>Saraca asoca</i> (Roxb.) Willd.	Asok	Caesalpinaceae	Tree
<i>Sarcobolus globosus</i> Wall.*	Baolilata	Asclepiadaceae	Climber
<i>Schoenoplectiella erecta</i> (Poir.) Lye	Not known	Cyperaceae	Herb
<i>Schoenoplectiella supina</i> (L.) Lye	Supipotpoti ghas	Cyperaceae	Herb
<i>Schoenoplectiella triquetra</i> (L.) Palla	Not known	Cyperaceae	Herb
<i>Schoenoplectus articulatus</i> (L.) Palla*	Patpati ghasi, Cerba	Cyperaceae	Herb
<i>Schoenoplectus juncooides</i> (Roxb.) Palla*	Cerba	Cyperaceae	Herb



Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Schumannianthus dichotomus</i> (Roxb.) Gagnep.	Sitol pati	Marantaceae	Shrub
<i>Scoparia dulcis</i> L.	Mesi, Bondhone	Scrophulariaceae	Herb
<i>Senna alata</i> (L.) Roxb.	Dadmardon, Daud	Caesalpiniaceae	Shrub
<i>Senna occidentalis</i> (L.) Link.	Boro kalkasunda	Caesalpiniaceae	Shrub
<i>Senna siamea</i> (Lam.) H. S. Irwin & Barneby	Minjiri	Caesalpiniaceae	Tree
<i>Senna sophera</i> (L.) Roxb.	Kalokeshundey	Caesalpiniaceae	Shrub
<i>Senna tora</i> (L.) Roxb.	Aski	Caesalpiniaceae	Herb
<i>Sesamum indicum</i> L.	Til	Pedaliaceae	Herb
<i>Sesbania bispinosa</i> (Jacq.) W. Wight	Daincha	Fabaceae	Herb
<i>Sesbania cannabina</i> (Retz.) Pers.	Dhonchi	Fabaceae	Shrub
<i>Sesbania grandiflora</i> (L.) Pers.	Bokful	Fabaceae	Tree
<i>Sesbania sesban</i> (L.) Merr.	Hola	Fabaceae	Tree
<i>Sesuvium portulacastrum</i> (L.) L.	Sagornunia	Aizoaceae	Herb
<i>Shirakiopsis indica</i> (Willd.) Esser	Nalgoti	Euphorbiaceae	Tree
<i>Sida acuta</i> Burm. f.	Kureta, Uruia	Malvaceae	Herb
<i>Sida cordata</i> (Burm. f.) Waalkes	Pitberal	Malvaceae	Herb
<i>Sida cordifolia</i> L.	Shet-berela	Malvaceae	Herb
<i>Sida rhombifolia</i> L.	Lalberela	Malvaceae	Shrub
<i>Smilax ovalifolia</i> Roxb. ex D. Don	Kumairra lata	Smilacaceae	Climber
<i>Solanum indicum</i> L.	Indi begun	Solanaceae	Herb
<i>Solanum lycopersicum</i> L.	Khorobion, Tomato	Solanaceae	Herb
<i>Solanum melongena</i> L.	Begun	Solanaceae	Herb
<i>Solanum myriacanthum</i> Dunal*	Tikbion	Solanaceae	Shrub
<i>Solanum nigrum</i> L.	Putibegun	Solanaceae	Herb
<i>Solanum sisymbirifolium</i> Lam.	Kantabegun	Solanaceae	Shrub
<i>Solanum torvum</i> Sw.	Titbion	Solanaceae	Shrub
<i>Solanum tuberosum</i> L.	Goal Alu	Solanaceae	Herb
<i>Solanum violaceum</i> Ortega	Phutki	Solanaceae	Shrub
<i>Solanum virginianum</i> L.*	Bannabion	Solanaceae	Herb
<i>Sonneratia apetala</i> Buch.-Ham.	Keowra, Kerpa	Sonneratiaceae	Tree
<i>Sonneratia caseolaris</i> (L.) Engl.	Ora	Sonneratiaceae	Tree
<i>Spermacoce articulata</i> L.f.	Atharogia	Rubiaceae	Herb
<i>Sphaeranthus africanus</i> L.	Gongasag	Asteraceae	Herb
<i>Sphaeranthus indicus</i> L.	Indisag	Asteraceae	Herb
<i>Sphenoclea zeylanica</i> Gaertn.*	Zil-morich	Sphenocleaceae	Herb
<i>Spilanthes acmella</i> (L.) L.	Mariccha	Asteraceae	Herb
<i>Spinacia oleracea</i> L.	Palongshak	Chenopodiaceae	Herb
<i>Spirodela polyrrhiza</i> (L.) Schleid.*	Fena	Lemnaceae	Herb
<i>Spondias pinnata</i> (L. f.) Kurz	Amra	Anacardiaceae	Tree
<i>Sporobolus tremulus</i> (Willd.) Kunth	Jola durba	Poaceae	Herb
<i>Stephania japonica</i> (Thunb.) Miers	Musarralata, Cilihista	Menispermaceae	Climber
<i>Sterculia foetida</i> L.	Keron	Sterculiaceae	Tree
<i>Sterculia versicolor</i> Wall.	Ranga udal	Sterculiaceae	Tree
<i>Stereospermum chelonoides</i> (L.f.) DC.	Dharmara	Bignoniaceae	Tree
<i>Stuednera colocasifolia</i> K. Koch*	Biskachu	Araceae	Herb
<i>Streblus asper</i> Lour.	Horma, Horba	Moraceae	Tree
<i>Stricotardia tiliifolia</i> (Desr.) Hallier f.	Not known	Convolvulaceae	Climber
<i>Strophanthus wallichii</i> Dence.	Trophan	Apocynaceae	Shrub
<i>Suaeda maritima</i> (L.) Dumort.	Sagorsuda	Chenopodiaceae	Shrub
<i>Suaeda nodiflora</i> Moq.	Girasuda	Chenopodiaceae	Herb
<i>Suregada multiflora</i> (A. Juss.) Baill.	Ban-naranga	Euphorbiaceae	Tree
<i>Svetetenia mahagoni</i> (L.) Jacq.	Mehagoni	Meliaceae	Tree

Table 1. Continued

Scientific name	Local name	Family	Habit
<i>Synedrella nodiflora</i> (L.) Gaertn.	Relanodi	Asteraceae	Herb
<i>Syzygium cumini</i> (L.) Skeels	Butigajam	Myrtaceae	Tree
<i>Syzygium fruticosum</i> (Roxb.) DC.	Kawyagajam	Myrtaceae	Tree
<i>Syzygium jambos</i> (L.) Alston	Golapjam	Myrtaceae	Tree
<i>Syzygium samarangense</i> (Blume) Merr. & L. M. Perry	Jamrul, Amburuj	Myrtaceae	Tree
<i>Tabernaemontana divericata</i> (L.) R. Br. ex Roemer & Schult.	Tagar	Apocynaceae	Shrub
<i>Tadehagi triquetrum</i> subsp. <i>alatum</i> (DC.) H. Ohashi	Kanimanda	Fabaceae	Shrub
<i>Tagetes erecta</i> L.	Haludgenda	Asteraceae	Herb
<i>Tagetes patula</i> L.	Lalgenda	Asteraceae	Herb
<i>Tamarindus indica</i> L.	Tetul	Caesalpiniaceae	Tree
<i>Tamarix gallica</i> L.*	Bonjhau	Tamaricaceae	Tree
<i>Tamarix indica</i> Willd.	Nona jau	Tamaricaceae	Tree
<i>Tectona grandis</i> L.f.	Segun	Verbenaceae	Tree
<i>Tephrosia purpurea</i> (L.) Pers.	Bon-nil	Fabaceae	Shrub
<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Arjun	Combretaceae	Tree
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Bahera	Combretaceae	Tree
<i>Terminalia catappa</i> L.	Katbadam	Combretaceae	Tree
<i>Terminalia chebula</i> (Gaertn.) Roxb.	Horitoki	Combretaceae	Tree
<i>Tetrastigma bracteolatum</i> (Wall.) Planch.	Golgilata	Vitaceae	Climber
<i>Thespesia populnea</i> (L.) Soland. ex Correa	Balai	Malvaceae	Tree
<i>Thevetia peruviana</i> (Pers.) K. Schum.	Gatika	Apocynaceae	Tree
<i>Thunbergia grandiflora</i> Roxb.	Bans lata	Acanthaceae	Climber
<i>Thysanolaena maxima</i> (Roxb.) Kuntze	Phuljharu	Poaceae	Herb
<i>Tinospora cordifolia</i> (Willd.) Miers	Gulanch, Amburuj lata	Menispermaceae	Climber
<i>Tournefortia roxburghii</i> C. B. Clarke	Roxyturny	Boraginaceae	Shrub
<i>Trapa bispinosa</i> Roxb.	Hinguitta	Trapaceae	Herb
<i>Trema cannabina</i> Lour.	Not known	Ulmaceae	Tree
<i>Trema orientalis</i> (L.) Blume	Chikon	Ulmaceae	Tree
<i>Trichosanthes anguina</i> L.	Cicinda	Cucurbitaceae	Climber
<i>Trichosanthes dioica</i> Roxb.	Patal	Cucurbitaceae	Climber
<i>Trichosanthes tricuspidata</i> Lour.*	Makal, Cowary vat	Cucurbitaceae	Climber
<i>Tridax procumbens</i> (L.) L.	Tridhara	Asteraceae	Herb
<i>Triumfetta rhomoides</i> Jacq.	Bonokra	Tiliaceae	Shrub
<i>Tylophora indica</i> (Burm.f.) Merr.	Anontomul	Asclepiadaceae	Shrub
<i>Tylophora tenuissima</i> (Roxb.) Wight & Arn.	Nishimul	Asclepiadaceae	Shrub
<i>Typha domingensis</i> Pars.	Daripata	Typhaceae	Herb
<i>Typha elephantina</i> Roxb.	Daripata	Typhaceae	Herb
<i>Uraria rufescens</i> (DC.) Schindl.	Belai leja	Fabaceae	Shrub
<i>Urena lobata</i> L.	Jangligagra	Malvaceae	Shrub
<i>Urena sinuata</i> L.	Atapuran	Malvaceae	Shrub
<i>Utricularia aurea</i> Lour.	Jhangi	Lentibulariaceae	Herb
<i>Vanda tessellata</i> (Roxb.) Hook. f. ex G. Don	Rasna	Orchidaceae	Herb
<i>Vernonia divergens</i> (DC.) Edgew.	Bichchutiverno	Asteraceae	Shrub
<i>Vigna adenantha</i> (G. Mey) Marechal & al.	Bon barboti	Fabaceae	Herb
<i>Vigna mungo</i> (L.) Hepper	Maskolai	Fabaceae	Herb
<i>Vigna radiata</i> (L.) R. Wilczek	Mug	Fabaceae	Herb
<i>Vigna unguiculata</i> (L.) Walp.	Barboti, Lairachai	Fabaceae	Herb
<i>Viscum monoicum</i> Roxb. ex DC.	Bhanda	Loranthaceae	Shrub

**Table 1.** Continued

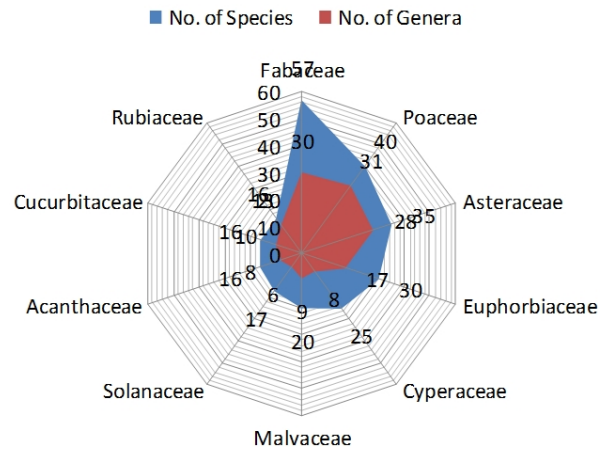
Scientific name	Local name	Family	Habit
<i>Vitex negundo</i> L.	Nishinda, Ninda	Verbenaceae	Shrub
<i>Vitex trifolia</i> L.	Nishinda	Verbenaceae	Shrub
<i>Vitis vinifera</i> L.	Angur	Vitaceae	Herb
<i>Wahlenbergia hirsuta</i> (Edgew.) Tuyen	Pshamnakphul	Campanulaceae	Herb
<i>Wahlenbergia marginata</i> (Thunb.) A. DC.	Kardi	Campanulaceae	Herb
<i>Wedelia chinensis</i> (Osbeck) Merr.	Vimraj	Asteraceae	Herb
<i>Withania somnifera</i> (L.) Dunal	Arshagonda	Solanaceae	Shrub
<i>Woodfordia fruticosa</i> (L.) Kurz	Rangkat	Lythraceae	Shrub
<i>Xanthium indicum</i> J. König, ex Roxb	Gagra	Asteraceae	Herb
<i>Xylocarpus granatum</i> J. Koenig	Dhundal	Meliaceae	Tree
<i>Youngia japonica</i> (L.) DC.	Youngaphul	Asteraceae	Shrub
<i>Zea mays</i> L.	Janora, Vutta	Poaceae	Herb
<i>Zingiber montanum</i> (J. König) Link ex A. Dietr.	Banna ada	Zingiberaceae	Herb
<i>Zingiber officinale</i> Roscoe	Ada	Zingiberaceae	Herb
<i>Zingiber zerumbet</i> (L.) Roscoe ex Sm.	Boj	Zingiberaceae	Herb
<i>Ziziphus mauritiana</i> Lam.	Barai	Rhamnaceae	Tree
<i>Ziziphus oenoplia</i> (L.) Mill.	Bonboroi	Rhamnaceae	Shrub
<i>Zornia diphylla</i> (L.) Pers.	Zornia	Fabaceae	Herb
<i>Zoysia matrella</i> (L.) Merr.	Latakher	Poaceae	Herb

\*indicated newly recorded wild angiosperm species in southeast offshore island flora of Bangladesh.

It is evident that *Cyperus* is the largest genus containing 11 species followed by *Crotalaria* (10 sp.), *Solanum* (10 sp.), *Ficus* (8 sp.) and *Ipomoea* (7 sp.) respectively (Table 2). But in Bangladesh Flora, it is *Ficus* (61 sp.), *Cyperus* (51 sp.), *Dendrobium* (43 sp.), *Syzygium* (36 sp.) and *Fimbristylis* (34 sp.) respectively (Pasha and Uddin 2013).

Habit wise itemization of plant species shows that 48.67% of the total species represented by herbs, 17.20% by shrubs, 24.85% trees and 9.26% climbers. Herbaceous plants are dominating over trees, shrubs and climbers. The angiospermic plants which found naturally or growing wild represented by 64.71% species and the remaining cultivated or planted were 35.29% species. The diversity of wild species is higher than the cultivated one. The plant diversity of the offshore islands is represented by 92.79% terrestrial, 6.47% aquatic and 0.74% epiphytic species.

The homestead cultivated plants are the dominant floristic composition and coverage of the islands. The trees which are most common and occupied the major canopy of the islands are *Albizia saman*, *A. procera*, *Acacia nilotica*, *Areca catechu*, *Artocarpus heterophyllus*, *Borassus flabellifer*, *Calophyllum inophyllum*, *Cocos nucifera*, *Dillenia indica*, *Ficus*



**Fig. 2.** Raddar diagram showing the ten species-rich angiosperm families in southeast offshore Islands of Bangladesh.

**Table 2.** List of ten dominant angiosperm genera in southeast offshore islands and national flora of Bangladesh

Southeast offshore islands		National Flora	
Genera	No. of species	Genera	No. of species
<i>Cyperus</i>	11	<i>Ficus</i>	61
<i>Crotalaria</i>	10	<i>Cyperus</i>	51
<i>Solanum</i>	10	<i>Dendrobium</i>	43
<i>Ficus</i>	8	<i>Syzygium</i>	36
<i>Ipomoea</i>	7	<i>Fimbristylis</i>	34
<i>Acacia</i>	6	<i>Ipomoea</i>	34
<i>Euphorbia</i>	6	<i>Crotalaria</i>	28
<i>Hygrophila</i>	6	<i>Euphorbia</i>	25
<i>Lindernia</i>	6	<i>Dalbergia</i>	24
<i>Phyllanthus</i>	6	<i>Strobilanthes</i>	24

*racemosa*, *Lepisanthes rubiginosa*, *Mangifera indica*, *Phoenix sylvestris*, *Pithecellobium dulce*, *Swietenia mahagoni*, *Sterculia foetida*, *Terminalia arjuna*, *T. catappa*, *Thespesia populnea* and *Zizyphus mauritiana*. Most commonly cultivated crops are *Arachis hypogaea*, *Capsicum frutescens*, *Citrullus lanatus*, *Cucurbita maxima*, *Ipomoea batatas*, *Lathyrus sativus*, *Lagenaria siceraria*, *Oryza sativa*, *Piper betle*, *Solanum melongena*, *S. lycopersicum* and *S. tuberosum*. The scrub vegetation consists of *Mikania micrantha*, *Chromolaena odorata*, *Lantana camara* and *Calamus viminalis*. The char land area is dominated by *Aeluropus lagopoides*, *Heliotropium curassavicum*, *Porteresia coarctata* and *Zoysia matrella*.

Major aquatic vegetation of the islands is represented by

*Alternanthera philoxeroides*, *Centrostachys aquatica*, *Eichhornia crassipes*, *Enhydra fluctuans*, *Hygrophila auriculata*, *Hygroryza aristata*, *Ipomoea aquatica*, *Lemma perpusilla*, *Monochoria hastata*, *Pistia stratiotes*, *Sphenoclea zeylanica* and *Spirodela polyrhiza* respectively. Sand dune vegetation consists of *Clerodendrum inerme*, *Ipomoea pes-caprae*, *Pandanus foetidus*, *Vitex trifolia* and *V. negundo*. Common epiphytic orchid plants of the islands are *Acampe ochracea*, *A. praemorsa*, *Rhynchostylis retusa* and *Vanda tessellata*.

The characteristics vegetation of the islands is evergreen nature. Very few plants like *Albizia* spp., *Bombax* sp., *Cassia fistula*, *Erythrina fusca*, *Terminalia* spp., *Zizyphus mauritiana* which are deciduous, sometimes alter the evergreen nature of the island. The open places outside the homestead areas are mostly occupied by crop cultivation. So, for dependency of cash crops people always clear the lands for cultivation. These activities enhanced the degradation of plant diversity in the islands. The large number of domestic animals also heavily depended on forage plants for grazing, which also alter the vegetation. Outside the homestead areas the plant diversity dominated by mangrove plants. Mangrove forests of the islands represented by *Acanthus ilicifolius*, *Aegialitis rufundifolia*, *Avicennia alba*, *A. officinalis*, *Bruguiera gymnorhiza*, *Ceriops decandra*, *Derris scandens*, *Excoecaria agallocha*, *Sarcobolus globosus*, *Sonneratia apetala*, *Tamarix indica* and *Xylocarpus moluccensis*. Threatened plants are *Aquilaria agallocha*, *Calamus latifolius*, *Rauwolfia serpentina*, *Stuednera colocasiifolia*, *Pterospermum semisagittatum* and *Tournefortia roxburghii* (Khan et al. 2001).

The records of the southeast offshore island's flora of Bangladesh resulted Khan et al. (1984) were 137 species from the St. Martin Island, Huq and Khan (1984) 149 species and Rashid et al. (2000) 151 species from the Maheshkhali island. Huq (1986) recorded 91 species from the Kutubdia Island. Further Huq (1988) reported 98 species and Rahman et al. (2009) 28 edible fruits angiosperm species from the Hatiya Island. Khan et al. (1977) recorded 12 species from the Sonadia Island. On the other hand, Khan et al. (1985) reported 37 species and Patka (1987) only 10 species from the Nijhum Dwip. Recently, Alam and Masum (2005) reported 142 homestead angiosperm species, Sajib and Uddin (2013a) 108 angiosperm medicinal plant species and Sajib and Uddin (2013b) 75 angiosperm edible fruits species from the Sandwip Island. In compar-

ison to the earlier records of the southeast offshore island flora the present recorded angiosperm diversity is much higher. 69 wild angiospermic plant species newly recorded from the present study which was not previously recorded from any of the offshore islands of south east Bangladesh (Table 1). This recorded species claims as of exhaustive but not complete. More works on Poaceae, Cyperaceae, Convolvulaceae, Asclepiadaceae and Araceae family will add some more species with this list. Because many of the ephemeral species might be missed during the study. So, frequent visits are needed to records those ephemeral species.

Over the last few decades few attempts have been made in the floristic studies in Bangladesh, particularly in the flood plain delta (Rahman et al. 2013; Sajib et al. 2014). Sajib et al. (2014) recorded 345 angiosperm species from the Subarnachar upazila of Noakhali and Rahman et al. (2013) recorded 240 angiosperm species from the Sadar Upazila of Munshiganj district in Bangladesh. The recorded angiosperm species is lower than the southeast offshore island's flora of Bangladesh.

Plant diversity of the southeast offshore islands is under great risk because of many threats (i.e. bank erosion, high tide, low tide, excessive rainfall, periodic tidal waves, destruction of homestead vegetation, introduction of exotic species, agricultural extension, drought and intensive grazing by domestic animals) which have been identified based on the field observations and discussion with local people during the field visits. It is very indispensable to document the angiosperm plant species before their disappearing and to recommend a suitable conservation strategy to conserve the plant biodiversity of the area in future.

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