



## An updated checklist of the macrophytes of Chilika Lagoon, its uninhabited islands and shoreline

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### ABSTRACT

Chilika, the largest brackish water lagoon of Asia and the largest wintering ground of migratory birds in Indian sub-continent, is situated in coastal Odisha along the east coast of India. The biological diversity of plants of Chilika lagoon and its adjoining regions has been studied by several workers in the past but complete inventory of plant resources of this important Ramsar site has so far not been done. Based on exhaustive and multi-seasonal survey of the lagoon, its shoreline and uninhabited islands under the Integrated Coastal Zone Management Project from 2012-2020 and earlier studies by the present authors and others, an updated checklist of 884 species of flowering plants belonging to 537 genera and 130 families has been prepared and presented in this paper. Out of this, 80 species are reported here for the first time from Chilika lagoon and its adjoining regions. For each species, correct botanical name, family, local name (wherever available), flowering and fruiting time and locality of collection have been provided in the list.

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## 1. Introduction

Studded like a zircon on the golden stretch of eastern seacoast of Orissa in India, Chilika lagoon is a unique assemblage of marine, brackish and fresh water eco-systems with estuarine characters. It was included as one of the first two wetlands of India under the Ramsar Convention in 1981 based on its unique biodiversity and socio-economic importance. The lagoon is an avian wonderland and a staging and wintering ground for more than 210 species of resident and migratory birds including many endangered taxa. Situated between 19° 28' and 19° 54' N latitude and 85° 05' and 85° 38' E longitude, Chilika is the largest brackish water lagoon in the east coast of India. This tropical wetland is

a pear-shaped water body that runs parallel to the Bay of Bengal and is separated from it by a long barrier spit. The lagoon is connected to the sea through a long, constricted inlet channel with a comparatively smaller inlet. It also receives fresh water from 52 river and rivulets, which attribute to its brackish and estuarine character. The water-spread area of Chilika varies between 1165 sq.kms during monsoon to 906 sq.kms in summer. The lagoon can be broadly divided into four ecological zones, (i) the southern zone, (ii) the central zone, (iii) the northern zone and (iv) the outer channel.

Chilika has a typical physiographic feature experiencing the dynamics of the coastal processes along with the riverine interface. Wave, current and tide, along with storms are the

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coastal processes, responsible for shoreline characteristics and coastal morphology. Chilika belongs to the category of micro-tidal coasts as it experiences tidal variation of less than 2 m, and as such, barrier island, sandy beach and beach ridges characterise the ecosystem. The area experiences a typically tropical monsoon climate with an average annual maximum and minimum temperature of 38.0 °c and 14.5 °c respectively. May is the hottest month of the year. It receives maximum rainfall by the influence of southwest monsoon during June to September and moderate rains by the northeast monsoons in November- December. The average annual rainfall of 1712 mm. is recorded at Satapada.

The relative humidity at Satapada was observed to be high due to its proximity to the seacoast and ranges from 39 to 96 % during different seasons of the year. The wind velocity is normally high during summer and low in winter. The wind mostly blows from north and northeasterly direction during October to February and from southerly and southwesterly direction during the period March-September.

The principal rock types encountered in and around Chilika are khondalites, unclassified granites and gneisses, charnockites, anorthosites, granulites, laterites and alluvium. The khondalites are essentially garnet-sillimanite schists with varying quantities of garnet as well as some quartz and feldspar. The soil of the catchment area of Chilika lagoon have been classified under the following broad soil groups (i) Red soils (Alfisols) (ii) Laterite soils (iii) Black soils (Vertisols) (iv) Brown forest soils and (v) Alluvial soils

Hydrologically, Chilika is influenced by three systems viz. Mahanadi river system, drainage from western catchments and the Bay of Bengal. The lagoon derives its estuarine character due to the fresh water inflow from as many as 52 rivers and rivulets. The salinity levels show marked variations with time and space. The northern and a part of the central sector as well as the outer channel turn into fresh water during the monsoon season. The southern sector remains almost mesohaline throughout the year and in outer channel and central sector the change of salinity level is quite abrupt. After opening of a new mouth in 2000 opposite to the village Sipakuda at a distance of 7.262 km from Satapada, there has been a marked improvement in the exchange of water between the sea and the lagoon and the salinity regime of the lagoon has been restored.

## 2. Past studies on flora and vegetation

Chilika lagoon, a unique tropical wetland with estuarine characters, has been a subject of study for a number of workers over last hundred years and provided an excellent

opportunity for study of different aspects like hydrology, limnology, ecology, geomorphology, flora, fauna, fisheries etc.

Gupta and Khandelwal (1990, 1992, 1999), Khandelwal and Gupta, 1993, 1994) and Khandelwal *et al.* (2008) by use of fine resolution palynostratigraphy attempted to reconstruct the past mangrove vegetation of Chilika. Analysis of the pollen from a 5.5-meter deep profile from Balugaon they reported the existence of both core mangroves and the mangrove associates some 3100 years before present. They concluded that the mangrove associates dominated the area and the core mangroves were less diverse and sparsely distributed. The overall dominance of the pollens of the core mangrove taxa, viz., *Rhizophora*, *Ceriops*, *Bruguiera* and *Kandelia* were observed at a depth of 5.50-4.40m of the core sample. From this finding, they inferred that this zone originated some 700 years before present. Similarly, the mangrove associates like *Avicennia*, *Excoecaria*, *Acanthus*, *Lumnitzera*, *Terminalia*, etc. existed some 300 years before present. They had attributed the degradation and the subsequent disappearance of the mangroves due to the fluctuation of the water level leading to the recession in the tidal magnitude and at the same time increase in the fresh water discharge and biotic pressure.

Though the algae, diatoms and other algal forms occurring in Chilika have been studied in detail, no concerted attempt has yet been made to survey and document the higher plants of this region. Published literature on floristic study of this important wetland is scanty. While describing the fauna of the lagoon, Annandale & Kemp (1915) and Annandale (1922) have discussed about the vegetation and dominant plant species occurring in Chilika and its uninhabited islands. Biswas (1932) also made a brief mention of the dominant aquatic angiosperms and terrestrial plants inhabiting the islands while describing the algal flora. Narayanswami & Carter (1922) have supplemented this with an enumeration of 142 species of flowering plants and ferns occurring in Badakuda island alone. Haines (1921-1925) and Mooney (1950) have cited Chilika as locality of occurrence for few plant species in their treatise largely based on the collections of Dr. Alcock, Hooper, Prain's collector, Prof. P. Parija and his colleagues. Patnaik (1973 & 1980) studied the qualitative and quantitative distribution of the dominant submerged phanerogams in different parts of the lagoon in relation to different seasons, salinity levels, bathymetry, character of the substratum and other physico-chemical characteristics of the water. He dealt with the distribution of five important macrophytes viz. *Potamogeton pectinatus*, *Najas foveolata*, *Halophila ovalis*, *Ruppia maritima* and *Halophila beccarii* and discussed about the methods of utilization of these aquatic plants. An ecological analysis of

the strand vegetation of Orissa coast in general, including that of Chilika was made by Rao & Mukherjee (1975). Paul *et al.* (1980) published a note on the occurrence and distribution of five interesting plant species from the lagoon and its vicinity including *Rhamnus prostrata*, *Grewia bracteata* (= *Grewia obtusa*) and *Ludwigia hyssopifolia*. Based on the study of specimens available in different Indian herbaria, Mishra *et al.* (1983) reported the occurrence of three species namely, *Neptunia triquetra*, *Sesbania procumbens* and *Halophila beccarii* from Chilika and its environs as new plant records for the state of Orissa. However, occurrence of *Halophila beccarii* in the lagoon has been earlier reported by Patnaik (1973).

Rao (1970) enumerated 16 forest species with botanical description and utilitarian aspects, which are used in the fishing industry for making crafts, sails, canoes, floats, baskets, fishing rods, tanning of fishing nets and packing of fish, shrimp and crabs in the lagoon. Roy (1955) also brought out a similar publication on utility of the forest products of Orissa in fisheries of the lagoon.

The account of the flora and vegetation of the lagoon by Panigrahi (1988) was entirely based on the work of Narayanswamy and Carter (1922). Panda & Patnaik (1988) have made significant contributions to the floristic of this region in particular and based on their own collections, reported the occurrence of 352 angiospermic plant species belonging to 272 genera and 96 families. Of these, *Macrotyloma ciliatum* (Panda *et al.*, 1985) and *Heliotropium curassavicum* (Panda *et al.*, 1988) were reported to be new plants records for eastern India and Orissa respectively. Besides, many rare plants were found to occur along the coast and uninhabited islands of Chilika. Das *et al.* (1994) enumerated the aquatic plants of coastal Orissa including many from Chilika lagoon. Subsequently, Panda & Patnaik (2002) enumerated 546 species of angiospermic plants from Chilika lagoon and its immediate neighbourhood. The most comprehensive and extensive survey of the flora of this region was carried out by Panda *et al.* (2002) and a checklist of 711 species of angiospermic belonging to 492 genera and 119 families was brought out. Patnaik *et al.* (2003) analysed the flora and vegetation of Chilika and its neighbourhood with emphasis of floristic composition of special habitats. The taxonomy, diversity and distribution of sea grasses of Chilika lagoon was studied by Patnaik *et al.* (2008) in response to fluctuation in salinity, hydrological parameters, substrate characteristics etc. They reported the occurrence of *Halodule uninervis* a new record for East Coast of India and three other species such as *Halodule uninervis*, *Halophila ovata* and *Halodule pinifolia* turned out to be new distributional record for Chilika lagoon.

### 3. Results and discussion

Recently, a multi-seasonal floristic inventory and quantitative assessment of vegetation of Chilika and its neighbourhood was undertaken during a period of four years from 2012 to 2016 under the Integrated Coastal Zone Management (ICZM) project and several species hitherto not reported from this area have been collected, identified and enumerated. Based on this work, Kar *et al.* (2016) reported the occurrence of 79 additional species for the flora of Chilika lagoon and its immediate neighborhood, bringing the total number of known taxa to 804 under 531 genera and 120 families. Subsequent field work carried out by the authors till May 2020, another 80 species have been added to the list of flowering plants of this region.

An updated checklist of 884 species of flowering plants belonging to 537 genera and 130 families has been prepared and presented in this paper. The family Poaceae was represented by 92 species followed by Fabaceae (80), Euphorbiaceae (42), Cyperaceae (41), Acanthaceae (35), Rubiaceae (30), Asteaceae (27), Convolvulaceae (24), Malvaceae (18), Apocyanaceae (17) and Mimosaceae (17). The list of 10 dominant family and their composition is given in Table 1. In the enumeration, for each species, correct botanical name, family, local name (wherever available), flowering and fruiting time and localities of collection have been provided (Table 2).

Table 1

List of ten dominant angiospermic families in the flora of Chilika lagoon and its neighbourhood.

Sl. No.	Name of the family	No. of genera	No. of species
1	Poaceae	56	92
2	Fabaceae	34	80
3	Euphorbiaceae	23	42
4	Cyperaceae	11	41
5	Acanthaceae	20	35
6	Rubiaceae	17	30
7	Asteaceae	25	27
8	Convolvulaceae	09	24
9	Malvaceae	08	18
10a	Apocyanaceae	13	17
10b	Mimosaceae	09	17

Table 2

Enumeration of macrophytes (angiosperms) collected from Chilika lagoon, its uninhabited islands and shoreline

Species Name	Local name	Flowering time	Fruiting time	Locality of collection
<b>Dilleniaceae</b>				
<i>Dillenia indica</i> L.	Oau	May-June	Sept.-Feb.	Inzanpur, Belapada, Nairi and Gurubahi.
<b>Magnoliaceae</b>				
<i>Michelia champaca</i> L.	Champa	Mar-Apr	July	Kankadakuda, Alanda and Vaseramundia
<b>Annonaceae</b>				
<i>Alphonsea sclerocarpa</i> Thw.				
<i>Annona reticulata</i> L.	Ramphala	Feb.-April June.	July-Sept.	Ghantasila
<i>Annona squamosa</i> L.	Ata or Sitaphala	Mar-May	Dec.-Jan.	Keshpur, Samolo and Madhurja
<i>Desmos chinensis</i> Lour.	Gaicheria	Apr-May	July-Sept.	Inzanpur, Sorana, Keshpur, Samolo and Madhurja
<i>Polyalthia cerasoides</i> (Roxb.) Bedd.	Potmossu	Apr-May.	Sept.-Jan.	Baulabandha, Belapada and Madhurja
<i>Polyalthia longifolia</i> (Sonn.) Thw.	Debadaru	Mar-Apr	June-Aug.	Samolo and Belapada.
<i>Polyalthia suberosa</i> (Roxb.) Thw.	Lohaniamossu	Apr-May.	July-Aug.	Madhurja, Charichok and Janhikuda.
<i>Uvarihamiltonii</i> Hook. f. & Thoms.	Lakhankoli	May-July	Aug.-Nov.	Bhusandapur, Madhurja and Janhikuda.
<b>Menispermaceae</b>				
<i>Cissampelos pareira</i> var. <i>hirsuta</i> (Buch.-Ham. ex DC.) Forman	Akanbindi	June-Nov.	Nov.-Jan.	Ghantasila, Sanakuda and Gopakuda.
<i>Cocculus hirsutus</i> (L.) Diels	Dahidahiya	Nov.-Apr	Mar-May	Khadiparbata, Sana adia and Belapada.
<i>Stephania japonica</i> (Thunb.) Miers.	Akannindi	May-June	Dec.	Gopakuda, Kalijugeswara and Khadiparbata.
<i>Tiliacora acuminata</i> (Lam.) Miers	Kalajatinoi	Apr-June	June-Dec.	Samolo, Madhurja and Sorana.
<i>Tinospora cordifolia</i> (Willd.) Hook. f. & Thoms.	Guluchilata	Aug.-Dec.	Mar-May	Ghantasila, Sorana and Inzanpur.
<b>Nelumbonaceae</b>				
<i>Nelumbo nucifera</i> Gaertn.	Padma	Apr-July	Dec-Jan	Rahanabeli, Bhusandpur, Mangalajodi and Kalupada
<b>Nymphaeaceae</b>				
<i>Nymphaea nouchali</i> Burm.f.	Dhala Kain	Year round		Rahanabeli, Bhusandpur and Mangalajodi
<i>Nymphaea pubescens</i> Willd	Nali Kain	Throughout the year		Rahanabeli and Bhusandapur.
<b>Papaveraceae</b>				
<i>Argemone mexicana</i> L.	Agara	Feb.-June.		Badakuda, Mirzapur and Golabahi.
<b>Brassicaceae</b>				
<i>Rorippa indica</i> (L.) Hiern.		Oct.-Apr		Keshpur, Inzanpur and Sorana.

**Capparaceae**

<i>Capparis brevispina</i> DC.	Lepura, Nipura	Jan-Mar.	Apr-June	Rahanabeli, Samolo and Sanakuda.
<i>Capparis floribunda</i> Wight.		Apr-May	June-July	Rahanabeli, kaliugeswara and Sanakuda.
<i>Capparis roxburghii</i> DC.	Handiphuta	Apr-May		Sanakuda, Samolo and Rahanabeli
<i>Capparis septiaria</i> L.	Kantikapali	Apr	Nov.-Dec.	Kalijugeswara, Badakuda and Samolo.
<i>Capparis zeylanica</i> L.	Asadua	Feb-Oct		Samolo and Rahanabeli.
<i>Cleome aspera</i> Koen. ex DC.			July-Nov.	Rambha and Keshpur.
<i>Cleome monophylla</i> L.	Ranga Sorisa	Feb-June.	Aug.-Dec.	Binchinipatna and Vasera.
<i>Cleome ruitidosperma</i> DC.		Dec.-Feb.		Rambha, Pathara, Belapada and Nairi.
<i>Cleome viscosa</i> L.	Anasorisa	May-Oct.		Barkul, Chhtragamamani, Narayani Petrol pump
<i>Crateva adansonii</i> DC	Varuna	Mar-Apr	Apr-June.	Kalijai, Kalijugeswara, Samolo and Ghantasila.
<i>Crateva magna</i> (Lour.) DC.	Varuna	Mar-Apr	May-June.	Kalupada, Kalijugeswara and Khadiparbata.
<i>Maerua oblongifolia</i> (Forssk.) A. Rich.		Dec-Feb.		Arakhakuda, Odialpur and Chandikhol.

**Violaceae**

*Hybanthus enneaspermus* (L.) F. V. Muell. Throughout the year

**Flacourtiaceae**

<i>Casearia elliptica</i> Willd.	Khokhoda	Feb.-Aug.		Barkul and Nimuna
<i>Flacourtia indica</i> (Burm. f.) Merr.	Baincha	Dec.-Mar.	Mar-May	Sanakuda, Belapada and Chandikhol.
<i>Flacourtia jangomas</i> (Lour.) Raeusch.	Baincha	June	Oct.-Jan.	Samola Island

**Polygalaceae**

<i>Polygala arvensis</i> Willd.	Meradu	June-Dec.		Kalijugeswara, Kalijai, Samoloa and Barunakuda.
<i>Polygala crotalarioides</i> Buch.-Ham.	Ajhaduagada	Apr-June		Sorana
<i>Salomonita ciliata</i> (L.) DC.		Aug.-Sept.		Palur, Kalupada, Bhusandapur and Gudinala.

**Caryophyllaceae**

<i>Polycarpaea corymbosa</i> (L.) Lam.	Sanjat-jatia	Oct.-Feb.		Arakhakuda and Odialapur.
<i>Polycarpon prostratum</i> (Forssk.) Asch. & Schweinf.	Ghima	Nov.-May.		Kalupada, Palur, Sorana and Baulabandha.

**Portulacaceae**

<i>Portulaca oleracea</i> L.	Badabalbalua	All seasons		Sorana, Madhurja and Balapada.
<i>Portulaca quadrifida</i> L.	Balbalua	All seasons		Alanda, Gadisagada, Nairi and Barunakuda.

**Elatinaceae**

<i>Bergia ammannioides</i> Roxb.		Aug.-Mar.		Sabulia, Rambha and Barunakuda.
<i>Bergia capensis</i> L.		Sept.-Dec		Sorana, Nairi and Kalupada.

**Clusiaceae**

<i>Calophyllum inophyllum</i> L.	Polang	Mar-June	Oct.-Nov.	Chandikhol and Talatala.
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**Bombacaceae**

<i>Bombax ceiba</i> L.	Simili	Jan.-Mar.	Mar.-May	Gaurangapatna and Sanakuda.
<i>Ceiba pentandra</i> (L.) Gaertn.	Dhala Simili	Jan.-June.		Mirzapur, Nairi and Belapada.
<b>Malvaceae</b>				
<i>Abelmoschus ficulneus</i> (L.) Wight & Arn. ex Wight.	Jangali Bhendi	Oct-Nov.	Nov.-Mar.	Rambha and Barkul.
<i>Abelmoschus manihot</i> subsp. <i>tetraphyllus</i> (Roxb. ex Horn.) Borssum	Bana Bhendi	July-Oct.	Nov.-Jan.	Pathara, Sorana and Nairi
<i>Abelmoschus moschatus</i> Medic.	Bana Bhendi	Aug.-Nov.	Oct.-Jan.	Madhurja, Hatabaradi and Janhikuda.
<i>Abutilon hirtum</i> (Lam.) Sweet	Barkanghi	Oct-Apr		Barkul, Dangua and Kanakasankha.
<i>Abutilon indicum</i> (L.) Sweet	Pedi-pedika	July-Apr		Barkul, Belapada and Madhurja.
<i>Hibiscus ovalifolius</i> (Forsk.) Vahl		Sept.-Oct.		Sabulia, Narayanapatna and Binchinipatna.
<i>Hibiscus rosa-sinensis</i> L.	Mondaro	Throughout the year		Barkul, Nimuna, Nairi, Gurubahi and Belapada.
<i>Hibiscus sabdariffa</i> L.	Khattaplanga	July-Oct.	Oct-Feb.	Palur, Sorana, Gudinala and Nairi.
<i>Hibiscus tiliaceus</i> L.	Baniya, Halbali	Mar-Apr		Satapada and Baghamunda.
<i>Malachra capitata</i> (L.) L.		Apr-Dec.		Gudinala, Bhusandapur, Bidharpur and Hunjana.
<i>Pavonia odorata</i> Willd.		Aug.-Feb.		Barkul, Inzanpur and Palur.
<i>Pavonia zeylanica</i> (L.) Cav.		July-Dec.		Sanakuda, Keshpur, Palur and Kanakasankha.
<i>Sida acuta</i> Burm. f.	Bajramuli	Sept.-May.		Almost all Shoreline areas of Chilika.
<i>Sida cordata</i> (Burm.f.) Borssum	Bisiripi	Aug-Dec	Nov-Mar	Barkul, Inzanpur and Odialapur.
<i>Sida cordifolia</i> L.	Bisiripi	Aug.-Dec.	Oct.-Jan.	Kalupada, Mangalajodi and Bhusandapur.
<i>Sida rhombifolia</i> L.	Bajramuli	Aug.-Feb.		Upulialapur, Janhikuda and Belapada.
<i>Thespesia populnea</i> (L.) Soland ex Corr.	Porosippali, Goya	Aug.-Jan.		Kalijai, Ghantasila and Kalijugeswar
<i>Urena lobata</i> L. subsp. <i>sinuata</i> (L.) Borssum	Kunguya, Lot lotti	Aug.-Dec.		Gurubahi and Janhikuda.

**Sterculiaceae**

<i>Guazuma ulmifolia</i> Lam.	Debodaru	Apr-July	Oct.-Feb.	Palur canal, Vaseramundia and Chandikhol.
<i>Helicteres isora</i> L.	Modimodika	Apr-Dec.	Oct.-Jan.	Belapada and Janhikuda.
<i>Melochia corchorifolia</i> L.	Telpuri	July-Dec.		Chhatragada Masani, Barkul and Belapada.
<i>Pterospermum xylocarpum</i> (Gaertn.) Sant & Wagh.	Giringa	Oct.-Dec.	Apr-May.	Rahanabeli and Gaurangapatna.
<i>Sterculia foetida</i> L.		Mar-July.	Oct.-Jan.	Kalijugeswara, Sorana and Baulabandha.
<i>Sterculia urens</i> Roxb.	Genduli, Kodala	Dec.-Mar.	Apr-Aug	Madhurja, Satapada and Hunjana.
<i>Sterculia villosa</i> Roxb. ex DC.	Kodaloo	Jan.-Mar.	May-June	Gudinal, Dangua and Gopakuda.
<i>Waltheria indica</i> L.		Aug.-Jan.		Upulialapur and Bhusandapur.

**Tiliaceae**

<i>Corchorus aestuans</i> L.	Bananalita	July-Sept.	Oct.-Dec.	Belapada, Keshpur and Madhurja.
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<i>Corchorus capsularis</i> L.	Jhota	May-Nov.		Gurubahi, Jamhikuda, Kanakasankha and Sabulia.
<i>Corchorus fascicularis</i> Lam.	Mirga Chara,	July-Nov.		Kalijai, Belapada and Nimuna.
<i>Grewia disperma</i> Rottl.	Gara Bursu	June-Sept.	Oct.-Jan.	Kalijugeswara, Nimuna, Nairy and Sorana.
<i>Grewia obtusa</i> Wall. ex Gamble		April- July		Sabulia and Ghantasila
<i>Grewia rhamnifolia</i> Heyne ex Roth.	Phulari, Mirrigchara	July-Sept.	Sept.-Nov.	Kalijugeswara, Gopakuda and Kalijai.
<i>Grewia rolhii</i> DC.	Burso	Apr-June.	Sept.-Oct.	Kalijai, Kankadakuda and Adia.
<i>Grewia sapida</i> Roxb.	Dhamana	Feb.-Apr	Apr-May.	Chhatragadamasani, Gadisagada and Rahanabeli.
<i>Grewia tiliifolia</i> Vahl	Chulijhinka	Apr-June.	Sept.-Oct.	Nairi, Sorana, Madurja and Gaurangapatna.
<i>Hugonia mystax</i> L.	Pesu	May-June.	Aug.-Oct.	Upulialapur, Sanakuda, Belapada and Madhurja.
<i>Linum usitatisimum</i> L.		Oct.-Jan.		Keshpur, Madhurja and Hunjana.
<i>Triumfetta pentandra</i>		Aug-Sept.	Oct.-Nov.	Belapada, Inzanpur, Bhusandapur and Gaurangapatna.
<i>Triumfetta rhomboidea</i> Jacq.		July-Jan.		Samolo and Sanakuda
<b>Malpighiaceae</b>				
<i>Aspidopterys indica</i> (Roxb) Hochr.	Dholaatundi	Sept.-Oct.	Nov-Jan.	Krushnaprasad, Bidharpur and Gudinala.
<i>Hiptage benghalensis</i> (L.) Kurz	Madhabilata	Feb.-Mar.	Mar-May	Bhasramundia, Baulabandha and Nimuna
<b>Zygophyllaceae</b>				
<i>Tribulus terrestris</i> L.	Gokhara	All the year round		Pathara, Bhusandapur, Charichhok and Nairi shore
<b>Oxalidaceae</b>				
<i>Biophytum sensitivum</i> (L.) DC.	Chhotalajakuli	July-Dec		Belapada, Madhurja and Sabulia.
<i>Oxalis corniculata</i> L.	Ambiliti	All the year round		Kalupada, Inzanpur and Bhusandapur.
<b>Rutaceae</b>				
<i>Aegle marmelos</i> (L.) Corr.	Belo	Mar-Apr	Ripening next year	Rambha, Madhurja and Inzanpur.
<i>Atalantia monophylla</i> (L.) Corr.	Narguni	Feb.-Mar.	May-June	Kalijugeswara and Gurubahi.
<i>Citrus medica</i> L.	Lembu	Throughout the year		Ghantasila, Sanakuda, Nimuna, Nairi and Madhurja
<i>Glycosmis mauritiana</i> (Lam.) Tanaka	Lankabadam	Dec.-Feb.		Belapada, Chandikhoh, Kalijai and Kalijugeswara.
<i>Glycosmis pentaphylla</i> (Retz.) DC.	Chaludhuakoli	Oct.-Dec.	Nov.-Apr	Samolo, Badakuda and Kalijugeswar.
<i>Limonia acidissima</i> L.	Kaitha, Kaintha	Feb.-Apr	Nov.-Jan.	Chandikhoh, Talatala and Charichhok.
<i>Murraya koenigii</i> (L.) Spreng.	Bhursunga	Feb.-Apr	May-Sept.	Nairi, Belapada and Sorana.
<i>Murraya paniculata</i> (L.) Jack	Kamini	Apr-July	Dec.-Jan.	Samolo, Gurubahi and Sorana.
<i>Toddalia asiatica</i> (L.) Lam.	Tundpora	Aug.-Apr		Rambha, Gaurangapatna and Charichhok.
<b>Simaroubaceae</b>				
<i>Ailanthus excelsa</i> Roxb.	Mahala	Feb.-Mar.	May-July	Hunjana, Krushnaprasadgada and Hatabaradi.

<b>Ochnaceae</b>							
<i>Ochna obtusata</i> DC.	Bhuinchampa	Mar-May	June-July	Gopakuda, Kalijugeswara and Mirzapur.			
<b>Burseriaceae</b>							
<i>Commiphora caudata</i> (Wight & Am.) Engl.	Gogul	May		Pathara, Odialpur and Belapada.			
<i>Protium serratum</i> (Wall. ex Colebr.) Engl.	Nimburamoi	Mar-Apr	May-June	Gaurangapatna, Badakuda, Sabulia and Numuna			
<b>Meliaceae</b>							
<i>Azadirachta indica</i> A. Juss.	Limba, Nima	Feb.-May	June-July	Nairi, Inzanpur, Barkul and Kalijugeswara.			
<i>Cipadessa baccifera</i> (Roth) Miq.	Nalbali, Pittamari	Mar-June	May-Nov.	Barkul, Keshpur and Gaurangapatna.			
<i>Melia azedarach</i> L.	Mahanimbo	Mar-June	Oct.-Dec.	Kalijai, Ghantasila, Sanakuda and Gurubahi.			
<i>Walsura trifoliata</i> (A. Juss.) Harms	Mundika	Feb.-June		Kalupada, Bhusandapur and Nairi.			
<b>Celastraceae</b>							
<i>Cassine albena</i> (Rottb.) Kuntze	Chauli	Sept.-Dec.	Dec.-Feb.	Ghantasila island			
<i>Celastrus paniculata</i> Willd.	Pengu, Ping	Apr-June.	Oct.-Jan.	Khadijparbata and Kalijai.			
<i>Maytenus emarginatus</i> (Willd.)	Ding Hou	Nov.-Dec.	Jan.-Mar	Kalijugeswara and Alanda.			
<b>Hippocrateaceae</b>							
<i>Reissantia indica</i> (Willd.) Helle	Katha paharia	Apr-May.		Badakuda.			
<i>Salacia chinensis</i> L.	Batra	Mar-Apr		Barunakuda, Bada adia, Bhaseramundia			
<b>Rhamnaceae</b>							
<i>Colubrina asiatica</i> (L.) Brongn.		Dec.-Mar		Mirzapur and Odialpur			
<i>Gouania leptostachya</i> DC.	Raktapitchali, Rangchero	Aug.-Sept.	Nov.-Dec.	Samolo, Kalupada, Inzanpur and Chhatragada			
<i>Rhamnus prostratalaeq.</i> ex Parker		May-Aug		Badakuda island			
<i>Scutia myrtina</i> (Burm.f.) Kurz.		Apr-May.		Kalijugeswara, Samolo, Nairi and Kankadakuda.			
<i>Ventilagodenticulata</i> Willd.	Pitchuli	Sept.-Nov.	Feb.-Apr	Baghamunda and Bidharapur.			
<b>Rhamnaceae</b>							
<i>Ziziphus mauritiana</i> Lam.	Barokoli	Mar-Oct.	Jan.-Mar	Badakuda, Sorana, Ghantasila			
<i>Ziziphus mauritiana</i> var.		Aug.-Feb.		Samolo, Sanakuda and Nairi			
<i>fruticosa</i> (Haines) Sebastine. & A. N. Henry		June-Sept.	Oct.-Jan.	Samolo, Ghantasila, Sanakuda and Badakuda.			
<i>Ziziphus oenoplia</i> (L.) Mill.	Kanteikoli	Mar-June.	Oct.-Jan.	Samolo, Pathara and Gaurangapatna.			
<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Gotha, Gotha bara						
<b>Vitaceae</b>							
<i>Ampelocissus tomentosa</i> (Roth) Planch.	Konjanoi/Katobhangonoi	July-Sept.	Sept.-Nov.	Kalijugeswar, Samolo and Ghantasila			
<i>Ampleocissus latifolia</i> (Roxb.) Planch.	Kanjinai	June-Aug.	Aug.-Oct.	Gheekol, Diandein and Gaurangapatna.			
<i>Cayratia pedata</i> (Lour.) Juss. ex Gagnep.	Pitapotala	Mar-Aug.		Ghantasila, Kalijugeswara and Khadijparbata.			



<i>Cayratia trifolia</i> (L.) Domin.	Ambiliiti	July-Aug.	Oct.-Nov.	Kalijugeswata, Ghantasila and Khadiparbata.
<i>Cissus adnata</i> Roxb.		Aug.-Jan.		Ghantasila and Kalijugeswar Island
<i>Cissus quadrangula</i> L.	Hadabhanga	Apr-Jan.		Kalijai, Ghantasila and Kalijugeswara.
<i>Cissus vitiginea</i> L.	Jangliangur	July-Oct.	Aug.-Nov.	Samolo, Gopakuda and Barunakuda.
<i>Cyphostemma auriculatum</i> (Roxb.) P.Singh & B. V. Shetty		May-Oct.		Ghantasila and Kalijugeswar
<b>Sapindaceae</b>				
<i>Allophylus serratus</i> (Roxb.) Kurz	Khandkoli	July-Aug.	Sept.-Oct.	Khadibarbata, Barunakuda and Kalijugeswara
<i>Cardiospermum halicacabum</i> L.	Phutphutika	Apr-Nov.		Sanakuda and Kalijugeswara.
<i>Dodonaea viscosa</i> (L.) Jacq.	Mahada	Most part of the year		Chandikhhol, Mirzapur and Alupatna.
<i>Lepisanthes tetraphyllus</i> (Vahl) Radlk.	Panikusum	Apr	Apr-May.	Samolo, Kalijugeswara and Kalijai.
<i>Schleichera oleosa</i> (Lour.) Oken.	Kusum	Feb.-Mar.	June-Aug.	Kankadakuda and Kalijai.
<b>Anacardiaceae</b>				
<i>Anacardium occidentale</i> L.	Kaju	Mar-Apr	Apr-May.	Chandikhhol, Odialapur and Talatala.
<i>Lannea coromandelica</i> (Houtt.) Merr.	Mahi, Jia	Mar-Apr	Apr-June.	Gaurangapatna Mathakona and Binchinipatna.
<i>Mangifera indica</i> L.	Amba	Jan-Mar.	Apr-May.	Narayani Petol Pump, Belapada and Madhurja
<i>Semecarpus anacardium</i> L.	Bhalia	June-Sept.	Nov.-Dec.	Chandikhhol, Alupatna and Talatala.
<b>Caesalpinjiaceae</b>				
<i>Bauhinia purpurea</i> L.	Barada, Kuilari	Sept.-Feb.	Feb.-Mar.	Nairi, Sabulia and Bidharpur.
<i>Caesalpinia bonduc</i> (L.) Roxb.	Gila	Aug.-Oct.	Dec.-Apr	Kalijugeswara, Kalijai, Sanakuda and Madhurja.
<i>Caesalpinia digyna</i> Rottl	Gila, Tari	Jan-Mar.		Gaurangapatna, Madhurja and Baulabandha
<i>Caesalpinia pulcherrima</i> (L.) Sw.	Godibana	Most part of the year		Ghantasila and Gaurangapatna.
<i>Cassia absus</i> L.		Aug- Nov.		Inzanpur, Chhtragadamasani, Belapada
<i>Cassia fistula</i> L.	Sunari	Apr-June	Most part	Nairi, Bidharapur and of the year Chhatragadamasani
<i>Cassia mimosoides</i> Lam.	Bana Chakunda	Aug-Dec		Kalijugeswara, Gopahuda and Nimuna.
<i>Cassia occidentalis</i> L.		Sept.-Nov.	Dec.-Feb.	Barkul, Nairi and Sorana.
<i>Cassia siamea</i> Lam.		Sept.-Dec.		Samolo, Hatabaradi and Kanakasankha.
<i>Cassia tora</i> L.	Chakundi	Sept.-Nov.	Nov.-Dec.	Almost all Islands and some shore areas of Chilika.
<i>Delonix regia</i> (Boj. ex Hook.) Raf.	Krusnhachuda	Apr-June.		Bhusandapur, Barkul and Rahanabeli.
<i>Parkinsonia aculeata</i> L.		Mainly Nov. -Mar.	Most part of the year.	Gopakuda and Rambha.
<i>Peltophorum pterocarpum</i> (DC.) Backer ex K. Heyne	Radha chuda	Mar-May	Apr-Dec.	Gheekhol, Krushnaprasad, and Gurubahi.
<i>Senna obtusifolia</i> (L.) H.S.Irwin & Barneby		Sept.-Nov.	Nov.-Dec.	Belapada and Sanakuda
<i>Tamarindus indica</i> L.	Kaiyan, Tentuli	Apr-June.	Dec.-Mar.	Sanakuda, Kankadakuda and Hunjana.
<b>Mimosaceae</b>				
<i>Acacia auriculiformis</i> A. Cunn. ex Benth.	Akasi, Akasia	Most part of the year.		Madhurja, Gaurangapatna, Gurubahi

<i>Acacia caesia</i> (L.) Willd.	Dentari	Sept.-Oct.	Feb.-April	Samolo, Sanakuda, Gaurangapatna and Madhurja
<i>Acacia leucophloea</i> (Roxb.) Willd.	Gohira	Aug.-Oct.	Dec.	Samolo, Kalijugeswara and Adia.
<i>Acacia nilotica</i> Delile ssp. <i>indica</i> (Bent.) Brenan	Babul	Aug.-Dec.	Jan.-Apr	Belapada, Madhurja, Gaurangapatna, Ghantasila.
<i>Acacia pennata</i> (L.) Willd.	Dantari	May-Aug.	Oct.-Dec.	Odiyalapur, Inzanpur and Sorana.
<i>Acacia polyacantha</i> Willd.	Sami	Aug.-Sept.	Dec.-Apr	SamoloJ
<i>Albizia lebbek</i> (L.) Benth.	Sirisa	Apr-June	Oct.-Jan.	Chhatragada Masani, Bidharpur and Sanakuda.
<i>Albizia odoratissima</i> (L. f.) Benth.	Kala siriso, Sirish	May-June	Nov.-Feb.	Rahanabeli and Baulabandha
<i>Albizia procera</i> (Roxb.) Benth.	Tentra	Aug.-Sept.	Dec. May	Baulabandha
<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Koiridyo	Apr-July	Nov.-Feb.	Sanakuda, Samolo and Gaurangapatna.
<i>Leucaena leucocephala</i> (Lam.) de Wit.	Subabul	May-June	Aug.-Oct.	Upulialapur, Bada adia and Bhaseramundia.
<i>Mimosa pudica</i> L.	Lajakuli	Aug. - May.		Kalupada, Mangalajodi and Bhusandapur.
<i>Neptunia oleracea</i> Lour.		Jan.-Nov.		Timimuhani
<i>Neptunia triquetra</i> (Vahl) Benth.		May-Nov.		Balugaon and Nairi
<i>Pithecellobium dulce</i> (Roxb.) Benth.	Simakoian, Bilati Koian	Jan.-Mar.	Apr-June.	Kalipada, Sorana, Nairy, Madhurja, Gurubahi
<i>Prosopis juliflora</i> (Sw.) DC.		Oct.-Mar.	Feb.- May.	Ghantasila, Kalijugeswara and Bada adia.
<i>Samanea saman</i> (Jacq.) Merr.	Chakunda	Mar- Apr	May-July.	Inzanpur, Madhurja, Kalijai and Gopakuda.
<b>Fabaceae</b>				
<i>Abrus precatorius</i> L.	Kaincha	Aug.-Sept.	Nov.-Mar.	Upulialapur, Baulabandha and Dangua.
<i>Aeschynomene americana</i> L.		Oct.-Dec.		Nairi and Bhusandpur
<i>Aeschynomene aspera</i> L.	Sola	Aug.- Oct	Nov.-Jan.	Kalupada, Bhusandpur and Nimuna
<i>Aeschynomene indica</i> L.	Sola karana	July-Nov.		Belapada, Kalupada and Alupatna.
<i>Alysicarpus monilifer</i> (L.) DC.		Sept.-Jan.		Kalijugeswar and Ghantasila
<i>Alysicarpus roxburghianus</i> Thoth. & Pramamik		July- Sept.		Sorana.
<i>Alysicarpus scariosus</i> (Rottl. ex Spreng.) Grah. ex Thw.		Sept.-Nov.		Kalijugeswar and Kalijai
<i>Alysicarpus vaginalis</i> (L.) DC. Prod.		Sept.-Jan.		Odiyalapur, Badakuda, Patnasi and Alanda.
<i>Atylosia scarabaeoides</i> (L.) Benth.	Ban-Kolathia	Aug.-Jan.		Kalupada, Hunjana and Inzanpur.
<i>Butea monosperma</i> (Lam.) Taub.	Lata palas	Feb.-Apr	May-July	Luniput, Rambha, Samolo and Kalijugeswara.
<i>Butea superba</i> Roxb.	Arhar, Kandula	Mar-Apr	June-July	Kalijugeswara, Kankadakuda and Kalijai.
<i>Cajanus cajan</i> (L.) Huth.	Banakandula	June-Sept.	Dec.-Feb.	Barkul, Madhurja and Gurubahi.
<i>Cajanus volubilis</i> (Blanco) Blanco.	Luna Simba	Nov-Mar.		Bhusandapur
<i>Canavalia maritima</i> (Aub.) Thouars	Maharada	Aug.-Sept.		Arakhakuda and Mirzapur
<i>Canavalia virosa</i> (Roxb.) Wt. & Arn.	Aparajita	Dec-Mar	Nov.-Dec.	Kalijugeswar, Gopakuda.
<i>Clitoria ternatea</i> L.		July-Oct.		Kalijugeswara, Sanakuda, Ghantasila and Keshpur.
<i>Crotalaria albida</i> Heyne ex Roth		Sept.-Jan.		Sanakuda, Samolo and Mirzapur

<i>Crotalaria calycina</i> Schrank				Sept.-Jan.	Samolo and Kalijugeswar
<i>Crotalaria juncea</i> L.	Choni, Chanapata		Aug.-Feb.	Hatabaradi, Mirzapur, Janhikuda and Baghamunda.	
<i>Crotalaria laburnifolia</i> L.			Aug-Jan.	Khirisahi	
<i>Crotalaria nana</i> Baker.			Nov-Dec.	Belapada and Samolo.	
<i>Crotalaria pallida</i> Ait.	Jhunjhumika		Throughout the year	Samolo, Sanakuda and Nairi	
<i>Crotalaria prostrata</i> Rottl	Vishnukarni		Sept -Apr	Samolo, Sanakuda and Barunakuda.	
<i>Crotalaria retusa</i> L.			Aug.-March	Nairi and Kalupada	
<i>Crotalaria spectabilis</i> Roth	Haridijilingi		Sept.-May	Chandikhoh and Sanakuda	
<i>Crotalaria verrucosa</i> L.	Jhunka		Oct.-May	Barkul, Samolo and Sanakuda.	
<i>Dalbergia paniculata</i> Roxb.	Dhobani		Feb.-Oct.	Kalijugeswar and Ghantasila	
<i>Dalbergia rubiginosa</i> Roxb.	Kanchanai		Mar-May	Samolo, Ghantasila and Belapada.	
<i>Dalbergia sissoo</i> Roxb.	Sisu		Mar-June	Ghantasila	
<i>Derris scandens</i> Lour.	Kentia, Mohagano		July-Feb.	Samolo and Upulialpur	
<i>Derris trifoliata</i> Lour.	Ketia		Mar-Apr	Ghantasila and Barkul.	
<i>Desmodium biarticulatum</i> (L.) Muell.			Aug.-Sept.	Alupatna, Baghamunda and Chandikhoh.	
<i>Desmodium gangeticum</i> (L.) DC.	Salaparni		May-June.	Binchinipatna, Sorana and Kansarimuhana.	
<i>Desmodium heterophyllum</i> (Willd.) DC.	Lathna		May-Dec.	Gopakuda and Belapada	
<i>Desmodium triflorum</i> (L.) DC.	Chhenakuradhia		Most part of the year.	Belapada, Bidharapur and Hunjana.	
<i>Dicerma biarticulatum</i> (L.) DC.			Sept.-April	Baulabandha and Nimuna	
<i>Dolichos trilobus</i> L.	Lata Kolatha		Sept.-Oct.	Gopakuda, Sanakuda and Ghantasila.	
<i>Dunbaria rotundifolia</i> (Lour.) Merr.			Sept- Nov.	Baradihi	
<i>Erythrina suberosa</i> Roxb.	Paldua, Chaldua		Mar-May	Ghantasila, Kalijugeswara and Kankadakuda.	
<i>Erythrina variegata</i> L.	Paladhua		Mar-Apr	Kalijai, Sorana and Gurubahi.	
<i>Galactia tenuiflora</i> (Klein. ex Willd.) Wight & Arn.	Bankolata		Sept.-Oct.	Baulabandha	
<i>Gliricidia sepium</i> (Jacq.) Kunth ex Walp.			Feb.-Apr	Kalijugeswara, Hunjana and Gurubahi.	
<i>Indigofera arrecta</i> Hochst. ex A. Rich.			Sept.-Oct.	Samolo, Gopakuda, Binchinipatna and Belapada.	
<i>Indigofera aspalathoides</i> Vahl			Aug.	Samolo, Sanakuda, Mirzapur and Chandikhoh.	
<i>Indigofera astragalina</i> DC.			May-Dec.	Belapada, Nairy, Sabulia and Sorana.	
<i>Indigofera glabra</i> L.			July-Nov	Barunakuda, Sipakuda and Arakhakuda.	
<i>Indigofera linifolia</i> (L.f.) Retz.	Torki		Aug.-Jan.	Hunjana, Keshpur and Kanakasankha.	
<i>Indigofera linnaei</i> Ali	Latahai		Aug.-Dec.	Samolo, Kankadakuda and Sanakuda	
<i>Indigofera nummularifolia</i> (L.) Liv. ex Alston			Aug.-Dec.	Hunjana, Sabulia and Belapada.	
<i>Indigofera nummularifolia</i> (L.) Livera ex Alston			Aug.-Dec.	Langateswara and Odialpur	
<i>Indigofera tinctoria</i> L.	Nili		Sept.-Oct.	Samolo, Khadiparbata, Barunakuda.	

<i>Indigofera prostrata</i> Willd.				Sept.-Nov.	Baulabandha, Dangua and Keshpur.
<i>Lablab purpureus</i> (L.) Sweet		Simba		Nov-Feb	Barkul, Inzanpur, Nairy and Gurubahi.
<i>Macrotyloma ciliatum</i> (Willd.) Verdc.				Jan-Mar	Badakuda, Sanakuda and Ghantasila.
<i>Macrotyloma uniflorum</i> (Lam.) Verdc.		Kolatha		Sept.-Nov.	Madhurja, Sabulia, Hatabaradia and Binchinipatna.
<i>Mucuna monosperma</i> DC. ex Wight		Baidanka		Nov.-Dec	Sorana
<i>Mucuna pruriens</i> (L.) DC.		Baidonka		Sept.-Nov.	Sunderpara, Luniput and Sabulia.
<i>Paracalyxscariosa</i> (Roxb.) Ali.				Feb-Mar.	Sanakuda Island
<i>Pongamia pinnata</i> (L.) Pierre		Karanjo		May-June	Ghantasila, Kalijugeswara, Kalijai, Badakuda
<i>Pseudarthria viscida</i> (L.) Wt&Arn.				Nov.-Feb.	Odiaplur, Belapada and Hatabaradi
<i>Psoralea corylifolia</i> L.		Bakuchi		Dec-Feb	Rahanabelli
<i>Rhynchosia capitata</i> (Heyne ex Roth) DC.				Aug.-Oct.	Kankadakuda, Ghantasila and Samolo
<i>Rhynchosia minima</i> (L.) DC.				Sept.	Nimuna, Belapda and Sanakuda
<i>Rothia indica</i> (L.) Druce		Papra		Nov.-Jan.	Chandikhoh, Alupatna and Baghamunda.
<i>Sesbania bispinosa</i> (Jacq.) W. F. Wight		Tentua		Aug.-Oct.	Baulabandha and Hatabaradi
<i>Sesbania grandiflora</i> (L.) Poir.		Agasthi	Throughout the year		Nimuna and Charichhak
<i>Sesbania javanica</i> Miq.		Kathsoala	Sept.-Dec.		Kalupada and Bhusandpur
<i>Sesbania procumbens</i> (Roxb.) Wight & Arn.			Oct-Jan.		Balugoan, Odialpur, Talatala and Chandikhoh.
<i>Smithia confertal</i> . E. Sm.			Sept.-Oct.		Kanakasankha, Nimuna and Luniput
<i>Smithia sensitiva</i> Ait.			Sept.-Nov.		Balipatapur
<i>Stylosanthes fruticosa</i> (Retz.) Alston.			Aug.-Sept.		Pathara, Odalapur and Arakhakuda.
<i>Tephrosia maxima</i> (L.) Pers.			Oct.-Jan		Sanakuda, Samolo, Barunahuda, Arakhakuda and Upulialapur.
<i>Tephrosia purpurea</i> (L.) Pers.		Bana Kolathia	Most part of the year.		Samolo and Keshpur.
<i>Tephrosia villosa</i> (L.) Pers.		Banokolthia	July-Apr		Samolo, Odialapur, Kankadakuda and Gheekhol.
<i>Vigna adenantha</i> (GF.W. Meyer) Marechal <i>et al.</i>		Ban barbati	Sept.-Oct.		Barkul and Pathara.
<i>Vigna mungo</i> (L.) Hepper		Biri	Nov-Jan		Samolo, Pathara, Keshpur and Belapada
<i>Vigna radiata</i> (L.) Wilczek		Mungo	May-Dec.		Barkul
<i>Vigna sublobata</i> (Roxb.) Bairng.		Ban biri, Purburi	Sept.-Oct.		Ghantasila, Sanakuda and Gopakuda.
<i>Vigna trilobata</i> (L.) Verdc.		Sana muga	Sept.- Feb.		Badakuda, Keshpur and Nairy Jetty.
<i>Zornia gibbosa</i> Span.		Chhenakuradhia	Aug.-Dec.		Madhurja, Sanakuda and Gudinala.
<b>Vahliaceae</b>					
<i>Vahlia dichotoma</i> (Murray) Kuntze			Oct-Jan		Nandala, Barul, Rajhans, Belapada and Luniput.
<i>Vahlia digyna</i> (Murray) Kuntze					Gaurangapatna, Belapada and Luniput.

**Rhizophoraceae**

<i>Bruguiera gymnorrhiza</i> (L.) Savigny	Kekra, Rasinia	Mar-Apr Feb.	Rambhartia.
<i>Cassipourea ceylanica</i> (Garden.) Aston.			Sanakuda, Badakuda, Samolo and Ghantasila.
<i>Ceriops decandra</i> (Griff.) Ding Hou	Garani	Throughout the year.	Arakhakuda and Rambhartia
<i>Kandelia candel</i> (L.) Druce	Sinduka	Apr- June.	Arakhakuda and Rambhartia
<i>Rhizophora mucronata</i> Poir.	Rai	Apr- June.	Arakhakuda and Rambhartia

**Combretaceae**

<i>Calycopteris floribunda</i> Lam.	DhalaAtundi	Mar-Apr	May.	Kalijai and Sorana.
<i>Combretum albidum</i> G. Don	Atudi	Feb-Mar	Apr-May	Ghantasila and Hunjana.
<i>Combretum roxburghii</i> Spreng.	Kala Atundi	Nov-Feb.	Mar-June.	Gaurangapatna and Rambha.
<i>Quisqualis indica</i> L.	Madhu malati	Most part of the year.		Hunjana, Baghamunda and Alupatna.
<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight. & Arn.	Arjuna	May-July	Oct.-Feb.	Kalupadaghat, Gurubahi and Gaurangapatna.
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Bahada	Mar-May	Oct.-Dec.	Kalijugeswara, Binchinipatna and Chandikhol.
<i>Terminalia catappa</i> L.	Desi Badam	March-May	Nov.-Dec.	Rambha and Sanakuda

**Myrtaceae**

<i>Callistemon citrinus</i> (Curtis) Stapf	Bottle Brush	Most part of the year.		Barkul, Kalijai, Ghantasila and Samolo.
<i>Eucalyptus citriodora</i> Hook.	Bhujapatra	May-Aug.		Sanakuda Island
<i>Eugenia rothii</i> Panigr.	Sagadabatuakoli	Mar-June	July-Nov	Narayani Petrol Pump, Palur canal and Madhurja.
<i>Psidium guajava</i> L.	Pijuli	Most part of the year.		Ghantasila, Badakuda, Nairy and Bidharapur.
<i>Syzygium cumini</i> (L.) Skeels in U.S.D.A.	Jamukoli	Apr-May	July-Aug	Pathara, Bhaseramundia and Sanakuda.

**Barringtoniaceae**

<i>Barringtonia acutangula</i> (L.) Gaertn.	Hinjala	Apr-June	Sept	Pathara, Belapada, Kalijugeswara and Bhusandapur.
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**Melastamataceae**

<i>Melastoma malabathricum</i> L.	Gangei	Feb-May	Nov-Dec	Nairi
<i>Memecylon umbellatum</i> Burm.	Niraisa Koli	Mar-June	Aug.- Sept.	Sanakuda, Samolo and Badakuda.
<i>Osbeckia zeylanica</i> L.f.		Mar.		Odiapur, Bhasera, Barunakuda and Samolo.

**Lythraceae**

<i>Ammannia baccifera</i> L.	Ramdauni	Sept.-Nov.	Nov.-Mar.	Hunjana and Janhikuda.
<i>Ammannia multiflora</i> Roxb.		Sept.-Nov.	Nov.-Dec.	Kalupada, Inzanpur and Binchinipatna.
<i>Lagerstroemia reginae</i> Roxb.	Patali	Apr-Aug.	Sept.-Dec.	Rambha, Kalijugeswara and Madhurja.
<i>Nesaea lanceolata</i> (Heyne ex C.B.Cl.) Koehne		Nov.-Jan.		Baghamuna, Arakakuda and Alupatna.
<i>Rotala indica</i> (Willd.) Koehne	Badabadi	Oct-Dec		Gurubahi.
<i>Rotala rosea</i> (Poir.) Cook		July-Jan.		Rambha, Gaurangapatna and Madhurja.
<i>Rotala rotundifolia</i> (Buch.-Ham. ex Roxb.) Koehne.	Painlatkana		Jan.-May.	Kalupada, Gudinal and Sorana.

<i>Rotala verticillaris</i> L.					Dec.-Feb.	Talatala, Chandikhol and Odialapur
<b>Punicaceae</b>						
<i>Punica granatum</i> L.	Dalimba				Apr-May	Ghantasila and Badakuda.
<b>Onagraceae</b>						
<i>Ludwigia adscendens</i> (L.) Hara.	Jagal				Dec-July	Bhusandapur, Rahanabeli and Pathara.
<i>Ludwigia perennis</i> Linn.	Bilalabanga				Oct.-Nov.	Kalupada, Mangalajodi and Bhusandapur.
<i>Ludwigia hyssopifolia</i> (G. Don) Excell					Oct.-Dec.	Kalupada and Bhusandpur
<i>Ludwigia octovalvis</i> (Jacq.) Raven					Oct.-April	Kalupada and Bhusandpur
<b>Trapaceae</b>						
<i>Trapa natans</i> Linn. var. <i>bispinosa</i> (Roxb.) Makino.	Pani Singada				June- Aug.	Kalupadaand Tampara.
<b>Turneraceae</b>						
<i>Turnera ulmifolia</i> L.						Madhurja, Rambha and Binchinipatna.
<b>Passifloraceae</b>						
<i>Passiflora foetida</i> L.	Bisiripi				Nov.-June.	Ghantasila, Kalijugeswara and Gurubahi.
<i>Passiflora suberosa</i> Linn.					Sept- Oct	Gopakuda, Samolo and Ugratara
<b>Cucurbitaceae</b>						
<i>Coccinia grandis</i> (L.) Voigt.	Kainchikakudi				Most part of the year.	Kalijugeswara, Kalijai and Nairi
<i>Cucumis trigonus</i> Roxb.	Bana Kakudi				Aug.-Oct.	Ghantasila, Madhurja and Rambha.
<i>Diplocyclos palmatus</i> (L.) Jeffrey.	Shivalingi				Oct-Jan	Gopakuda and Ghntasila.
<i>Luffa acutangulavar. amara</i> (Roxb.) C. B. Clarke	Janni				Throughout the year	Nairi, Nimuna and Kanakasankha
<i>Luffa aegyptiaca</i> Mill.	Jani				Aug.-Nov.	Bidharpur, baulabandha and Nairi
<i>Momordica charantia</i> L.	Kalara				Throughout the year	Kanakasankha, Baulabandha and Nairi
<i>Momordica dioica</i> Roxb.	Kankada				Aug.- Sept.	Kankasankha, Sabulia and Rambha.
<i>Mukia maderaspatana</i> (L.) Roem.					Throughout the year	Nimuna and Sorana
<i>Solena amplexicaulis</i> (Lam.) Gandhi	Karakia, Bana kundri				Apr-Oct.	Samolo and Sanakuda.
<i>Trichosanthes cucumerina</i> L.	Ban potol				June-May	Samolo, Madhurja and Nimuna
<i>Trichosanthes tricuspidata</i> Lour.	MahakalaPhala				Aug.-Sept.	Ghantasila, Gadisagada and Gurubahi.
<b>Cactaceae</b>						
<i>Opuntia stricta</i> var. <i>dillenii</i> (Ker- Gawl.) Benson	Nagphani				Jan- Sept.	Rambhartia, Gaurangapatna and Talatala
<i>Cereus hexagonus</i> Haw.						Kalijugeswar and Khadiparbata
<b>Molluginaceae</b>						
<i>Gisekia pharnaceoides</i> L.	Susni				Mar -July.	Arakhakuda, Mirzapur and Chandikhol
<i>Glinus lotoides</i> L.	GhodaPitasaga				Feb.-May.	Alupatna and Odialapur
<i>Glinus oppositifolius</i> (L.) A. DC.	Pitasag				Mar- Oct.	Charichhok, Keshpur and Barunakuda.

<i>Mollugo pentaphylla</i> L.	Pita saga	All the year round.	Rambha, Belapada and Sorana.
<i>Mollugo nudicaulis</i> Lam.		Feb.-Aug.	Madhurja and Nmirzapur
<i>Mollugo cerviana</i> (L.) Ser.		Aug.-March	Samilo and Barunakuda
<b>Aiozaceae</b>			
<i>Sesuvium portulacastrum</i> (L.) L.		Nov.-May	Kalijugeswara, Kalijai and Nairi
<i>Trianthema portulacastrum</i> L.	Ghodapuruni	July- Dec.	Parikuda, Belapada and Gaurangapatana
<i>Trianthema triquetra</i> Rottl. ex Willd.		June-Dec.	Parikuda and Chandikhol.
<b>Apiaceae</b>			
<i>Centella asiatica</i> (L.) Urban	Thalkudi, Ghodatapua	Most part of the year.	Belapada and Rambha.
<i>Hydrocotyle sibthorpioides</i> Lam.		Oct. -Mar.	Kalijugeswara, Adia and Khadiparbata.
<i>Seseli diffusum</i> (Roxb. ex Sm.) Sant. & Wagh.	Bhuinporisa	Feb.-Apr	Arakhakuda, Chandikhol and Mirzapur.
<b>Alangiaceae</b>			
<i>Alangium salvifolium</i> (L.f.) Wang.	Ankula	Mar- Apr	Sanakuda, Barkul and Ghantasila.
<b>Rubiaceae</b>			
<i>Benkara malabarica</i> (Lam.) Tirveng.	Phiriki Kanta	Feb.-July	Mirzapur, Alupatna and Janhikuda.
<i>Canthium dicoccum</i> (Gaertn.) Teijsm. & Binnend.	Dalasinga	Feb-Apr	Ghantasila, Samolo and Madhurja
<i>Canthium parviflorum</i> Lam.	Tuthudi	April-Jan	Sanakuda, Samolo and Hunjana
<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Mohana, Salara	Mar-June	Arakhakuda, Mirzapur and Alupatna.
<i>Dentella repens</i> (L.) J. R & GForst.		Apr- Oct.	Madhurja ang Charichhok.
<i>Fagerlindia fasciculata</i> (Roxb.) Tirveng.		Mar Oct	Alanda, Gurubahi, Nimuna and Sabulia.
<i>Hedyotis brachiata</i> Wight		July.	Belapada, Sorana and Arakhakuda.
<i>Hedyotis corymbosa</i> (L.) Lam.	Gharpodia	June-Jan.	Gaurangapatna, Madhurja, Ghantasila & Sanakuda
<i>Hedyotis diffusa</i> Willd.	Bongamjoi	May- Nov.	Keshpur, Belapada and Samolo.
<i>Hedyotis erecta</i> Manilal & Sivarejan		May-Jan	Bhusandapur, Rambha and Nairi
<i>Hedyotis graminifoliasu</i> bsp. <i>arenaria</i> (Haines) Deb & Dutta		Aug.-Oct.	Arakhakuda, Mirzapur and Barunakuda.
<i>Hedyotis herbacea</i> L.		Aug.-Jan.	Samolo and Kankadakuda.
<i>Hedyotis nitida</i> Wight & Arn.		Aug.-Nov.	Sorana, Kanakasankha and Palur.
<i>Hedyotis ovatifolia</i> Cav.		Aug.-Nov.	Keshpur, Pathara, Alanda.
<i>Hedyotis pinifolia</i> Wall. ex G. Don		Sept-Dec	Keshpur, Odialapur
<i>Hedyotis puberula</i> (G.Don) Arn.	Surbuli	Sept- Mar.	Gollabandh and Badakuda.
<i>Hydrophylax maritima</i> L.	Telkurma	Mar-Nov.	Mirzapur, Janhikuda and Baghamunda.
<i>Ixora pavettia</i> Andr.	Tela Koruan	Mar-May	Barkul, Mirzapur and Sabulia
<i>Ixora undulata</i> Roxb.		Apr- May	Sanakuda Island of Chilikha lagoon

<i>Knoxia sumatrensis</i> (Retz.) DC.		June-Jan.	Gopakuda, Sorana and Gudinala.
<i>Meyna spinosa</i> Roxb. ex Link.	Manta kanta, Nangal kanta	Apr-May	Rambha, Hunjana and Hatabaradi.
<i>Mitracarpus villosus</i> (Sw.) DC.		Sept- Mar.	Kanakasankha, Sabulia and Gheekhol.
<i>Mitragynaparvifolia</i> (Roxb.) Korth.	Mitikini, Keli-kadamba	May-June	Binchimpiatna, Hunjana and Gaurangapatna.
<i>Morinda pubescens</i> Sm.	Achu, Aachhu	Apr-July	Chilika islands and Rambha.
<i>Pavetta indica</i> L.		April-Nov.	Sanakuda, Gurubahi and Rahanabeli
<i>Pavetta tomentosa</i> Roxb. ex Sm.	Kukur-chalia	May-July	Chhatragadamasani, Samolo and Sanakuda.
<i>Spermacoce articulata</i> L. f.	Solaganthi	July-Oct.	Samolo, Pathara, Mirzapur and Sanakuda
<i>Spermacoce hispida</i> L.	Sanagharpodia	July-Oct	Rambhartia, Chandikhol and Odialpur.
<i>Spermacoce mauritiana</i> Gideon		Throughout the year	Odialpur, Belapada and Madhurja
<i>Spermacoce pusilla</i> Wall.		July- Sept.	Odialpur, Baghamunda, Upuliatapur and Bhasera
<i>Spermacoce ramanii</i> Sivar. & Nair		July-Sept.	Ghantshila.
<i>Tamilnadia uliginosa</i> (Retz.) Tirveng. & Sastre.	Tolaka, Telkur	Apr-July	Khadiapatbata, Kalijai and Kalijugeswara.
<i>Taranna asiatica</i> (L.) Kuntze ex Schum.	Jaujauka	Oct.-Nov	Nairi, Madhurja and Sabulia.
<b>Astearceae</b>			
<i>Acanthospermum hispidum</i> DC.	Sana Gokhara	Dec.-June	Keshpur, Pathara and Madhurja.
<i>Ageratum conyzoides</i> L.	Pokunga	All the year round.	Belapada. Nairy and Gaurangapatna.
<i>Bidens bitenata</i> (Lour.) Merr. & Sherff	Magha latenga	Sept. - Dec.	Keshpur, Belapada and Nairy.
<i>Blainvillea acmella</i> (L.) Philipson		Sept.-Jan.	Belapada, Madurja and Sorana.
<i>Blumea aurita</i> (L. f.) DC.	Pakasunga	Jan.-March	Madhurja and Nairi
<i>Blumea lacera</i> (Burm.f.) DC.	Pokasunga	Feb.-June.	Barkul, Inzanpur and Gadishagada.
<i>Blumea oxydonta</i> DC.		Jan.-June	Odiapur and Samolo
<i>Caesulia axillaris</i> Roxb.	Jamjuria	Aug-Jan.	Kalupada, Inzanpur, Kansaria and Sorana
<i>Centipeda minima</i> (L.) A Braun & Asch.	Nakchika	Mar-Jan.	Mangalajodi, Bhusandapur and Nairi
<i>Chromolaena odorata</i> (L.) R. King & H. Robins	Pokasunga	Oct.-Dec.	Chandraput, Ghantasila, Badakuda
<i>Eclipta prostrata</i> (L.) L.	Kesatura	Aug- Dec.	Nairi Jetty, Sabulia and Samolo.
<i>Elephantopus scaber</i> L.	Mayur chulia	Aug.-Dec.	Kanakasankha, Palur, keshpur and Chandikhol.
<i>Emilia sonchifolia</i> (L.) DC	Sarkara	Aug.-Apr	Pathara, Keshpur and Nairi.
<i>Enydra fluctuans</i> Lour.	Hidimichi	Dec.- Feb.	Kalupada, Nairi, Sorana and Palur
<i>Epaltes divaricata</i> (L.) Cass.		Dec.-Mar.	Samolo, Badakuda and Baulabandha.
<i>Gnaphalium polycaulon</i> Pers.		Jan.-Apr	Mangalajodi, Nairi and Kankadakuda.
<i>Grangea maderaspatana</i> (L.) Poir.	Agnikumari	Jan.-Apr	Keshpur, Sorana and Baulabandha.
<i>Launea sarmentosa</i> (Willd.) Schultz-Bip. ex Kuntze.		Mar-Nov.	Goliabandha, Rambha and Madhurja.



<i>Mikania micrantha</i> Kunth						Barkul, Samolo and Ghantasila
<i>Parthenium hysterophorus</i> L.		Nakachana	Jan.-April			Barkul, Nairi and Belapada.
<i>Pentanema indicum</i> (L.) Ling		Bana Sebati	Oct.-Apr			Bhaseramundia
<i>Sphaeranthus indicus</i> L.		Kadamba Bhuin	Nov.-June.			Kalupada and Bhusandapur.
<i>Spilanthes paniculata</i> Wall.			Nov.-Mar.			Barakul
<i>Synedrella nodiflora</i> (L.) Gaertn.			Oct-Feb.			Sanakuda and Belapada
<i>Tridax procumbens</i> L.		Bisalyakarani	Sept.-Feb.			Barkul, Sorana and Belapada.
<i>Vernonia cinerea</i> (L.) Less.		Pokasungo	All the year round.			Gopakuda, Alupatna and Chandikhol
<i>Xanthium indicum</i> Koenig		Bada Gokhara	Most part of the year			Upulialapur and Barkul.
<b>Campanulaceae</b>			Throughout the year.			
<i>Sphenoclea zeylanica</i> Gaertn.		Pani Maricha	Oct.- May.			Bhusandapur, Kalupada, Sorana and Kanakasankha.
<i>Wahlenbergia marginata</i> (Thunb.) A. DC.			Jan.-Apr			Gopakuda, Kalupada and Bhusandapur.
<b>Lobeliaceae</b>						
<i>Lobelia alsinoides</i> Lam.		Painmali	Sept.-Dec.			Diandein, Gadishagada and Nimuna.
<b>Plumbaginaceae</b>						
<i>Plumbago zeylanica</i> L.		Dhola Chitaparu	Sept.-Apr			Samolo and Kalijugeswara.
<b>Myrsinaceae</b>						
<i>Aegiceras corniculatus</i> (L.) Blanco.		Teluni, Kharsi	Feb.-Apr			Ghantasila.
<b>Sapotaceae</b>						
<i>Manilkara hexandra</i> (Roxb.) Dubard		Khirmi, Khirokuli	Nov.-Jan.			Nimuna, Rahanabeli and Gaurangapatna.
<i>Manilkara zapota</i> (L.) P. Royen		Sapeta	Apr-July.			Nairi
<i>Mimusops elengi</i> L.		Baula, Bakula	Apr-May			Gaurangapatna and Alupatna.
<i>Xantolis tomentosa</i> (Roxb.) Rafin.		Kantabohul	Apr-June			Sorana, Gopakuda and Kalijugeswara.
<b>Ebenaceae</b>						
<i>Diospyros chloroxylon</i> Roxb.		Gourkasa, Kosai	June-July			Khadiparbata, Sorana and Gadisagada.
<i>Diospyros ferrea</i> (Willd.) Bakh.		Gaurkasa	Jan.-Mar			Sanakuda, Chhtragadamasani and Gurubahi
<i>Diospyros montana</i> Roxb.		Halda	Apr-June			Sanakuda and Arakhakuda.
<i>Diospyros sylvatica</i> Roxb.		Kalachua	Apr-July			Samolo and Rambhartia.
<b>Oleaceae</b>						
<i>Jasminum auriculatum</i> Vahl.		Bana Malli, Jui	Apr-July			Sanakuda, Arakhakuda and Janhikuda.
<i>Jasminum sambac</i> (L.) Ait.		Malli	Apr-June			Ghantasila, Badakuda, Nimuna and Kanakasankha.
<i>Jasminum scandens</i> Vahl.		Ban mali	Nov.-Feb.			Alupatna and Chandikhol.
<i>Nyctanthes arbor-tristis</i> L.		Gangasituli, Singadahara	Sept-Oct.			Nairi, Gurubahi and Janhikuda.
<i>Olex psittacorum</i> (Lam.) Vahl		Bhadabhadalia	Mar-Aug.			Kalijai, Kalijugeswara and Madhurja.

**Salvadoraceae**

*Azima tetraacantha* Lam  
*Salvadora persica* L.

**Apocynaceae**

*Aganosma caryophyllata* (Roxb. ex Sims) G. Don.  
*Alstonia scholaris* (L.) R. Br.  
*Anodendron paniculatum* A. DC.  
*Carissa carandas* L.  
*Carissa inermis* Vahl.  
*Carissa spinarum* L.  
*Cascabela thevetia* (L.) Lippold

*Catharanthus pusillus* (Murr.) G. Don.

*Catharanthus roseus* (L.) G. Don.

*Ervatamia divaricata* (L.) Burkill

*Holarthenapubescent* (Buch.-Ham.) Wall. ex G. Don

*Ichnocarpus frutescens* (L.) R. Br.

*Plumeria rubra* L.

*Rauwolfia serpentina* (L.) Benth. ex Kurz.

*Rauwolfia tetraphylla* L.

*Vallaris solanacea* (Roth) Kuntze

*Wrightia arborea* (Dennst.) Mabb.

**Periplocaceae**

*Cryptolepis sinensis* (Lour.) Merr.

*Hemidesmus indicus* (L.) R.Br.

**Asclepiadaceae**

*Calotropis gigantea* R.Br.

*Calotropis procera* (Ait.) R. Br.

*Caralluma adscendens* (Roxb.) Haw.

*Ceropegia candelabrum* L.

*Gymnema sylvestre* (Retz.) R. Br. ex Schult.

*Leptadenia reticulata* (Retz.) Wight & Arn.

*Oxystelma esculenta* (L. f.) R. Br. ex Schult.

		Mar-May		Samolo, Ghantasila and Kalijugeswara.
	Pilu, Mirga	Mar-May		Ghantasila, Kalijugeswara, Badakuda and Samolo
	Malati	July-Sept	Feb.-Apr	Gopakuda and Sorana
	Chhatiana	Nov.- Jan.	May-Sept.	Chandikhol and Madhurja.
	Karanda koli	Feb.-April	Jan.-March	Nairi, Bhusandapur, Inzanpur and Nimuna
	Kerenda	Mar-Apr	July-Oct.	Ghantasila, Kalijugeswara and Sorana.
	Dudhakoli	Apr	May	Chandikhol, Alupatna and Pathara.
	Koniayari,	Mar-May	Oct.-Dec.	Gurubahi and Janhikuda.
	Koniaphula	Most part of the year.		Rambhartia and Ghantasila.
		Aug-Jan		Gopakuda
	Sadabihari	All the year round.		Gurubahi, Madhurja and Alupatna.
	Tagar, Tarata	Most part of the year.		Arakhakuda and Bidharapur.
	Indrajala, Koruan	May-July	Oct.-Feb.	Gurubahi, Baulabandha and Patnasi.
	Suamanai, Dudhi lata	Sept.-Dec	Jan.-Apr	Charichhok and Ghantasila
	Kath champa	Most part of the year	Jan.-Feb.	Gurubahi, Nimuna village and Sabulia.
	Patala Garuda,	May- Nov.		Gurubahi and Badakuda island.
	Sarpagandha	Most part of the year.		Badakuda
	Haparmalli	Apr-May	Nov.-Jan.	Keshpur, Sorana jetty, Samolo and Chandikhol.
	Bada kurei, Bada Koruan	Apr-July	Dec.- Feb	Rambha, Palur canal, Ghantasila and Gurubahi.
	Banshakhapuri	Sept.-Mar.		Rambha, Palur and Barkuda.
	Anantamula	Aug.-Dec.	Dec.-Feb.	Kalijugeswara and Kankadakuda.
	Arka, Arakha	Dec.-July	Feb.-June	Rambha, Madhurja and Mirzapur.
	Arka, Arakh	Mar-June		Barkul, Mirzapur and Alupatna.
		July-Dec.		Keshpur, Odialpur and Gaurangapatna.
	Gudamari	Aug.-Oct.	Jan.- Mar	Badakuda.
	Koila saga	June-Oct.	Mar-Apr	Nimuna village and Sorana jetty.
	Dudhialata	Aug-Dec.		Rambha, Satapada.
				Barkul

<i>Pentatropis capensis</i> (L.f.) Bullock			Mar-June	Nov.	Ghantasila, Gopakuda
<i>Pergularia daemia</i> (Forssk.) Chiov.		Uturudi, Iturudi	Aug.-Dec.	Jan.-Apr	Kankadakuda and Nairi.
<i>Sarcostemma acidum</i> (Roxb.) Voigt.		Somlata			Ghantasila and Badakuda islands.
<i>Tylophora indica</i> (Burm. f.) Merr.		Swasamari			Ghantasila, Kalijugeswara and Gheekhol.
<b>Strychnaceae</b>					
<i>Strychnos nux-vomica</i> L.		Kochila, Kuchilla	Mar-Apr	Dec.-Jan.	Sanakuda and Hunjana.
<i>Strychnos potatorum</i> L. f.		Nirmali	May	Oct.-Dec.	Kalijugeswara, Badakuda and Nairi.
<b>Spigeliaceae</b>					
<i>Mitrasacme pygmaea</i> R. Br.				Sept-Nov.	Mangalajodi, Kalupada and Bhusandapur.
<b>Gentianaceae</b>					
<i>Canscora decussata</i> (Roxb.) Schult & Schult.f.		Painkimircha	Sept-Dec		Barkul, Keshpur and Baulabandha.
<i>Canscora diffusa</i> (Vahl) R. Br.			Dec- Mar		Nandala, Kalupadaghat
<b>Menyanthaceae</b>					
<i>Nymphoides hydrophylla</i> (Lour.) Kuntze		Paniseuli	Year round		Inzanpur and Northern part of Chilika.
<i>Nymphoides indica</i> (L.) Kuntze.			Year round		Kalupada and Bhusandapur.
<b>Hydrophyllaceae</b>					
<i>Hydrolea zeylanica</i> (L.) Vahl		Nilatara	Nov.- Apr		Upulialapur, Sabulia and Madhurja.
<i>Hydrolea zeylanica var. erecta</i> Haines			July-Aug	Sept-Nov	Nandala
<b>Ehretiaceae</b>					
<i>Carmona retusa</i> (Vahl) Masam.		Kujjipana	July-Dec		Badakuda, Keshpur and Belapada.
<i>Ehretia laevis</i> Roxb.		Masania	Jan.-Mar	Apr-May	Alupatna, Gheekhol and Binchimpatna.
<i>Cordia dictotoma</i> G. Forst.		Gualakoli	Mar-Apr	July-Sept.	Rambha, Madhurja, Gopakuda and Sabulia.
<i>Cordia myxa</i> L.			Mar-June	Sept-Nov	Hunjana
<b>Boraginaceae</b>					
<i>Coldenia procumbens</i> L.		Hansapadi	Most part of the year.		Kalupada, Sorana and Bidharapur.
<i>Heliotropium curassavicum</i> L.			Mar-Jan		Samolo, Barunakuda and Chandikhol.
<i>Heliotropium indicum</i> L.		Hatisundha	Most part of the year.		Sorana and Nairi
<i>Heliotropium marifolium</i> Retz.					Arakhakuda, Mirzapur and Odialpur.
<i>Heliotropium strigosum</i> Willd.			Throughout the year		Samolo, Kalijugeswara and Badakuda.
<b>Convulvaceae</b>					
<i>Argyreia cymosa</i> (Roxb.) Sweet			Nov. Dec.	Feb.	Belapada, Hunjana and Sorana.
<i>Argyreia nervosa</i> (Burm.f.) Boj.		Brudhadaraka	July-Sept.	Nov.-Apr	Rambha, Madhurja, Sanakuda and Kalijugeswara.
<i>Cressa cretica</i> L.		Dahna	Feb-May		Barunakuda, Chandikhol and Arakhakuda.
<i>Erycibe paniculata</i> Roxb.		Dur koli	May-June	Mar-May	Gurubahi, Janhikuda and Samolo.

<i>Evolvulus alsinoides</i> (L.) L.	Bichhamalia	July-Feb.	Samolo, Belapada and Gaurangapatna
<i>Evolvulus nummularius</i> (L.) L.	Bichhamalia	July-Nov.	Kalupada, Sorana and Baulabandha.
<i>Hewittia scandens</i> (Milne) Mabbertley		July-March	Sanakuda and Madhurja
<i>Ipomoea alba</i> L.	Kunja-lata	Sept.-Dec.	Keshpur, Chhatragadamasani.
<i>Ipomoea aquatica</i> Forsk.	Kalama saga	Nov-Feb.	Keshpur, Kanakasankha and Inzanpur.
<i>Ipomoea carnea</i> ssp. <i>fistulosa</i> (Mart.ex Choisy) Austin	Amari, Kalama	All the year round.	Samolo, Keshpur and Sabulia.
<i>Ipomoea dichroa</i> (Roem. & Schult.) Choisy			
<i>Ipomoea nil</i> (L.) Roth.	Nila Kalama	Nov.-April	Odiapur and Barunakuda
<i>Ipomoea obscura</i> Ker-Gawl.		Sept.-Nov.	Pathara, Madhurja and Belapada.
<i>Ipomoea pes-caprae</i> (L.) R. Br.	Kansari nata	Sept.-Apr	Barkul, Luniput and Gaurangapatna.
<i>Ipomoea pes-tigridis</i> L.	Bileipanjha	Most part of the year.	Odiapur, Arakhakuda, Sipakuda and Samolo.
<i>Ipomoea sepriaria</i> Koenig ex Roxb.	Mushakani	Aug.-Dec.	Samolo, Keshpur and Sabulia.
<i>Jacquemontia paniculata</i> (Burm.f.) Hall.f.		Oct.-Apr	Rambha, Ghantasila and Sanakuda.
<i>Merremia emarginata</i> (Burm.f.) Hall. f.	Musakani	Throughout the year	Kanakasankha and Baulabandha
<i>Merremia hederacea</i> (Burm.f.) Hall.		Sept.-Feb.	Belapada, Keshpur and Barakul.
<i>Merremia tridentata</i> (L.) Hall.f.		Sept.-Apr	Palur, Belapada, Sorana and Hunjana.
<i>Merremia tridentata</i> ssp. <i>hasitata</i> (Hall.f.) Ooststr.		July-Apr	Keshpur and Pathara.
<i>Merremia umbellata</i> (L.) Hall.f.	Paninai	June- March	Kanakasankha and madhurja
<i>Porana paniculata</i> Roxb.		Jan.-Apr	Kankadakuda and Kalijugeswara.
<b>Cuscutaceae</b>		Oct.-Dec.	Kanakasankha, Sabulia and Gudimala.
<i>Cuscuta reflexa</i> Roxb.	Nirmuli	Oct.-Dec.	Chandikhhol and Belapada.
<b>Solanaceae</b>			
<i>Datura metel</i> L.	Dudura	Throughout the year	Rahanabeli, Ghantasila and Nairi.
<i>Datura stramonium</i> L.	Dudura, Dhatura	July-Dec	Arakhakuda, Inzanpur and Nairi
<i>Lycopersicon esculentum</i> Mill.	Tomato	Throughout the year	Madhurja and Ghantasila
<i>Nicotiana plumbaginifolia</i> Viv.	Hemraj	Apr- Oct.	Kalijugeswara, Khadiparbata and Kalijai.
<i>Physalis minima</i> L.	Tipai	Aug-Jan.	Alanda, Madhurja and Belapada
<i>Solanum melongena</i> L.	Baigan	Throughout the year	Badakuda, Sabulia, Kanakasankha and Keshpur
<i>Solanum nigrum</i> L.	Nunununia	Throughout the year	Rambha, Charichhok and Mirzapur
<i>Solanum trilobatum</i> L.	Nab-hiankuri	All the year.	Rambhartia, Rambha and Sipakuda
<i>Solanum violaceum</i> Ortega, Hort.	Bhejibaigan	Nearly all the year round.	Barkul, Rambha, Madhurja and Gurubahi
<i>Solanum virginianum</i> L.	Ankranti	Nearly all the year round.	Rambha, Mirzapur and Banamalipur

**Scrophulariaceae**

<i>Adenosma indianum</i> (Lour.) Merr.	Rasnajadi	Sept- Nov.	Dec.-Jan.	Kalupada, Bhusandapur and Palur.
<i>Angelonia salicariifolia</i> Humb. & Bonpl.	Mahumaccha	Aug.-Feb.		Sorana, Nairi and Nimuna village
<i>Bacopa floribunda</i> (R. Br.) Wettst		Aug.-Dec.		Mirzapur, Madhurja and Samolo
<i>Bacopa monnieri</i> (L.) Pennell	Brahmi	Apr-Dec.		Kalupada, Bhusandapur and Palur canal.
<i>Centranthera tranquebarica</i> (Spreng.) Merr.		Aug.-Nov.		Dian dein and Baulabandha.
<i>Linnophila heterophylla</i> (Roxb.) Benth.	Ambakasia	Aug.-Nov.		Kalupada and Bhusandapur.
<i>Linnophila indica</i> (L.) Druce.	Keralata	Sept.-Feb.		Rahanabeli, Bhusandapur, Sorana.
<i>Linnophila repens</i> (Benth.) Benth.		Nov.-Feb.		Kankadakuda, Nairi and Palur.
<i>Lindernia anagallis</i> (Burm.f.) Pennell.		May-Dec.		Belapada, Arakhakuda and Madhurja.
<i>Lindernia antipoda</i> (L.) Alston		July-Nov		Odiapur, Keshpur, Belapada and Sabulia.
<i>Lindernia ciliata</i> (Colsm.) Pennell	Khetkura	Sept.-Nov.		Kalupada, Inzanpur and Nairi.
<i>Lindernia crustacea</i> (L.) F. V. Muell.		July-Dec.		Rambha, Belapada and Kharibandhamasani.
<i>Lindernia parviflora</i> (Roxb.) Haines.		Sept.-Apr		Madhurja.
<i>Lindernia viscosa</i> (Horn.) Bold.		Aug.-Oct.		Sorana, Nairi and Rahanabeli.
<i>Mecardonia procumbens</i> (Mill.) Small.		Most part of the year.		Kankadakuda, Badakuda and Gopakuda.
<i>Scoparia dulcis</i> L.	Khelapapada	Throughout the year		Rambha, Madhurja, Gurubahi, Nimuna
<i>Sopubia delphinifolia</i> (L.) G.Don.		Sept.-Nov.		Keshpur, Nimula and Sabulia.
<i>Stemodia viscosa</i> Roxb.		Oct-Jan.		Kalupadaghat
<i>Striga angustifolia</i> (D. Don) Saldanha		July-Nov.		Barkul, Gaurangapatna and Madhurja
<i>Striga densiflora</i> (Benth.) Benth.		Aug.-Oct.		Balugaon, Belapada and Kanakasankha
<b>Lentibulariaceae</b>				
<i>Utricularia aurea</i> Lour.	Bhatudiadala	Nov-Dec.		Kalupada, Mangalajodi and Bhusandapur
<i>Utricularia polygaloides</i> Edgew.		Nov.-Jan.		Kalupada and Bhusandpur
<i>Utricularia stellaris</i> L. f.	Bhaturiadala	Oct.-March		Bhusandpur and Timimuhani
<b>Pedaliaceae</b>				
<i>Pedalium murex</i> L.	Gokshura	Aug.- Nov.		Odiapur, Belapada and Madhurja
<i>Sesamum orientale</i> L.	Khasa, Rasa	July-Dec.		Rambha and Madhurja
<b>Acanthaceae</b>				
<i>Andrographis elongata</i> (Vahl) T. Anders.		Oct.- May.		Ghantasila and Rambha.
<i>Andrographis paniculata</i> (Burm.f.) Wall.	Bhuimiba	Sept.-May.		Alupatna and Bidharpur.
<i>Asystasia gangetica</i> (L.) T. Anders.		Oct.-Dec.		Bhusandapur, Nimuna and Rahanabeli.
<i>Barleria cristata</i> L.	Banpatoli	Sept.-Feb.		Kalijageswara, Khadiparbata and Kalijai

<i>Barleria longiflora</i> L.				Feb	Badakuda, Samolo and Belapada.
<i>Barleria prionitis</i> L.	Daskeranta		Oct.-Feb.		Arakhakuda and Barunakuda.
<i>Barleria strigosa</i> Willd.	Banmalli		Sept.-Nov.	Feb.-May	Janhikuda and Baghamunda.
<i>Blepharis maderaspatensis</i> (L.) Roth			Aug.-Mar.		Hunjana and Arakhakuda.
<i>Blepharis repens</i> (Vahl) Roth			Sept.-Jan.		Rambha, Palur, Madhurja and Gaurangapatna.
<i>Dicliptera bupleuroides</i> Nees.			Sept.-Feb.		Belapada, Ghantasila and Gopakuda.
<i>Dipteracanthus prostratus</i> (Poir.) Nees			July- Jan.		Gurubahi, Chhatragadamasani and Inzanpur.
<i>Dyschoriste depressa</i> Nees in Wall.			Jan-Mar.	Mar- Apr	Rambha, Nairi and Gurubahi
<i>Ecbolium viride</i> (Forssk.) Alston			Aug.-Mar.		Madhurja and Gheekhol
<i>Eranthemum capense</i> L.			Sept-Mar.		Baulabandha, Kanakasankha and Gheekhol.
<i>Hemidaphnis polysperma</i> (Roxb.) Nees			Nov.-Mar.		Mangalajodi, Rahanabeli and Baulabandha.
<i>Hemigraphis hirta</i> (Vahl) T. Anders.			Mar-May		Mirzapur, Chandikhol and Pathara.
<i>Hemigraphis latebrosa</i> (Heyne ex Roth) Nees	Barengphul		Nov. -Apr		Gaurangapatna, Kalupada and Sabulia.
<i>Hygrophila schultii</i> (Buch.-Ham.) Almeida & Almeida	Koelekha		Oct. - Feb.		Upulialapur, Belapada and Madhurja.
<i>Indoneesiella echtioides</i> (L.) Sreemadh.	Bad Bhuinnima		Aug.-Jan.		Ghantasila, Barunakuda and Kalijugeswara.
<i>Justicia adhatoda</i> L.	Basanga, Basak		June-Feb.		Sanakuda and Gurubahi
<i>Justicia betonica</i> L.			Oct.-Mar.		Nairi, Baulabandha, Gheekhol and Nimuna
<i>Justicia glauca</i> Rottl.			Sept.-Dec.		Kalupada, Inzanpur and Nairi.
<i>Justicia japonica</i> Thunb.			Sept.-Jan.		Rambha, Keshpur, Belapada and Nimuna
<i>Justicia quinqueangularis</i> Koenig exRoxb.			Most part of the year.		Samolo and Gaurangapatna.
<i>Lepidagathis fasciculata</i> (Retz.) Nees	Rasna		Jan.-June.		Sanakuda, Madhurja and Baulabandha
<i>Lepidagathis hamiltoniana</i> Nees.			Oct-Apr		Samolo, Keshpur and Chhatragadamasani.
<i>Lepidagathis incurva</i> Buch.-Ham.ex D.Don			Dec.-May.		Nairi, Kalupada and Bhusandapur.
<i>Peristrophe paniculata</i> (Forssk.) Brummitt.	Nasa bhaga		Nov.-Mar.		Sabulia and Kanaka sankha.
<i>Phaulopsis imbricata</i> (Forssk.) Sw.			Nov.-Mar.		Pathara, Upulialapur and Madhurja.
<i>Ruellia tuberosa</i> L.			June-Feb.		Samola, Sabulia and Kanakasankha
<i>Rungia pectinata</i> (L.) Nees	Sankha saga		Most part of the year		Kankasankha and Krushnaprasad.
<i>Rungia repens</i> (L.) Nees			Oct.-Mar.		Kalupada, Inzanpur and Baulabandha
<i>Sericocalyx scaber</i> (Nees) Bremek.	Khakusa		Jan.-May.		Belapad, Baulabandha and Keshpur.
<i>Thunbergia fragrans</i> Roxb.	Chakrakedar		Oct.-Mar.		Kadiparbata, Krushnapradad and Kalijugeswara.
<b>Verbenaceae</b>					
<i>Clerodendrum inerme</i> (L.) Gaertn.	Nutungga, Guhia		Most part of the year.		Sanakuda and Samolo.
<i>Clerodendrum viscosum</i> Vent.	Genguti, Kunti		Jan-Mar	Apr-July.	Barkul, Sorana and Nairi.
<i>Gmelina arborea</i> Roxb.	Gamhari		Mar-Apr	May-June	Kansarimuhana and Inzanpur

<i>Lantana camara</i> var. <i>aculeata</i> (L.) Moldenke	Naguari, Putus	All the year round.	Sanakuda, Gurubahi and Janhikuda.
<i>Lippia javanica</i> (Burm.f.) Spreng.	Naguari	Mar-Dec.	Pathara, Belapada and Sabulia.
<i>Phyla nodiflora</i> (L.) Greene	Gosingi	Most part of the year.	Kalijai, Kankadakuda and Pathara.
<i>Premna corymbosa</i> (Burm.f.) Rottl. & Willd.	Agnibathu	June-Feb.	Badakuda, Belapada, Nimuna and Madhurja
<i>Premna latifolia</i> Roxb.	Gandhana	Apr-June.	Ghantasila and Kalijugeswara.
<i>Premna latifolia</i> var. <i>mucronata</i> (Roxb.) C. B. Clarke	Gandhana	Apr-May	Baulabandha
<i>Premna serratifolia</i> L.	Ganiari	April-June	Samolo and Kalijugeswar
<i>Premna tomentosa</i> Willd.	Subundi, Jhandakai	March-April	Ghantasila and Madhurja
<i>Stachytarpheta jamaicensis</i> (L.) Vahl.	Jalajali	Apr-Nov.	Nimuna, Keshpur and Nairi.
<i>Symphorema involucreatum</i> (Jacq.) Vahl		March-April	Keshpur, Samolo and Gaurangapatna
<i>Tectona grandis</i> L.	Sagan	July- Aug	Patnasi, Pathara, Chhatragada Masani.
<i>Vitex negundo</i> L.	Begunia	Most of the year.	Bidharapur and Belapada.
<i>Vitex trifolia</i> L.	Begundia	July	Hunjana, Samolo and Sanakuda
<b>Lamiaceae</b>			
<i>Acrocephalus hispidus</i> (L.) Nicolson & Sadasiv.		Sept.-Dec.	Kalupada, Sorana and Nairi.
<i>Anisochilus carnosus</i> (L.f.) Wall.	Bennia	Sept.-Feb.	Badakuda, Samolo and Kalijugeswara.
<i>Anisomeles indica</i> (L.) Kuntze		Sept.-Mar.	Kalijai, Ghantasila and Samolo.
<i>Geniosporum tenuiflorum</i> (L.) Merr.		June-Oct.	Golabandha, Charichhok and Odialpur.
<i>Hyptis suaveolens</i> (L.) Poit.	Ganga tulsi	Sept.- Jan.	Samolo, Ghantasila and Barunakuda.
<i>Leonotis nepetifolia</i> (L.) R.Br.	Kontasidha, Sidha	Oct.-Jan.	Sabulia, Gaurangapatna and Kanaka sankha.
<i>Leucas aspera</i> (Willd.) Link.	Gayasa	July-Jan.	Ghantasila, Sanakuda and Gudimala.
<i>Leucas lavandulifolia</i> Sm. <i>Leucas stricta</i> Benth.	Goisa	Aug.- June	Samolo, Nairi, Madhurja Barunakuda and Badakuda.
<i>Ocimum basilicum</i> L.	Durlabha	Sept.-June.	Ghantasila and Chandikhol.
<i>Ocimum canum</i> Sims.	Ganga tulsi, Ban tulsi	June- Mar.	Ghantasila and Sanakuda.
<i>Ocimum gratissimum</i> L.	Ban tulsi	Aug.-Apr	Sanakuda and Samolo.
<i>Ocimum sanctum</i> L.	Tulasi	Dec.-Jan.	Ghantasila, Gurubahi, Charichhok and Janhikuda
<i>Orthosiphon pallidus</i> Benth.	Gaya Tulasi	Aug.-Nov.	Bahgamunda, Luniput and Alupatna.
<i>Pogostemon benghalensis</i> (Burm.f.) Kurz	Gonda-dulia, Pakasunga	Jan.-April	Kalijugeswara and Sanakuda
<b>Nyctaginaceae</b>			
<i>Boerhavia chinensis</i> (L.) Asch. & Schweinf.		Aug.-Nov.	Barkul, Chhatragadamassni and Inzanpur.
<i>Boerhavia diffusa</i> L.	Puruni	Most part of the year.	Alupatna, Ghantasila and Khadiparbata.
<i>Bougainvillea spectabilis</i> Willd.	Kagajaphula	Throughout the year	Kalijugeswara and Arakhakuda.
<i>Pisonia aculeata</i> L.	Hathi Ankusa	Feb.-May.	Rambha, Samolo and Badakuda.

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**Amaranthaceae**

<i>Achyranthes aspera</i> L.	Apamarnga	Oct.-Feb.	Odialapur and Belapada.
<i>Achyranthes bidentata</i> Bl.		Aug.-Dec.	Keshpur, Pathara and Alupatna.
<i>Aervalanata</i> (L.) Juss. ex Schultes.	Paunsia	Aug.-Jan.	Nimuna, Sorana and Rahanabelli.
<i>Aerva sanguinolenta</i> (L.) Bl.	Chauladhua	Sept- May.	Samolo, Ghantasila and Keshpur.
<i>Allmania nodiflora</i> (L.) R. Br. ex Wight		July- Dec.	Khadibarabata and Alupatna.
<i>Alternanthera ficoidea</i> (L.) Beauv.		Sept-Dec.	Kalupadaghat, Mangalajodi and Madhurja
<i>Alternanthera paronychioides</i> St.-Hil.		Feb-Apr	Naiiri, Bhusandpur and Gaurangapatna
<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Aligator weed (E)	May-November	Kalupada, Barkul, Mangalajodi
<i>Alternanthera pungens</i> Kunth		Aug-Feb	Kalupada, Belapada, Gurubahi
<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Madaranga saga	July-Dec	Bhusandapur, Kalupada, Kankadakuda.
<i>Amaranthus spinosus</i> L.	Kanta Leutia	Most of the year.	Kalupada, Mangalajodi and Rahanabeli.
<i>Amaranthus viridis</i> Linn.	Leutia	Throughout the year	Keshpur, Ghantasila and Gaurangapatna.
<i>Celosia argentea</i> L.	Nahanga saga	Aug.-Jan.	Sabulia and Madhurja.
<i>Centrostachys aquatica</i> (R. Br.) Wall. ex Moq.		July-Dec.	Keshpur and Madhurja
<i>Digera muricata</i> (L.) Mart.	Gungatiya	Aug.-Nov.	Kalijugeswara, Khadiparbata and Kalijai.
<i>Gomphrena celosioides</i> Mart.		Throughout the year	Arakhakuda, Belapada and Keshpur.
<i>Pupalia lappacea</i> (L.) Juss	Jatjatia	Aug- Jan.	Gadisagada and Nimuna village.
<i>Trichuriella monsoniae</i> (L. f.) Bennet			Odiapur, Gaurangapatha and Bhusandapur.
<b>Chenopodiaceae</b>			
<i>Salicornia brachiatata</i> Roxb.		Aug.- Mar.	Satapada, Nalabana, Malatikuda, Badakuda
<i>Suaeda maritima</i> (L.) Dumort.	Giriya	Apr-Dec.	Arakhakuda, Sipakuda, Odiapur and Banamalipur.
<b>Basellaceae</b>			
<i>Basella alba</i> L.	Poi	Throughout the year	Ghantasila, Kalijugeswara and Gopakuda.
<b>Aristolochiaceae</b>			
<i>Aristolochia indica</i> L.	Panairi, Oyidi	July-Oct.	Ghantasila and Khadiparbata.
<b>Polygonaceae</b>			
<i>Polygonum barbatum</i> L.		Nov.-Feb.	
<i>Polygonum glabrum</i> Willd.		Throughout the year	Kalupada and Bhusandapur
<i>Polygonum hydropiper</i> L.		Sept-Feb	Sunderpara, Nalabana and Mangalajodi
<i>Polygonum plebeium</i> R.Br.		Dec	Belapada, Palur and Rahanabeli
<i>Polygonum pulchrum</i> Bl.	Muthi Saga	Jan- May	Rahanabeli, Kanakasankha and Patnasi
<i>Rumex maritimus</i> L.		Throughout the year	Rambha and Sabulia
		Mar-Apr	Kalupada, Hunjana and Bhusandapur

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<b>Piperaceae</b>						
<i>Peperomia pellucida</i> (L.) Kunth			Aug.-Feb.			Ghantasila
<b>Lauraceae</b>						
<i>Cassytha filiformis</i> L.		Nirmul	Oct-Feb			Sanakuda, Keshpur and Madurja.
<i>Listea glutinosa</i> (Lour.) Robyns.		Lodha, Patraraj	June- July	Sept.-Nov.		Hunjana, Hatabaradi and Sabulia.
<b>Hernandiaceae</b>						
<i>Gyrocarpus americanus</i> Jacq.			Jan.-Feb.	Apr-May.		Ghantasila.
<b>Loranthaceae</b>						
<i>Dendrophthoe falcata</i> (L.f.) Etting.		Madang	Nov.-Apr			Gurubahi, Gheekhol and Dangua.
<i>Viscum articulatum</i> Burm. f.		Malang	Dec.-Jan.	March-April		Ghantasila and Badakuda
<b>Euphorbiaceae</b>						
<i>Acalypha indica</i> L.		Indramaricha	July-Dec.			Madhurja and Mirzapur.
<i>Acalypha lanceolata</i> Wild.			Aug. - Nov.			Chandikhoh, Arakhakuda and Baghamunda.
<i>Antidesma ghaesembilla</i> Gaertn.		Katha Marmuri	Apr-June	Sept.-Oct.		Pathara and Keshpur.
<i>Baliospermum montanum</i> (Willd.) Muell.- Arg.		Danti	Oct-Apr			Sorana, Sabulia and Gaurangapatna.
<i>Breynia retusa</i> (Dennst.) Alston.		Jajan	Apr-Aug.			Kalijugeswara and Badakuda.
<i>Breynia vitis-idaea</i> (Burm.f.) Fischer.		Jajan, Jhanjika	Mar-Feb.			Samolo, Kalijai and Sanakuda.
<i>Bridelia retusa</i> (L.) Spreng.		Kasi	Aug.-Oct.	Sept.-Jan.		Samolo, Barunakuda and Gopakuda.
<i>Chrozophora prostrata</i> Dalz.			Jan.-May.			Upulialapur, Hatabaradi and Sabulia.
<i>Chrozophora rototleri</i> (Geisel.) Juss.			Most part of the year.			Barkul and Diandein.
<i>Croton bonplandianus</i> Baill.		Lankamaricha	All the year round.			Odiatalpur, Belapada and Barkul.
<i>Croton caudatus</i> Geisel.		Furudi	Apr-Aug.			Nimuna, Kansari and Rambha.
<i>Dimorphocalyx glabellus</i> Thw.		Gaigutia	Mar-Apr			Ghantasila
<i>Euphorbia antiquorum</i> L.		Dokanasiju	Dec.-Apr			Sorana, Sanakuda.
<i>Euphorbia caducifolia</i> Haines		Khirsiju	Jan.-Apr			Kalijai, Kankadakuda and Kalijugeswara.
<i>Euphorbia hirta</i> L.		Chita-kutei	Throughout the year.			Ghantasila and Belapada.
<i>Euphorbia ligularia</i> Roxb.		Siju	Mar-Apr			Samolo, Keshpur and Charichhok.
<i>Euphorbia rosea</i> Retz.			Oct			Samolo, Kalijugeswara and Barunakuda.
<i>Euphorbia thymifolia</i> L.		Kalijat Patra-siju	Most part of the year.			Talatala, Charichhok and Chandikhoh.
<i>Euphorbia tirucalli</i> L.		Khadi Siju	July-Oct.			Barkul, Chhatragadamasani and Hatabaradi.
<i>Excoecaria agallocha</i> L.		Guan, Gaugoa	May-June.			Baghamunda, Rambhartia and Mirzapur.
<i>Homonoia riparia</i> Lour.		Pani begonia	Mar-Apr			Gurubahi and Nairi jetty.
<i>Jatropha curcas</i> L.		Gaccha Baigaba	May-Oct.	Most part		Chhatragadamasani, Bidharapur and Samolo.
				of the year.		

<i>Jatropha gossypifolia</i> L.	Baigoba	July-Oct.	Barkul, Belapada and Nairi.
<i>Mallotus nudiflorus</i> (L.) Kulju & Welzen	Panigambhari	Jan-Mar.	Madhurja
<i>Mallotus philippensis</i> (Lam.) Muell.-Arg	Kapilagundi	Oct-Nov	Talatala
<i>Micrococca mercurialis</i> (L.) Benth.	Kharsiju	Aug.-Sept.	Barunakuda.
<i>Pedilanthus tithymalooides</i> (L.) Point.	Narakoli	April-Aug.	Khadiparbata and Gaurangapatna
<i>Phyllanthus acidus</i> (L.) Skeels	Anola, Amla	May.	Sorana
<i>Phyllanthus emblica</i> L.	Bhuianla	Feb.-May	Ghantasila.
<i>Phyllanthus fraternus</i> Webster		July-Oct	Badkuda island and Barkul
<i>Phyllanthus maderaspatensis</i> L.		Oct-Apr	Chandraput, Arakhakuda
<i>Phyllanthus reticulatus</i> Poir.	Jandakhai	Most part of the year.	Samolo and Madhurja
<i>Phyllanthus rotundifolius</i> Klein ex Willd.		May-Oct.	Janhikuda and Alupatna.
<i>Phyllanthus urinaria</i> L.	Bhuin amla	July-Dec.	Bidharpur, Gurubahi and Nimuna
<i>Phyllanthus virgatus</i> Forst.	Bhuiaonla	July-Febr.	Bidharapur, Samolo, Sanakuda and Sorana.
<i>Ricinus communis</i> L.	Jada, Gaba	Most part of the year.	Sanakuda
<i>Sauropus bacciformis</i> (L.) Airy Shaw	Bila Nadia	Most part of the year.	Upulialapur, Keshpur, Samolo and Rambha.
<i>Sebastiania chamaelea</i> (L.) Muell.- Arg.		Most part of the year.	Kalijugeswara and Kankadakuda
<i>Securinea virosa</i> (Roxb. ex Willd.) Baill.	Jajanga	May-Oct.	Nairi, Samolo, Madhurja and Nairi
<i>Suregada multiflora</i> (Juss.) Baill.	Khakkada, Khakra	Mar-Aug.	Ghantasila, Kalijai and Kalijugeswara.
<i>Synadenium grantii</i> Hook.	Patra siju	Jan- Apr	Barakul
<i>Tragia involucrata</i> L.	Bichhuati	Nov.-Apr	Kalijugeswara, Sanakuda, Samolo, Barunakuda.
<b>Ulmaceae</b>			
<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Daurang, Charla	March-April	Ghantasila and Sanakuda
<i>Trema orientalis</i> (L.) Bl.	Jivani, Kharkas	Most part of the year	Bidharpur, Sanakuda and Samolo
<b>Moraceae</b>			
<i>Artocarpus heterophyllus</i> Lam.	Panasa	Dec.-Feb.	Nairi and Gurubahi.
<i>Artocarpus lacucha</i> Roxb. ex Buch.-Ham.	Jeutha	Throughout the year	Madhurja, Gurubahi and Belapada
<i>Ficus arnotiana</i> (Miq.) Ann.	Paras pipal, Plokhyo	June-Sept.	Ghantasila
<i>Ficus benghalensis</i> L.	Bara	All the year round	Belapada, Samolo, Sanakuda, Nairi and Rambha
<i>Ficus benjamina</i> L.	Jilipukar		Ghantasila, Kalijai, Baulabandha and Chandikhol
<i>Ficus benjamina</i> var. nuda (Miq.) Barrett.		Feb.-June	Rambha and Samolo
<i>Ficus hispida</i> L.	Dimiri, Baidimiri	Nov.-July.	Kalijai, Madhurja and Nimuna
<i>Ficus microcarpa</i> L.	Jida	Oct.-Apr	Kankadakuda, Kalijugeswara and Gopakuda
<i>Ficus religiosa</i> L.	Aswatta, Osta	June-Oct.	Badakuda, Gopakuda and Kalupada.
<i>Ficus rumphii</i> Bl.	Jhida	Throughout the year	Khadiparbara and Sanakuda

<i>Ficus tinctoria</i> Forst.f.	Jhirang, Jari	Nov.-Apr	Kalijugeswara, Madhurja and Hatabaradi.
<i>Ficus virens</i> Ait.	Pakoda, Kuajuri	March-Dec.	Ghantasila
<i>Plecospermum spinosum</i> Trecul.	Banabanaka	Jan-Apr	Krushnaprasad
<i>Streblus asper</i> Lour	Sahada	Mar-Apr	Sanakuda, Kalijai, Nairi, Samolo and Inzanpur.
<i>Streblus taxoides</i> (Heyne ex Roth) Kurz	Jhumpuri	Mar-June	Khadiparbata
<b>Urticaceae</b>			
<i>Laportea interrupta</i> (L.) Chew.	Ghodabichuati	Aug.-Oct.	Kalijugeswara, Nimuna and Soarana.
<i>Pilea microphylla</i> (L.) Liebm.		Throughout the year	Kalijai, Ghantasila and Kalijugeswar
<i>Pouzolzia pentandra</i> (Roxb.) Bennett		Aug.-Oct.	Sorana, Inzanpur, Rahanabeli and Kanakasankha.
<i>Pouzolzia zeylanica</i> (L.) Benn.		Aug.-Nov.	Samolo and Madhurja
<b>Casuarinaceae</b>			
<i>Casuarina equisetifolia</i> L.	Jhanu	Apr-May	Talatala, Arakhakuda and Alupatna.
<b>Ceratophyllaceae</b>			
<i>Ceratophyllum demersum</i> Linn.	Chingudiadala	Jan-Mar	Kalupada, baulabandha and sorana
<b>Hydrocharitaceae</b>			
<i>Blyxa echinosperma</i> (C.B.Cl.) Hook.f.		Nov.- Feb.	Kalupada and Rahanabeli.
<i>Halophila beccarii</i> Aschers.		Nov- Jan.	Satapada, Nalabana and Odialpur
<i>Halophila ovalis</i> (R.Br.) Hook.f.		Throughout the year.	Keshpur, Odialapur, Talatala, Arakhakuda
<i>Halophila ovata</i> Asch.		Throughout the year	Khirisahi and Nalabana.
<i>Hydrilla verticillata</i> (Linn. f.) Royle	Bora Jhangi	Oct-Jan	Kalupada and Bhusandapur
<i>Nechamandra alternifolia</i> (Roxb.) Thw.		Oct-Feb	Timimuhani
<i>Ottelia alismoides</i> (L) Pees.	Panikundri	Dec.- Jan.	Rahanabeli, Sorana and Kalupada.
<i>Vallisneria natans</i> (Lour.) Hara	Eel-grass	Oct-Apr	Kalupada, Mangalajodi and Bhusandapur.
<b>Orchidaceae</b>			
<i>Acampe praemorsa</i> (Roxb.) Blatter & Mc Cann.	Kano-kato	Apr-June	Binchinipatna and Ghantasila.
<i>Cymbidium aloefolium</i> (L.) Sw.		May- June	Ghantasila and Samolo.
<i>Vanda tessellata</i> (Roxb.) Hook. ex G. Don	Malang; Kankata	Mar-May	Rambha and Ghantasila.
<b>Costaceae</b>			
<i>Costus speciosus</i> (Koenig) Sm.	Gaigobara, Kaukauka	July-Dec	Gopakuda, Kalijugeswara and Inzanpur
<b>Zingiberaceae</b>			
<i>Globba racemosa</i> Sm.		Aug.-Sept.	Madhurja, Gaurangapatna and Hunjana.
<i>Zingiber zerumbet</i> (L.) Sm.	Gada, Parsukedar		Keshpur, Belapada and Badakuda.
<b>Amaryllidaceae</b>			
<i>Crinum defixum</i> Ker-Gawl.	Kondai	June-Nov.	Klaupada, Sorana, Nimuna and Gudinala.

<b>Agavaceae</b>					
<i>Agave sisalana</i> Perrine ex Engelm.	Sisul	Jan.- Mar.			Kalupada, Mangalajodi and Baulabandha.
<i>Sanseveria cylindrica</i> Bojer.					Chandikhol and Arakhakuda.
<i>Sanseveria roxburghiana</i> Schult. & Schult.	Murga	June- July	Dec		Arakhakuda and Mirzapur.
<b>Hyoxidaceae</b>					
<i>Curculigo orchioides</i> Gaertn.	Kali musli	Apr-Sept.			Badakuda, Diandain, Dangua and Gheekhol.
<b>Dioscoreaceae</b>					
<i>Dioscorea alata</i> L.	Khamboalu	Oct-Dec.			Sorana, Gadishagada and Binchinipatna.
<i>Dioscorea bulbifera</i> L.	Pitakanda/Pita Alu	Aug.-Sept.	Nov.-Dec.		Badakuda, Madhurja and Samolo
<i>Dioscorea hamiltonii</i> Hook.f.	Palru, Sutaalu	Sept.-Oct.	Dec.-Feb.		Madhurja, Gaurangapatna, Rambha and Sabulia.
<i>Dioscorea oppositifolia</i> L.	Panialu	Aug.-Sept.	Nov.		Sabulia, Kanakasankha and Madhurja.
<i>Dioscorea pentaphylla</i> L.	Pitalokanda	Oct.-Dec.			Gheekhol, Madhurja and Kanakasankha.
<i>Dioscorea wallichii</i> Hook. f.	Phalokanda, Tunga Alu	Oct.-Nov.	Dec.-Feb.		Madhurja and Belapada
<b>Liliaceae</b>					
<i>Asparagus racemosus</i> Willd.	Satabari	Sept.-Oct.	Nov. - Dec.		Ghantasila, Mathakona and Gurubahi.
<i>Gloriosa superba</i> L.	Panchangulia, Nangalia	Sept.-Nov.	Nov.- Dec.		Ghantasila and Rambha.
<b>Smilacaceae</b>					
<i>Smilax zeylanica</i> L.	Muturi	Apt-July	Oct-Jan.		Gaurangapatna, Banamalipur and Gheekhol.
<b>Pontederiaceae</b>					
<i>Eichhornia crassipes</i> (Mart.) Solms	Bilatidala	Most part of the year			Kalupada and Vaseramundia.
<i>Monochoria hastata</i> (L.) Solms.	Kajalpatia	Apt-Sept			Kalupada, Palur Canal and Bhusandapur.
<i>Monochoria vaginalis</i> (Burm.f.) Presl.	Mirmira	Aug-Nov.			Kalupada, Sorana and Palur canal.
<b>Commelinaceae</b>					
<i>Commelina benghalensis</i> L.	Kaniseera	July-Jan.			Belapada, Kanakasankha and Nairi.
<i>Commelina diffusa</i> Burm.f.		Aug.-Nov.			Kankadakuda, Kalupada and Bhusandapur
<i>Commelina erecta</i> L.	Kanisiri	Aug.-Dec.			Belapada, Madhurja, Sorana and Nairi.
<i>Commelina longifolia</i> Lam.		July-Oct			Pathara, Chhtragadamasani and Nimuna
<i>Commelinapaludosa</i> Bl.		Sept.-Nov.			Inzanpur, Madhurja, Palur and Gopakuda
<i>Cyanotis cristata</i> (L.) D.Don.		Aug.-Nov.			Kalupada, Bhusandapur and Sorana.
<i>Murdannia nudiflora</i> (L.) Brenan		Sept.-Dec.			Samolo, Kalupada, Kanakasankha and Belapada.
<i>Murdannia spirata</i> (L.) Brueck.		July-Oct.			Nimuna, Sabulia, Palur and Belapda.
<i>Murdannia vaginata</i> (L.) Brueck.		July-Oct.			Kalupada and Nairi
<i>Tonningia axillaris</i> (L.) Kuntze		July-Jan.			Kalupada and Bhusandapur.

**Arecaceae**

<i>Borassus flabellifer</i> L.	Tala	Mar-May	Aug	Sanakuda, Samolo, Charichhok and Talatala.
<i>Calamus guruba</i> Buch.-Ham.	Kanta Beta	Mar-Apr	Dec-Jan.	Gopakuda
<i>Calamus viminalis</i> Willd.	Pani Beta	Sept.-Oct.	Mar-Apr	Mangalajodi, Baulabandha and Kalijugeswara.
<i>Cocos nucifera</i> L.	Nadia	Throughout theyear		Barkul, Inzanpur, Pathara, Nairi and Sorana.
<i>Phoenix acaulis</i> Buch.-Ham.ex Roxb.	BhainKhajuri	Apr	May-June.	Sanakuda, Talatala and Mirzapur.
<i>Phoenix sylvestris</i> (L.) Roxb.	Khajuri	May-Oct.		Talatala, Mirzapur and Alupatna.

**Pandanaceae**

<i>Pandanus odorifer</i> (Forssk.) Kuntze	Kia	July- Oct	Throughout the year	Keshpur, Inzanpur, Sorana, Nairi and Chandikhol.
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**Typhaceae**

<i>Typha angustata</i> Bory & Chaub.	Hangla, Santara	Throughout the year		Inzanpur, Barkul and Kalupada.
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**Araceae**

<i>Amorphophallus paeoniifolius</i> var. <i>campanulatus</i> (Decne) Sivadasan	Olua	Apr-June	Nov	Nimuna, Sorana, Madhurja and Sabulia.
<i>Colocasia esculenta</i> (L.) Schott in Schoot & Endl.	Saru, Bansaru	June-Nov.		Belapada, Keshpur, Madiurja and Sorana.
<i>Pistia stratiotes</i> L.	Borajhanji	May-June.	Nov.- Dec.	Kalupada and Bhusandapur.
<i>Scindapsus officinalis</i> (Roxb.) Schott	Gajapipali	June-July	Jan	Rambha, Baulabandha and Nairi.
<i>Typhonium trilobatum</i> (L.) Schott	Ghekul	May-Jan.		Pathara, Keshpur, Palur and Badakuda.
<i>Lemma perpusilla</i> Torr.				Kalupada and Bhusandpur

**Lemnaceae**

<i>Spirodela polyrrhiza</i> (L.) Schleiden		Sept.-April		Bhusandapur and Tinimuhani
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**Alismataceae**

<i>Linnophyton obtusifolium</i> (L.) Miq.		Feb-Aug.		Kalupadaghat
<i>Sagittaria guayanensis</i> H.B.K.		Aug-Nov.		Kalupada, Mangalajodi and Bhusandapur.
<i>Sagittaria trifolia</i> L.				Belapada, Kanakasankha and Pathara.

**Cymodoceaceae**

<i>Cymodocea serrulata</i> (R.Br.) Asch. & Magnus.		May-June		Pathara
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**Potamogetonaceae**

<i>Halodule pinifolia</i> (Miki) Hartog		Feb- Mar.		Satapada, Khirisahi and Odialapur.
<i>Halodule uninervis</i> (Forssk.) Aschers.		June-July.		Arakhakuda, Sipakuda and Keshpur
<i>Potamogeton crispus</i> L.		May- Oct.		Kalupada and Mangalajodi.
<i>Potamogeton nodosus</i> Poir.		Throughout theyear		Keshpur, Odialapur
<i>Potamogeton octandrus</i> Poir.		Dec.-Mar.		Mangalajodi

<i>Suaenia pectinata</i> (L.) Börner	Charidala	Nov.-Jan.	Nairi, Kalupadaghat, Satapada, Nalabana
<b>Aponogetonaceae</b>			
<i>Aponogeton natans</i> (L.) Engl. & Krause	Ghechu	Sept-Nov	Bhusandapur
<i>Aponogeton undulatus</i> Roxb.			Kalupada and Bhusandapur.
<b>Ruppiaceae</b>			
<i>Ruppia maritima</i> L.		Jan.-May.	Keshpurand Samolo.
<b>Najadaceae</b>			
<i>Najas graminea</i> Dell.		Sept.-Oct.	Bhusandapur
<i>Najas indica</i> (Willd.) Cham.		Apr.-May.	Kalijugeswara, Kansari and Keshpur.
<i>Najas marina</i> L.		Sept-Nov.	Kalupadaghat
<i>Najas minor</i> All.		March	Bhusandapur and Kalupada
<b>Eriocaulaceae</b>			
<i>Eriocaulon quinqueangulare</i> Linn.	Nakachana	Aug-Feb.	Patanasi and Sorana
<b>Cyperaceae</b>			
<i>Bulbostylis barbata</i> (Rottb.) C.B.Cl.		July-Nov	Baghamunda, Mirzapur and Satapada
<i>Cyperus arenarius</i> Retz.		July-May.	Chandikhol, Odialpur and Barunakuda.
<i>Cyperus castaneus</i> Willd.		Aug.-Dec.	Sorana, Barkul and Bhusandapur
<i>Cyperus compressus</i> L.		July-Dec.	Keshpur, Madhurja, Gudinala and Hunjana.
<i>Cyperus cuspidatus</i> Kulth.		Sept.-Nov.	Barkul, Inzanpur, Rahanabeli and Nairi
<i>Cyperus diffusus</i> Vahl		June-Nov.	Sorana, Kalupada and Nairi.
<i>Cyperus distans</i> Linn.		Aug-Nov.	Alupatana, Chandraput, Balugaon, Kalupadaghat
<i>Cyperus dubius</i> Rottb.		Aug.-Oct.	Barunakuda and Mirzapur
<i>Cyperus halpan</i> Linn.		July-Nov.	Barkuda and Barkul.
<i>Cyperus imbricatus</i> Retz		July- Nov.	Palur, Gheekhol, Nairi and Kalupada.
<i>Cyperus iria</i> Linn.		Aug-Jan.	Arakhakuda, Rambha, Pathara
<i>Cyperus kyllinga</i> Endl.		July- Mar.	Odiapalpur and Madhurja.
<i>Cyperus pilosus</i> Vahl		Aug- Dec.	Madhurja, Belapada and Baulabandha.
<i>Cyperus platystylis</i> R.Br.		Apr-Feb.	Chhatragadamasani, Inzanpur, Sorana and Nairi.
<i>Cyperus polystachyos</i> Rottb.		Feb.-Oct.	Samolo, Barunakuda, Mirzapur and Banamalipur.
<i>Cyperus rotundus</i> L.	Mutha, Motha	July-Dec.	Sorana, Nairi, Barkul, Sabulia and Madhurja.
<i>Cyperus triceps</i> Endl.	Chadchadi	May-Dec.	Rambha, Gaurangapatna, Belapada and Kalupada.
<i>Eleocharis dulcis</i> (Burm. f.) Henschel		July-Dec.	Nuapada
<i>Eleocharis geniculata</i> (L.) Roem. & Schult.		June-Jan.	Nimuna and Bhusandpur
<i>Fimbristylis acuminata</i> Vahl		July-Nov.	Khadiarbata, Kalijugeswara and Alanda.

<i>Fimbristylis aestivalis</i> (Retz.) Vahl.		Apr, May.	Kalijugeswara, Sanakuda and Nimuna.
<i>Fimbristylis bisumbellata</i> (Forssk.) Bubani		July-Dec.	Barkuda, Barunakuda and Sorana.
<i>Fimbristylis dichotoma</i> (L.) Vahl.	Bada swanli	July-Nov.	Nimuna, Baulabandha, Balapada
<i>Fimbristylis dipsacea</i> (Rottb.) C. B. Clarke		May-Oct.	Belapada, Upulialpur and Samolo
<i>Fimbristylis ferruginea</i> (L.) Vahl		Oct.-May	Kanakasankha and Nairi
<i>Fimbristylis miliacea</i> (L.) Vahl.	Swanli	Oct.-Jan.	Kalupada, Sorana, Gudinala and Palur.
<i>Fimbristylis ovata</i> (Burm.f.) Kern.	Marmari	June-Dec.	Barkul, Belapada and Chhatragadamasani.
<i>Fimbristylis schoenoides</i> (Retz.) Vahl.	Kesarimalang	Sept.-Nov.	Palur, Gudinala and Bhusandapur.
<i>Fimbristylis umbellaris</i> (Lam.) Vahl		Aug.-Sept.	Mangalajodi and Keshpur
<i>Fimbristylis cymosa</i> var. <i>spathacea</i> (Roth) T.Koyama			Baulabandha and Hunjana
<i>Fuirena ciliaris</i> (L.) Roxb.		Oct-Jan.	Kalupada, Gudinala, Alanda and Sorana.
<i>Fuirena umbellata</i> Rottb.		Sept-Dec.	Rambha, Keshpur, Gudinala and Mangalajodi.
<i>Kyllinga tenuifolia</i> Steud.		July-Sept.	Gopakuda and Upulialpur
<i>Mariscus paniceus</i> (Rottb.) Vahl		June-Aug.	Badakuda, Sunderpara and Bidharpur.
<i>Pycneus flavidus</i> (Retz.) T. Koyama		Sept.-April	Baulabandha and Nairi
<i>Pycneus polystachyos</i> (Rottb.) P. Beauv.		Throughout the year	Upulialpur and Gaurangapatna
<i>Riklilla squarrosa</i> (Linn.) Raynal		Aug-Dec.	Odiapur, Upulialpur, Barunakuda and Samolo
<i>Schoenoplectus articulatus</i> (Linn.) Palla	Kanri, Gaichara	Dec. - Apr	Rambha, Sorana, Kalupada and Nairi.
<i>Schoenoplectus littoralis</i> (Schrader) Palla	Simpala, Sipala Ghas	Oct.-Jan.	Nairi, Sorana, Parikuda
<i>Schoenoplectus supinus</i> ssp. <i>lateriflorus</i> (J. F. Gmel.) T. Koyama		Aug.-Feb.	Rambha and Palur
<i>Scleria terrestris</i> (L.) Fassett		Oct.-May.	Gopakuda, Gurubahi, Jamhikuda and Sabulia.
<b>Poaceae</b>			
<i>Alloteropsis cimicina</i> (L.) Sappf		Aug.-Oct.	Belapada, Kalupada and Sorana.
<i>Aristida setacea</i> Retz.	Ghoda-Ianji	Aug.-Feb.	Patnasi, Alanda and Odialapur.
<i>Bambusa arundinacea</i> (Retz.) Willd.	Kantabanso		Bidharapur and Chhatragadamasani
<i>Bambusa vulgaris</i> Schrad.	Sundrogai	July-Feb.	Barkul and Hunjana
<i>Bothriochloa bladhii</i> (Retz.) S.T.Blake	Gondabena	Aug.-Feb.	Kalupada, Barunakuda and Hunjana.
<i>Bothriochloa pertusa</i> (L.) A. Camus	Basana	Sept-Mar.	Sabulia, Kanakasankha and Nairi.
<i>Brachiaria distachya</i> (L.) Stapf.Chandikhoh.		Sept.-Dec.	Barunakuda, Odialapur and
<i>Brachiaria mutica</i> (Forssk.) Stapf	Paraghasa	Thought out the year	Sorana
<i>Brachiaria ramosa</i> (L.) Stapf.	Banspalli	May-Dec.	Baulabandha, Gheekhol and Madhurja.
<i>Brachiaria remota</i> (Retz.) Haines		July-Nov.	Nimuna and Inzanpur
<i>Chionachne koenigii</i> (Spreng.) Thw.	Phulainr	Aug.-Jan	Gopakuda and Nairi

<i>Chloris barbata</i> Sw.	Jargigandi	Sept.-Jan.	Nairi, Kalupada and Nimuna
<i>Chloris dolichostachya</i> Lagasca.		Oct-Dec.	Kalijugeswara, Khadiparbata, Barunakuda.
<i>Chrysopogon aciculatus</i> (Retz.) Trin.	Guguchia	July-Nov.	Sorana, Inzanpur, Barkul and Nairi.
<i>Coelachne simpliciuscula</i> (Wt. & Arn. ex Steud.) Munro ex Benth.		Oct-April	Gheekhol and Kalupada
<i>Coixilacryma-jobi</i> L.	Gargada, Gargara	Sept-Feb.	Barkul, Inzanpur and Mirzapur.
<i>Cynodon arcuatus</i> J. S. Presl.		March-Sept.	Inzanpur, Baulabandha and Bhusandpur
<i>Cynodon barberi</i> Rang. & Tad.		Through out the year.	Keshpur, Hunjana and Talatala.
<i>Cynodon dactylon</i> (L.) Pers.	Dubaghas	Most part of the year.	Barkul, Nimuna village, Sabulia and Madhurja.
<i>Cyrtococcum accrescens</i> (Trin.) Stapf		Sept.-Oct.	Bidharpur
<i>Cyrtococcum trigonum</i> (Retz.) A. Camus		Sept-Mar.	Rambha, Palur and Keshpur.
<i>Dactyloctenium aegyptium</i> (L.) P. Beauv.	Kakudia	Sept.-Mar.	Sanakuda, Belapada and Alupatna.
<i>Dendrocalamus strictus</i>	Saliabanso	Nov. (sporadically every year)	Samolo, Sanakuda and Odialpur.
<i>Digitaria ciliaris</i> (Retz.) Koeler	Makur-jali	June-Apr	Arakhakuda and Nimuna
<i>Digitaria longiflora</i> (Retz.) Pers.		July-Dec.	Chhatragada and Nairi
<i>Dimeria ornithopoda</i> Trin.		Oct-Dec.	Ghantasila
<i>Dinebra retroflexa</i> (Vahl) Panzer		Aug.-Nov.	Sorana and Kankadakuda.
<i>Diplachne fusca</i> (L.) P. Beauv.		Aug-Nov.	Parikuda, Odialpur and Mirzapur.
<i>Echinochloa colona</i> (L.) Link.	Suan, Suanghas	Most part of the year.	Odialpur, Barunakuda and Alupatana.
<i>Echinochloa stagnina</i> (Retz.) P. Beauv.	Jhipa	Mar-Oct.	Sabulia, Hunjana and Sorana.
<i>Eleusine coracana</i> (L.) Gaertn.	Mandiya, Ragi	Aug.-Nov.	Gaurangapatna, Palur and Rambha.
<i>Eleusine indica</i> (L.) Gaertn.	Ana mandia	Aug. - Feb.	Chhatragadamasani and Inzanpur.
<i>Elytrophorus spicatus</i> (Willd.) A. Camus		Dec.-Feb.	Keshpr and Rahanabeli
<i>Eragrostis ciliaris</i> (L.) R.Br.		Nov.-Feb.	Badakuda, Samolo and Alupatna.
<i>Eragrostis ciliata</i> (Roxb.) Nees			Rahanabeli and Madhurja
<i>Eragrostis coarctata</i> Stapf in Hook.f.	Kujijhipa, Ghirananja	Sept.-Apr	Badakuda, Mirzapur and Odialpur.
<i>Eragrostis gangetica</i> (Roxb.) Steud.	Kankra chare	Sept-Feb.	Kalupada, Baulabandha and Bhusandapur.
<i>Eragrostis japonica</i> (Thunb.) Trin.		Oct-Jan.	Palur, Kankasankha and Gurubahi.
<i>Eragrostis pilosa</i> (L.) P.Beauv.		July- Dec.	Kalupada, Mangalajodi and Kalijugeswara.
<i>Eragrostis tremula</i> (Lam.) Hochst. ex Steud.			Barunakuda, Chandikhol and Mirzapur.
<i>Eragrostis unioloides</i> (Retz.) Nees ex Steud.	Phurphuri	July-Mar.	Hatabaradi, Kalupada and Diandein.
<i>Eriochloa procera</i> (Retz.) Hubbard	Kharaghas	Aug.-Mar.	Arakhakuda, Nimuna and Sorana.
<i>Hackenochloa granularis</i> L.	Trinpali, Kangni	Aug.-Dec.	Barunakuda and Gopakuda
<i>Hemarthria compressa</i> (L.) R.Br.	Gopkena	Aug.-Oct.	Kalijugeswara, kankadakuda and Palur.



<i>Heteropogon contortus</i> (L.) P. Beauv.	Sinkola, Dauria	Sept.-Jan.	Belapada, Dangua, Bidharpur and Hunjana.
<i>Hygroryza aristata</i> (Retz.) Nees ex Wight & Arn.		Oct.	Nimuna, Hatabaradi, Baghamunda and Janhikuda
<i>Hymenachne acutigluma</i> (Steud.) Gilliland		Oct.-Feb.	Kalupada and Bhusandapur.
<i>Imperata cylindrica</i> (L.) Raeusch.	Chhana ghasa	Most part of the year.	Kalupada, Baulabandha and Nairi.
<i>Isachne globosa</i> (Thunb.) Kuntze		Sept.-Nov.	Keshpur and Rahanabeli
<i>Ischaemum indicum</i> (Houtt.) Merr.	Kander	Oct.-Feb.	Hunjana, Binchinipatna and Pathara.
<i>Ischemum rugosum</i> Salisb.	Tuli	Sept.-Feb.	Upulialpur and Gaurangapatna
<i>Iseilema prostratum</i> (L.) Anders.		Aug.-Dec.	Hunjana and Binchinipatna and Madhurja.
<i>Iseilema laxum</i> Hack.	Pandasual	Sept.-Jan.	Nairi and Nimuna
<i>Leersia hexandra</i> Sw.		July-Feb.	Belapada and Odialapur.
<i>Microchloa indica</i> (L. f.) P. Beauv.		Aug.-Sept.	Hatabaradi and Baulabandha
<i>Myriostachya wightiana</i> (Nees ex Steud.) Hook.f		Aprt-Sept.	Arakhakuda, Sipakuda, Janhikuda and Baghamunda.
<i>Opilismenus burmannii</i> (Retz.) P. Beauv.	Kangodia	Oct-Nov.	Kaljjujeswara, Gopakuda, Khadiparbata and Kalijai.
<i>Opilismenus compositus</i> (L.) P. Beauv.	Kauguria, Mohara	Oct.-Dec.	Bidharapur, Rahanabeli and Gudinala.
<i>Oropetum thomaeum</i> (L. f.) Trin.		Sept.-Dec.	Samolo and Mirzapur
<i>Oryza rufipogon</i> Griff.	Balunga	Sept. - Nov.	Barunakuda, Pathara, Keshpur and Madhurja.
<i>Oryza sativa</i> L.	Dhana	Sept.-Jan. and also Apr-May	Keshpur, Gaurangapatna, Inzanpur and Barkul.
<i>Panicum brevifolium</i> L.		Oct.- Nov.	Rambha, Belapada and Keshpur
<i>Panicum notatum</i> Retz.		Sept.-Dec.	Gurubahi, Barunakuada, Baghamunda and Pathara.
<i>Panicum paludosum</i> Roxb.	Dalakrighas	Aug.-Nov.	Parikud, Alupatna, Kalupada and Sorana.
<i>Panicum psilopodium</i> Trin.		July-Jan.	Hatabaradi, Hunjana and Madhurja.
<i>Panicum repens</i> L.	Pani dal, Reda	July- Dec.	Sanakuda.
<i>Panicum walense</i> Mez		Aug.-Nov.	Pathara and Odialpur
<i>Paspalidium flavium</i> (Retz.) A. Camus	Bilainangi	July-Oct.	Kalupada, Sorana and Patnasi
<i>Paspalidium geminatum</i> (Forsk.) Stapf		July-Apr	Kalupada, Patnasi and Chhatragadamasani.
<i>Paspalum distichum</i> L.		Apr-Nov	Keshpur, Odialapur
<i>Paspalum scrobiculatum</i> L.	Kodo, Kodua	Most part of the year.	Mangalajodi, Kalupada and Bhusandapur.
<i>Paspalum vaginatum</i> Sw.		Oct-March	Ghantasila and Rambha
<i>Pennisetum pedicellatum</i> Trin.		Oct-Jan.	Pathara, Alanda, Barunakuda and Sanakuda.
<i>Pennisetum polystachyon</i> (L.) Schult.		Oct.-Dec.	Hatabaradi and Sabulia
<i>Perotis indica</i> (L.) Kuntze		Aug.-Nov.	Samolo, Rambhartia, Arakhakuda and Chandikhol.
<i>Phragmites karka</i> (Retz.) Trin.	Nala ghasa	Sept.-Feb.	Kalupad, to Bhusandapur
<i>Porteresia coarctata</i> (Roxb.) Tateoka	Dhaniharakata	May-Aug.	Alupatna, Mirzapur and Baghamunda.

<i>Pseudoraphis spinescens</i> (R. Br.) Vickery			Aug.-Nov.	Satapada and Chandikhol
<i>Rottboellia cochinchinensis</i> (Lour.) Clayton	Bara swati		Oct.-Nov.	Ghantasila, Rambha on the rocky face of Chilika.
<i>Saccharum benghalense</i> Retz.	Kainsha		Oct.- Jan.	Gaurangapatna and Gopakuda
<i>Saccharum spontaneum</i> L.	Kasatandi, Tandri		Aug.-Feb.	Near Khalikot Ghati, Sabulia and Upulialapur.
<i>Sacciolepis indica</i> (L.) Chase			Aug.-Nov	Kanakasankha and Belapada
<i>Sacciolepis interrupta</i> (Willd.) Stapf.			July-Feb.	Badakuda
<i>Setaria pumila</i> (Poir.) Roem. & Schult.	Sialalanguda		May-Feb.	Nairi, Kalijugeswara and Ghantasila.
<i>Setaria verticillata</i> (L.) P.Beauv.	Bileilanguda		Sept.-Nov.	Nimuna, Sabulia, Upulialapur and Madhurja.
<i>Spinifex littoreus</i> (Burm.f.) Merr.	Sipalaghasa		Sept.-Feb.	Odiyalapur, Gurubahi, Chandikhol and Belapada.
<i>Sporobolus coromandelianus</i> (Retz.) Kunth			Nov.-Jan.	Gopakuda and Samolo
<i>Sporobolus indicus</i> var. <i>diander</i> (Retz.) Jovet & Guedes	Kakrachada		June-Feb.	Keshpur, Hunjana, Janhikuda and Gurubahi.
<i>Trachys muricatus</i> (L.) Pers			Sept.- Nov.	Gheekhol, Baulabandha, Belapada and Keshpur.
<i>Urochloa panicoides</i> P. Beauv.			July-Jan.	Belapada, Chhatragadamasani and Sorana.
<i>Vetiveria zizanioides</i> (L.) Nash.	Bena		Aug.- Jan.	Kalupada, Nairi, Palur and Alanda.
<i>Zoysia matrella</i> (L.) Merr.			Mar- Apr	Barunakuda, Arakhakuda and Pathara

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## References

- Annandale, N. (1922). Introduction to the study of the fauna of an island in the Chilika lake. *Mem. Asiatic Soc. Bengal* 7(4): 257-287.
- Annandale, N. and Kemp, S. (1915). Introduction to the fauna of the Chilika lake. *Mem. Indian Mus.* 5(1): 1-20.
- Biswas, K. (1932). Algal flora of the Chilika lake. *Mem. Asiat. Soc. Bengal* 2(5): 165-198.
- Das, N. C. (1994). *Studies on the role of sediment and water on the productivity of macrophytes in the Chilika Lagoon*. Ph.D. thesis, Berhampur University, Berhampur, pp. 222.
- Gupta, H. P. and Khandelwal, A. (1990). Mangroves of India: History and palynostratigraphy of Chilika lake, Orissa. In: K.P. Jain and R.S. Tiwari, Ed., Proc. Symp. "Vistas in Indian Paleobotany". *Paleobotanist* 38: 379-393.
- Gupta, H. P. and Khandelwal, A. (1992). Mangrove development at Nalban Island, Chilika lake: a palynological interpretation. In: B.S. Venkatchela, K.P. Jain and N. Awasthi, Ed., Proc. Birabal Sahani Birth Centenary Paleob. Conf. *Geophytology* 22: 235-238.
- Haines, H. H. (1921-25). *The Botany of Bihar and Orissa*, (6 parts), Adlard & Son Limited, London
- Khandelwal, A. and Gupta, H. P. (1993). Palynological evidence of mangrove degradation during mid-late halocene at Rambha, Chilika lake, Orissa. *Geophytology* 23(1): 141-145.
- Khandelwal, A. and Gupta, H. P. (1994). Organodebris analysis of Chilika Lake, Orissa, India: An assessment of depositional environment. *Paleobotanist* 42(2): 215-224.
- Mishra, S. C., Dubey, A. K. & Panigrahi, G. (1983). New records of plants for Orissa and critical notes on nomenclature and distribution of certain taxa. *Indian J. For.* 6(4): 289 – 295.
- Mooney, H. F. (1950). *Supplement to the Botany of Bihar and Orissa*, Catholic Press, Ranchi.
- Narayanswami, V. and Carter, H. G. (1922). Systematic list of the plants of Barakuda. *Mem. Asiat. Soc. Beng.* 7(4): 289-319.
- Panda, P. C. and Patnaik, S. N. (1988b). A contribution to the flora and vegetation of Chilika wild life Sanctuary, Orissa. In: *Chilika- The pride of our wetland heritage*. Orissa Environmental Society, Bhubaneswar, pp. 81-85.
- Panda, P. C. and Patnaik, S. N. (2002). An enumeration of the flowering plants of Chilika Lake and its immediate neighbourhood. *Proc. International workshop on Sustainable Development of Chilika lagoon*, Chilika Development Authority, Bhubaneswar, pp. 121-138.
- Panda, P. C., Choudhury, B. P. and Pattnaik, S. N. (1988). New records of plants for the state of Orissa III. *J. Econ. Tax. Bot.* 12(2): 381-382.
- Panda, P. C., Pattnaik, A. K., Rath, G. and S. N. Patnaik (2002). Flora of Chilika lake and its immediate neighbourhood: A check-list. *J. Econ. Tax. Bot.* 26(1): 1-20.
- Panigrahi, G. (1988). Vegetation and flora of the Chilika lagoon. In: *Chilika: The pride of our wetland heritage*, Bhubaneswar. *Orissa Env. Soc.* pp. 63-80.
- Patnaik, S. (1973). A study of the aquatic plants of Chilika lake. *Proc. Nat. Acad. India* 43B (I & II): 53-65.
- Patnaik, S. (1980). Distribution and abundance of larger aquatic plants in Chilika lagoon. In: *Summer Institute of Brackishwater Capture and Culture Fisheries*, CIFRI, Barrackpore, West Bengal, pp. 1-7.
- Pattnaik, A. K., Panda, P. C. & Patnaik, S. N. (2003). Flora and vegetation of Chilika lagoon, Orissa: A synoptic analysis. *Plant Sci. Res.* 25 (1&2): 1-12.
- Pattnaik, A. K., Panda, P. C. and Patnaik, S. N. (2008). The diversity, distribution and taxonomy of sea grasses of Chilika lagoon, Orissa- the largest brackish water lagoon of India. *J. Econ. Tax. Bot.* 32 (2): 381-392.
- Paul, S. R., Balapure, K. M. and Rizvi, S. A. R. (1980). Additional notes on the flora of Orissa. *Indian J. For.* 3 (3): 275-276.
- Rao, B. M. G. (1970). *Forest at the disposal of Chilika fisherman*. In: *The Chilika lake*. Directorate of Fisheries, Orissa, Cuttack, pp. 47-55.
- Rao, T. A. & Mukherjee, A. K. (1975). An ecological study of the strand vegetation of Orissa coast. *Ind. For.* 101: 692 – 702.
- Roy, J. C. (1955). Utility of the forest products of Orissa in the fisheries of the Chilika lake. *J. Bombay Nat. Hist. Soc.* 53: 202-204.