

Preliminary report on the forest flora of East Kameng district, Arunachal Pradesh

L.R. Bhuyan*, Y. Pangu

Systematic Botany Division, State Forest Research Institute, Itanagar, Arunachal Pradesh

*Email: lrbsb2008@gmail.com

Abstract

East Kameng district is less known district in regards of floral and faunal diversity though the district has wide range of altitude starting from 150 m to 2000 m with different agro-climatic zone as per altitudinal variations, tropical evergreen, subtropical (broad leaved) and temperate forests are seen in the district. Unfortunately, very less study and survey has been made so far on the forest flora including socio-cultural aspects. So, many attempts have been made by Systematic Botany Division of State Forest Research Institute, Itanagar for floral survey in the district and accordingly, study have been done separately on timbers, shrubs, herbs, bamboo and grasses, canes and palms, orchids, etc. This paper is to highlight the preliminary study report on the floral diversity of the forest areas of the district.

Keywords: Biodiversity, East Himalaya, Ferns, Orchids.

INTRODUCTION

Arunachal Pradesh, the largest state of North East India is known for its rich biodiversity and is recognized as one of the Biodiversity Hotspot in the world. It lies between the latitude 26°28' N to 29° 30' N and longitude 91°30' E to 97°30' E. Owing to the altitudinal variations ranging from 150 m to 7500 m and agro climatic variations, the state has a very rich and diverse flora and fauna. The state has an area of 83,743 km² of which 51,540 km² (61.55 %) is covered by forests. The major forests types of the state are (i) Tropical semi evergreen forests; (ii) Tropical wet evergreen forests; (iii) Sub tropical forests; (iv) Pine forests; (v) Temperate forests and (vi) Alpine forests (Kaul and Haridasan, 1987).

The flora represented by 4117 species of Angiosperm, including 568 species of orchids (Rao, A.N. 2007), 450 species of medicinal plants, 73 species of bamboos, 18 species of cane, including some rare and endangered species like *Coptis teeta*, *Gymnocladus assamica*, *Hypericum griffithii*, *Sapria*

himalayana, *Lithocarpus kamengensis*, *Rhododendron arunachalensis*, *R. santapau*, *Rhynchoglossum lazulinum*, *Tetracentron sinense*, etc. (Kaul and Haridasan, 1987; Sinha, 2008). It is also richest in Gymnosperms with 39 species and a variety (Haridasan et al., 2001).

The fauna includes 210 mammals, 158 fishes, 113 reptiles, 49 amphibia, 71 species of mollusca, 16 species of annelid, over 760 birds and large number of insects (Sinha, 2008). However, the complete and extensive exploration covering all the areas may add many more species in the floral and faunal diversity of the state.

The East Kameng district is one of the richest areas in terms of biodiversity having diversified forests. Although some scanty information is available of the state, the details of the flora yet to be worked out. Based on our primary field survey during the past two decades, a large number of species are identified and enumerated. The present paper provides a preliminary account of the forest flora of the state.

STUDY AREA

East Kameng district is situated in the western part of Arunachal Pradesh surrounded by West Kameng in the west, Papum Pare in the East, part of Lower Subansiri and Mac Mohan international boundary line in the North and Sonitpur district of Assam in the South covering an area of 4134 km². The entire district barring a small area on the southernmost tip of Assam is mountainous. The district is an extension part of the north east ward Himalayas range. It lies between 26°56' N to 27°59' N Latitudes and 92°36' E to 93°24' E longitudes. The area of East Kameng District is 4,134 km². As per 2011 census, total population of the district is 78,690 persons of which 38,775 are male and 39,915 are female. The major tribes inhabiting this district are *Bangnis (Nishi)*, *Akas*, *Mijis* and *Puroiks*. The climate condition of the district varies largely with topography and altitude. The altitude varies ranging from 362 m to 1906 m. Accordingly, the forest types seen in the district are tropical evergreen, subtropical and temperate.

The Forest

The district has a diverse forest type starting from tropical to temperate forest according to varied altitudinal range from 200 msl to 2000 msl (aprox.). The Pakke Wildlife Sanctuary and Tiger Reserve (under Project Tiger of India) are the best conserved area of the district with very rich flora and fauna covering an area of 862 km² with tropical and subtropical forests. In foothill areas adjoining to Assam, tropical evergreen forest is seen with highly dense forest representing *Bombax ceiba*, *Terminalia myriocarpa*, *Michelia champaca*, *Gmelina arborea*, *Ailanthus grandis*, *Stereospermum chelonoides*, *Duabanga grandiflora*, *Elaeocarpus aristtus*, etc. The common herbaceous species of the

forests are *Chromolaena odorata*, *Clerodendrum viscisum*, *Clerodendrum colebrookianum*, *Solanum torvum*, *Thysanolaena latifolia*, *Saccharum spontaneum*, *Cyathea*, *Diplazium*, etc. The subtropical forests are very prevalent in the area with domination of the species like *Castanopsis hystrix*, *C. armata*, *Quercus lamellosa*, *Q. semiserrata*, *Michelia oblonga*, *Ficus* and climbers like *Rubia manjith*, *Embelia ribes*, etc.

These forests are very rich in NTFPs like bamboo, cane, medicinal and aromatic plants, orchids, broom grass, resin, etc., which have great applicability. Though most of the forests areas in remote places are virgin, many plant species are becoming rare and endangered due to habitat destruction in the form of natural calamities, developmental activities like construction of roads, hydro-power dams, military installations in border areas and also over exploitation of wild populations by local people and traders for medicinal and ethnic uses, fuel, food and fodder. The faunal diversity is also very rich with animals like tiger, leopard, clouded leopard, wild cat, wild dog jackal, Himalayan black bear, binturong, elephant, gaur, sambar, hog deer, barking deer, wild boar, yellow throated Martin, Malayan giant squirrel, flying squirrel, squirrel, civet, capped langur, rhesus macaque, Assamese macaque and bison.

METHODOLOGY

Several tours were undertaken to Seijusa and Khari covering Pakke Wildlife Sanctuary and Tiger Reserve during 1998 to 2002 and 2015 to 2017 for floristic survey including bamboo and cane (rattan). Secondly, floral survey including regeneration study of different timbers and bamboos was carried out during the month of October, 2006 in Seppa and Bameng Circle of East Kameng district.

During March, 2018, another survey was undertaken to Pakke Kesang areas for survey of orchids and minor forests like bamboo, cane and medicinal plants. Later, in January, 2019, another survey was undertaken to Chayangtajo and other areas of Bameng Circle, but the season was winter and most of the areas were dried, hence collection was very less.

Herbarium specimens bearing either flowers or fruits were collected during the tours and processed as per practice of herbarium and kept in the APF herbarium of State Forest Research Institute, Itanagar. Seeds and seedlings found available during field tours were collected and sown at Chessa nursery and seedlings were developed accordingly and later planted in the Botanical Garden, medicinal plants garden and in the cane demo plantation at Van Vigyan Kendra, Chessa.

During the visit to different places, all the plant species were documented separately like trees, shrubs, herbs, ferns, orchids, bamboo and grasses, canes, etc., as given below. Available local names of the plants were also recorded and given in abbreviation: A-Adi, Ak- Aka, Ap- Apatani, Ass – Assamese, Bang-Bangni, G- Galo, Mi- Miji, Mon- Monpa, and N- Nishi. It is noted that, most of the common plants are known by Assamese name only.

RESULTS

The preliminary study of the forest flora resulted in identification of a good number of species. A total of 392 plant species have been recorded which included 356 species of Angiosperm (table 1 – 5, 7) and 36 species of Pteridophytes (table 6).

The Angiosperms are represented by 254 Dicotyledon species under 68 family and 196 genera and 102 Monocotyledon species under 11 family and 67 genera. Among the species

collected 114 are tree species (table 1), 85 species are shrubs (table 2) and 91 species are herbs (table 3). Besides, 25 species of bamboo and sedges (table 4), 13 species of Rattan and palm (table 5), 28 species of orchids (table 7) are also identified under Angiospermic flora. As in other tropical and sub-tropical forests of the state, it shows rich in species diversity of Orchids, Pipers, Figs and Bamboos.

The family Phyllanthaceae, Lauraceae, Fabaceae, Moraceae, Magnoliaceae, Zingiberaceae, Asteraceae, Piperaceae, Poaceae, Araceae, Arecaceae, Orchidaceae, Meliaceae, Malvaceae, Fabaceae, Fagaceae, Rubiaceae, Euphorbiaceae, Lamiaceae, Magnoliaceae, Urticaceae, and Rutaceae are the most dominant with at least 5 species in each, while the genera like *Ficus*, *Magnolia*, *Clerodendrum*, *Terminalia*, *Litsea*, *Piper*, *Solanum*, *Bambusa*, *Calamus*, *Coelogyne*, *Dendrobium* and *Eria* are represented by maximum species.

Many economically important plant species used for timber like *Ailanthus integrifolia*, *Albizia lucida*, *A. lebeck*, *A. procera*, *Alstonia scholaris*, *Altingia excels*, *Bombax ceiba*, *Bischofia javanica*, *Canarium strictum*, *Castanopsis armata*, *C. hystrix*, *C. indica*, *Chisocheton cumingianus*, *Chukrasia tabularis*, *Cinnamomum glaucescens*, *Dalbergia sissoo*, *Duabanga grandiflora*, *Dysoxylum hamiltonii*, *Gmelina arborea*, *Hovenia acerba*, *Kydia glabrescens*, *Lagerstroemia speciosa*, *Litsea monopetala*, *Magnolia champaca*, *M.griffithii*, *M. hodgsonii*, *M.pterocarpa*, *Manglietia hookeri*, *M. insignis*, *Melia azedarach*, *Mesua ferrea*, *Morus macroura*, *Neolamarckia cadamba*, *Phoebe cooperiana*, *P. goalparensis*, *Premna bengalensis*, *Quercus griffithii*, *Q. semiserrata*, *Rhamnus nepalensis*, *Sapium bacatum*, *Sterculia guttata*, *Tectona grandis*, *T.bellirica*, *T. chebula*, *T. myriocarpa*,

Tetrameles nudiflora, *Toona ciliate*, medicinal plants like *Acmella paniculata*, *Acorus calamus*, *Aegle marmelos*, *Ageratum conyzoides*, *Aglaia spectabilis*, *Andrographis paniculata*, *Artemisia nilagirica*, *Centella asiatica*, *Clerodendrum colebrookianum*, *costus speciosus*, *Drymaria cordata*, *Embelia ribes*, *Euphorbia hirta*, *Lasia spinosa*, *Litsea cubeba*, *Magnolia champaca*, *Mikania micrantha*, *Melia azedarach*, *Mesua ferrea*, *Oroxylum indicum*, *Paederia foetida*, *Phoebe cooperiana*, *Phyllanthus niruri*, *Piper mullesua*, *P. nigrum*, *Pothos scandens*, *Pouzolzia hirta*, *solanum nigrum*, *S. spirale*, *S.*

torvum, *Terminalia*, *arjuna*, *T. bellirica*, *T. chebula*, etc., aromatic plants like *Aquilaria agallocha*, *Homalomena aromatica* etc. and resinous plant like *Canarium strictum* are commonly encountered in the forest.

Occurrence of some rare and endangered species were also recorded. The species namely *Angiopteris evecta*, *Begonia aborensis*, *Calamus floribundus*, *Canarium strictum*, *Livistona jenkinsiana*, *Phoenix rupicola*, *Piper peepuloides*, *Rhynchoglossum lazulinum* are such species which need extensive population sampling for formulation of conservation strategies.

Table 1: List of tree species of East Kameng district

Sl	Species	Family	Local name/Common name
1.	<i>Actephila excelsa</i> (Dalzell) Mueller. Arg.	Phyllanthaceae	
2.	<i>Actinodaphne angustifolia</i> (Bl.) Nees	Lauraceae	Petarichawa
3.	<i>Aegle marmelos</i> (L.) Corr.	Rutaceae	Sunmo (Bang), Bael (Ass)
4.	<i>Aesculus assamica</i> Griff.	Sapindaceae	Romon-bih (Ass)
5.	<i>Aglaia spectabilis</i> (Miq.) SS Jain & Bennet	Meliaceae	Pathi (Bang), Amari (Ass)
6.	<i>Ailanthus integrifolia</i> Lam.	Simaroubaceae	Borpat (Ass)
7.	<i>Albizia lucida</i> (Roxb.) Benth.	Fabaceae	Moj (Ass)
8.	<i>Albizia lebbeck</i> (Linn.) Benth.	Fabaceae	Kothia koroï (Ass)
9.	<i>Albizia procera</i> (Roxb.) Benth.	Fabaceae	Koroï (Ass)
10.	<i>Alnus nepalensis</i> D. Don	Betulaceae	
11.	<i>Alstonia scholaris</i> (Linn.) R.Br.	Apocynaceae	Satiana (Ass)
12.	<i>Altingia excelsa</i> Nor.	Hamamelidaceae	Jutuli (Ass)
13.	<i>Antidesma acuminata</i> Wight.	Phyllanthaceae	Heloch (A)
14.	<i>Antidesma velutinsum</i> Blume	Phyllanthaceae	
15.	<i>Archidendron clypearia</i> (Jack) I.C. Nielsen	Fabaceae	Tare eppo (N)
16.	<i>Artocarpus chaplasha</i> Roxb.	Moraceae	Lirang (A), Chamkathal, Sam (Ass.)
17.	<i>Baccaurea ramiflora</i> Lour.	Phyllanthaceae	Leteku (Ass), Berie (N)
18.	<i>Bauhinia purpurea</i> Linn.	Fabaceae	Kanchan (Ass)
19.	<i>Bauhinia vahlii</i> Wight. & Arn.	Fabaceae	Lingchirijong (Mi)
20.	<i>Bauhinia variegata</i> Linn.	Fabaceae	Okjok (A), Boga kanchan (Ass)
21.	<i>Bombax ceiba</i> Linn.	Malvaceae	Simul (Ass.)
22.	<i>Betula cylindrostachya</i> Wall	Betulaceae	
23.	<i>Bischofia javanica</i> Bl.	Euphorbiaceae	Urium (A), Mebu changne (N)
24.	<i>Callicarpa arborea</i> Roxb.	Verbenaceae	Yarphu changne (Bang), Tato (N), Lalu (A), Bonmala (Ass.)
25.	<i>Canarium strictum</i> Roxb.	Burseraceae	Sanglam (Bang), Singlu (N),

			Dhuna-goch (Ass.)
26.	<i>Castanopsis armata</i> (Roxb.) Spach	Fagaceae	
27.	<i>Castanopsis hystrix</i> A.DC	Fagaceae	Kora (N), Suranasing (A)
28.	<i>Castanopsis indica</i> (Roxb. ex Lindl.) A. DC.	Fagaceae	Kora (N), Hingori (A), Amka asing (A), Karasangne (N)
29.	<i>Catunaregam spinosa</i> (Thunb.) Tirveng	Rubiaceae	Mona (Ass)
30.	<i>Chisocheton cumingianus</i> subsp. <i>balansae</i> (C.DC.) D.J. Mabberley	Meliaceae	Tasso Roro (Bang), Bandordima (Ass.)
31.	<i>Chukrasia tabularis</i> A. Juss	Meliaceae	Bogipoma (Ass)
32.	<i>Cinnamomum bejolghota</i> (Buch. Ham)	Lauraceae	Barah Changne (N), Nagadalchini (A)
33.	<i>Cinnamomum glaucescens</i> (Buch.-Ham.ex Nees) Hand.-Mazz	Lauraceae	Gandhsarai (Ass)
34.	<i>Cinnamomum tamala</i> Fr. Nees.	Lauraceae	Tejpat (A), Jongkeng/ Rapi asing (A), Chipsing (Mon)
35.	<i>Dalbergia sissoo</i> Roxb.	Fabaceae	
36.	<i>Delonix regia</i> (Boj.ex Hook.) Raf.	Fabaceae	Krshnachora (Ass)
37.	<i>Dillenia indica</i> L.	Dilleniaceae	Outenga (Ass), Sampa (A). Jampa(N)
38.	<i>Duabanga grandiflora</i> (Roxb.) Walp.	Lythraceae	Khokon (Ass)
39.	<i>Dysoxylum gobara</i> (Buch-Ham) Merr	Meliaceae	
40.	<i>Dysoxylum hamiltonii</i> Hierm	Meliaceae	
41.	<i>Echinocarpus assamicus</i> Benth.	Elaeocarpaceae	
42.	<i>Elaeocarpus aristatus</i> Roxb	Elaeocarpaceae	Gahori-sopa (Ass)
43.	<i>Endospermum chinense</i> Benth	Euphorbiaceae	Phul gamari (Ass)
44.	<i>Engelhardtia spicata</i> Lechan ex Blume.	Juglandaceae	Mauwa (Ass), Korkorsing (Mon)
45.	<i>Erythrina stricta</i> Roxb.	Fabaceae	Madar (Ass)
46.	<i>Eugenia balsamea</i> Wight	Myrtaceae	
47.	<i>Ficus auriculata</i> Lour	Moraceae	Athabor (Ass)
48.	<i>Ficus benghalensis</i> Linn.	Moraceae	Bor (Ass)
49.	<i>Ficus benjamina</i> Linn.	Moraceae	Rakta asing (A), Jari (Ass)
50.	<i>Ficus dumosa</i> King	Moraceae	
51.	<i>Ficus elastica</i> Roxb. ex Hornem	Moraceae	
52.	<i>Ficus elmeri</i> Merr.	Moraceae	Kropuin (Ak)
53.	<i>Ficus fistulosa</i> Reinw.ex Bl	Moraceae	Kathia dimaru (Ass)
54.	<i>Ficus hirta</i> Vahl.	Moraceae	Khongal dimoru (Ass)
55.	<i>Ficus hispida</i> Linn.f	Moraceae	Dimaru (Ass)
56.	<i>Ficus racemosa</i> L	Moraceae	
57.	<i>Ficus rumphii</i> Bl.	Moraceae	Pakharibor (Ass)
58.	<i>Garuga pinnata</i> Roxb.	Burseraceae	Pani amora (Ass)
59.	<i>Garcinia pedunculata</i> Roxb.ex Buch.-Ham.	Clusiaceae	Meba (N)
60.	<i>Glochidion harveyanum</i>	Phyllanthaceae	
61.	<i>Gmelina arborea</i> Roxb.	Verbenaceae	Gamari, Gamar (Ass)
62.	<i>Gynocardia odorata</i> R.Br.	Achariaceae	Chaul mogra (Ass)
63.	<i>Hovenia acerba</i> Lindl	Rhamnaceae	Chetia bola (Ass)
64.	<i>Hydnocarpus kurzii</i> (King) Warb.	Achariaceae	Chaulmugra (Ass)

65.	<i>Knema linifolia</i> (Roxb.) Warb.	Myristicaceae	Tapling asing (A)
66.	<i>Kydia glabrescens</i> Mast	Malvaceae	Pichala (Ass)
67.	<i>Lagerstroemia speciosa</i> (Linn.) Pers.	Lythraceae	Ajar (Ass)
68.	<i>Litsea cubeba</i> (Lour.)Pers.	Lauraceae	Mejankari (A), Meinjin/Minzay (Ak), Akmer (Mon)
69.	<i>Litsea monopetala</i> (Roxb.)Pers.	Lauraceae	Huwalu (Ass)
70.	<i>Litsea salicifolia</i> Roxb.	Lauraceae	Dighloti (A), Thaia jing chengne (N)
71.	<i>Litsea sebifera</i> Pers.	Lauraceae	Baghnala (Ass)
72.	<i>Macaranga denticulata</i> (Blume) Mull. Arg.	Euphorbiaceae	Yah change (Bang), Liidzin (Ak), Jagru (Ass)
73.	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Magnoliaceae	Tita-sopa (Ass), Salyo (Ap)
74.	<i>Magnolia griffithii</i> Hook.f. & Thomson	Magnoliaceae	Gahori-sopa (Ass)
75.	<i>M. gustavi</i> King	Magnoliaceae	Pan-sopa (Ass)
76.	<i>Magnolia hodgsonii</i> (Hook.f.& Thomson) H. Keng	Magnoliaceae	
77.	<i>Magnolia pterocarpa</i> Roxb.	Magnoliaceae	Pan-sopa, phul-sopa (Ass)
78.	<i>Manglietia hookeri</i> (Cubitt & W.W.Sm.) D.C.S. Raju & M.P.Nayar	Magnoliaceae	
79.	<i>M. insignis</i> Wall.	Magnoliaceae	
80.	<i>Mangifera sylvatica</i> Roxb.	Anacardiaceae	Tagol (N), Lakshmi am, Bon- aam (Ass)
81.	<i>Melia dubia</i> Cav.	Meliaceae	
82.	<i>Melia azedarach</i> L.	Meliaceae	Sanka change (Bang), Ghora neem (Ass)
83.	<i>Mesua ferrea</i> L.	Calophyllaceae	Nahor (Ass)
84.	<i>Morus macroura</i> Miq.	Moraceae	Bola (A), Angataya (N), Ayumasing (A)
85.	<i>Neolamarckia cadamba</i> (Roxb.)Bossler	Rubiaceae	Kadam
86.	<i>Oroxylum indicum</i> (L.) Kurz.	Bigoniaceae	Mano (Nishi), Bhatgilla
87.	<i>Persea odoratissima</i> Hutch.	Lauraceae	Loham
88.	<i>Phoebe cooperiana</i> P.C.Kanj. & Das	Lauraceae	Hichir (G), Sishir/Sangchar (N), Tapil (A), Samper (Ap)
89.	<i>Phoebe goalparensis</i> Hutch.	Lauraceae	Bonsum (Ass)
90.	<i>Pongamia pinnata</i> (Linn.) Pierre	Fabaceae	
91.	<i>Premna bengalensis</i> Cl.	Verbenaceae	Gohora (Ass)
92.	<i>Pterospermum acerifolium</i> (L) Willd.	Malvaceae	Moragos (Ass)
93.	<i>Pterospermum lancifolium</i> Roxb.	Malvaceae	
94.	<i>Quercus griffithii</i> Hook.f. & Thomson ex Miq.	Fagaceae	Sokubun (Ak)
95.	<i>Quercus semiserrata</i> Roxb.	Fagaceae	
96.	<i>Rhamnus nepalensis</i> (Wall.) Lawson	Rhamnaceae	Podjar (Ass)
97.	<i>Sapium bacatum</i> Roxb.	Euphorbiaceae	Puktu asing (A), Seleng (Ass)
98.	<i>Saurauia napaulensis</i> DC.	Actinidiaceae	
99.	<i>Saurauia roxburghii</i> Wall.	Actinidiaceae	

100.	<i>Sorbus lanata</i> (D.Don) Schauer	Rosaceae	
101.	<i>Spondias pinnata</i> (Linn.f)Kurz	Anacardiaceae	
102.	<i>Sterculia guttata</i> Roxb.	Malvaceae	Shirikh, Hirikh (Ass)
103.	<i>Syzygium khasianum</i> (Duthie) N.P. Balakr. <i>Eugenia khasiana</i>	Myrtaceae	Yamda changne (Bang)
104.	<i>Talauma phellocarpa</i> King	Magnoliaceae	
105.	<i>Tamarindus indica</i> Linn.	Fabaceae	
106.	<i>Tectona grandis</i> L.f.	Lamiaceae	Segun (Ass)
107.	<i>Terminalia arjuna</i> (Roxb.) Wight & Arn.	Combretaceae	
108.	<i>Terminalia bellirica</i> (Gaertn) Roxb.	Combretaceae	Bohera (Ass)
109.	<i>Terminalia chebula</i> Retz.	Combretaceae	Hilikha (Ass), Hika (G), Lokya (Ak), Bumura(N),
110.	<i>Terminalia myriocarpa</i> Van Heurck & Mull. Arg.	Combretaceae	Holock (Ass)
111.	<i>Tetrameles nudiflora</i> R. Br.	Tetramelaceae	Bheleu (Ass)
112.	<i>Toona ciliate</i> M. Roem	Meliaceae	Lal Poma (Ass)
113.	<i>Zanthoxylum rhetsa</i> (Roxb.)DC.	Rutaceae	Pyetree (Ak)
114.	<i>Ziziphus jujuba</i> Mill.	Rhamnaceae	Bogori

Table 2: List of shrubs

Sl	Species	Family	Local name
1.	<i>Abroma augusta</i> L.	Malvaceae	
2.	<i>Artemisia nilagirica</i> (Cl.) Pamp.	Asteraceae	Syowum (Ak)
3.	<i>Boehmeria hamiltoniana</i> Wedd.	Urticaceae	Suphesa (Ak)
4.	<i>Boehmeria platyphylla</i> Don.	Urticaceae	Yampi (Ak)
5.	<i>Buddleja asiatica</i> Lour.	Scrophulariaceae	Agiacheta (Ass)
6.	<i>Callicarpa nudiflora</i> Hook & Arn.	Lamiaceae	
7.	<i>Casearia vereca</i> Roxb.	Salicaceae	
8.	<i>Cassia floribunda</i> Cavan	Fabaceae	
9.	<i>Cassia occidentalis</i> Linn.	Fabaceae	
10.	<i>Cassia tora</i> Linn.	Fabaceae	Soru- Medelua (Ass)
11.	<i>Chloranthus elatior</i> Link	Chloranthaceae	Lope (Bang)
12.	<i>Chromolaena odorata</i> (L.)R.M.King & H. Rob	Asteraceae	Yamdak (Bang), Jarmoni-bon (Ass)
13.	<i>Cissampelos pareira</i> L.	Minispermaceae	Seyi papu (Bang)
14.	<i>Citrus medica</i> L.	Rutaceae	Narang (N), Jora-tengaAss)
15.	<i>Clerodendrum bracteatum</i> Wall. Ex Walp	Lamiaceae	
16.	<i>Clerodendrum colebrookianum</i> Walp.	Lamiaceae	Papua toh (Bang), Jylon (Ak), Poto (N)
17.	<i>C. japonicum</i> (Thunb) Sweet.	Lamiaceae	Dhopat tita (Ass)
18.	<i>Clerodendrum infortunatum</i> L.	Lamiaceae	Dhopat tita (Ass)
19.	<i>Coffea benghalensis</i> B. Heyne ex Schult.	Rubiaceae	
20.	<i>Croton caudatus</i> Geiseler	Euphorbiaceae	
21.	<i>Croton roxburghii</i> Balakrishnan	Euphorbiaceae	
22.	<i>Dalbergia stipulaceae</i> Roxb.	Fabaceae	
23.	<i>Embelia ribes</i> Burn. f.	Myrsinaceae	
24.	<i>Eurya acuminata</i> DC	Pentaphylacaceae	Murmura (Ass)

25.	<i>Ficus pumila</i> L.	Moraceae	Jengto jingo (Bang)
26.	<i>Fissistigma bicolor</i> (Roxb.) Merr.	Annonaceae	
27.	<i>Girardinia palmate</i> (Eorsk.) Gaud.	Urticaceae	Pajimang (A), Electric-gach (N)
28.	<i>Hedychium coronarium</i> J. Koenig	Zingiberaceae	
29.	<i>Hedychium gardnerianum</i> Sheppard ex Ker Gawl.	Zingiberaceae	
30.	<i>Hedychium stenopetalum</i> G. Lodd	Zingiberaceae	
31.	<i>Hedyotis scandens</i> Roxb.	Rubiaceae	
32.	<i>Helixantra parasitica</i> Lour	Loranthaceae	Tacha changne (Bang)
33.	<i>Hemamelis virginiana</i> L.	Hamamelidaceae	
34.	<i>Lagerstroemia indica</i> L.	Lythraceae	
35.	<i>Laportea crenulata</i> Gaud.	Urticaceae	Paji (A), Chorat (A)
36.	<i>Laportea pterostigma</i> Wedd.	Urticaceae	Pasogilong (A)
37.	<i>Leea indica</i> (Burn f.) Merr.	Vitaceae	Kukura thengia (Ass)
38.	<i>Leea macrophylla</i> Roxb. ex Horn.	Vitaceae	Kath tenga (Ass)
39.	<i>Mastersia assamica</i> Benth.	Fabaceae	Rabe rata (Bang)
40.	<i>Maesa indica</i> Wall.	Myrsinaceae	
41.	<i>Melastoma malabathricum</i> Linn.	Melastomataceae	Phutuka
42.	<i>Morus acidosa</i> Griff.	Moraceae	Nuni
43.	<i>Mussaenda glabra</i> Vahl.	Rubiaceae	Takdeng (A)
44.	<i>Mussaenda roxburghii</i> Hook f.	Rubiaceae	Aksap/Taksap (G), Charbitaru (N)
45.	<i>Ohwia caudata</i> (Thunb.) H. Ohashi	Fabaceae	
46.	<i>Osbeckia nutans</i> Wall.	Melastomataceae	
47.	<i>Osbeckia stellata</i> Buch.-Ham.ex Ker Gawl	Melastomataceae	Phutuki
48.	<i>Oxyspora paniculata</i> (D.Don) DC.	Melastomataceae	
49.	<i>Phlogacanthus curviflorus</i> (Wall)Nees	Acanthaceae	Labang (Bang)
50.	<i>Phyllanthus lanceolarius</i> (Roxb.)Mull. Arg.	Phyllanthaceae	
51.	<i>Piper mullesua</i> Buch.-Ham.ex D.Don	Piperaceae	
52.	<i>Piper haridasanii</i> Gajurel, Rethy & Y. Kumar	Piperaceae	Loass (Bang)
53.	<i>Piper acutistigmum</i> C.DC.	Piperaceae	
54.	<i>Piper nigrum</i> L.	Piperaceae	Sabe ricke (Bang)
55.	<i>Piper peepuloides</i> Roxb.	Piperaceae	Amlipan (Bang)
56.	<i>Piper pedicellatum</i> C.DC.	Piperaceae	Raar (G), Raru (Ap.), Roru (N), Lori/Rohri (A)
57.	<i>Piper rhytidocarpum</i> Hook.f.	Piperaceae	Ricka (Bang)
58.	<i>Piper sylvaticum</i> Roxb.	Piperaceae	
59.	<i>Pogostemon benghalensis</i> (Burm.f.)Kuntze	Lamiaceae	Nano (Ak)
60.	<i>Pogostemon elsholtzoides</i> Benth	Lamiaceae	Bangka tanam (Bang)
61.	<i>Polygonum chinense</i> Linn.	Polygonaceae	Jampera (Ak)
62.	<i>Polygonum molle</i> D. Don	Polygonaceae	
63.	<i>Pothos scandens</i> L.	Araceae	Lowsik lomic (Bang)
64.	<i>Pouzolzia sanguinea</i> (Bl.) Merr.	Urticaceae	Osik (G), Tanu (N)

65.	<i>Psychotria denticulata</i> Wall.	Rubiaceae	
66.	<i>Pterospermum acerifolium</i> (L.) Willd.	Malvaceae	Taguru changne (Bang)
67.	<i>Pueraria montana</i> var. <i>lobata</i> Lour. Merr.	Fabaceae	Ribye retah (Bang), Ridin (A)
68.	<i>Rhamnus nepalensis</i> (Wall.) Lawson	Rhamnaceae	Biringa (Ass)
69.	<i>Rhaphidophora lancefolia</i> Schott	Araceae	Aechay (Bang)
70.	<i>Rhynchosyche ellipticum</i> (Wallich ex D. Dietr.) A. DC.	Gesneriaceae	Joku/Jokh (N), Joko, Jokh(G), Jongkot (A)
71.	<i>Rubus insignis</i> Hooker f.	Rosaceae	
72.	<i>Sarcochlamys pulcherrima</i> Gaudich.	Urticaceae	Sitong Notke (A), Bola sen (N)
73.	<i>Schefflera elliptica</i> (Blume) Harms	Araliaceae	Sanko (Ap), Tago (N)
74.	<i>Sida acuta</i> Burman f.	Malvaceae	
75.	<i>Sida rombifolia</i> Linn	Malvaceae	
76.	<i>Solanum spirale</i> Roxb.	Solanaceae	
77.	<i>Solanum torvum</i> Sw.	Solanaceae	Akapu (Ak), Sethbake/Shoat Beyak (N), Monam Kopi (A).
78.	<i>Sterculia hamiltonii</i> (Kuntze) Adelb.	Malvaceae	
79.	<i>Strobilanthes oxycalycina</i> J.R.I.Wood	Acanthaceae	
80.	<i>Tabernaemontana divaricata</i> (Linn.) R. Br.	Apocynaceae	Kechep asing (A) Kathanaphul (A)
81.	<i>Thunbergia grandiflora</i> (Roxb. ex Rottl.)	Acanthaceae	Seng taru (Bang), Cocoriang (A), Kukua loti (Ass)
82.	<i>Tinospora cordifolia</i> (Willd.) Miers	Menispermaceae	Nyam rak (Bang)
83.	<i>Wendlandia tinctoria</i> DC.	Rubiaceae	
84.	<i>Zanthoxylum armatum</i> DC.	Rutaceae	Hokum (A)
85.	<i>Zanthoxylum oxyphyllum</i> Edgew.	Rutaceae	Onyor (G), Onger (A), Honyer (N)

Table 3: List of herbs

Sl	Species	Family	Local name
1.	<i>Acanthus leucostachyus</i> Wall.	Acanthaceae	
2.	<i>Acmella paniculata</i> (Wall.ex. DC.) R.K.Jansen	Asteraceae	Aang gyadu (Bang), Dugoneo/Payngson/Paynsong (Ak), Marsha (G), Marshang (A), Yorkhung hamang(Ap)
3.	<i>Adenostemma lavenia</i> (L.)Kuntze	Asteraceae	
4.	<i>Acorus calamus</i> L.	Acoraceae	Taku (Bang),Ging Paychay (M), Boch
5.	<i>Aeschynanthus gracilis</i> Parish ex C.B.Clarke, Commelyn.	Gesneriaceae	Rasson (Bang), Lipstick plant
6.	<i>Ageratum conyzoides</i> L.	Asteraceae	Passo payo (Bang), Pasong (Ak)
7.	<i>Allium hookeri</i> Thwaites	Amoryllidaceae	Racka (Bang), Talap (N & G), Dilap (A), Lepi/ Tale (Ap)
8.	<i>Allium sativum</i> L.	Amoryllidaceae	Diete(Bang)
9.	<i>Alocasia acuminata</i> Schott.	Araceae	

10.	<i>Alocasia fornicata</i> (Kunth.) Schott	Araceae	Nyarak (Bang)
11.	<i>Alocasia macrorrhizos</i> (L.) G. Don	Araceae	Inge (N)
12.	<i>Alpinia galanga</i> (L.) Willd.	Zingiberaceae	
13.	<i>Alpinia malaccensis</i> (Burm.f.) Roscoe.	Zingiberaceae	Jaker (G), Papi/Bolo (N).
14.	<i>Alpinia nigra</i> (Gaertn.) B.L.Burtt.	Zingiberaceae	Buk barara(Bang)
15.	<i>Amaranthus spinosus</i> L.	Amaranthaceae	Khutuka (Ak), Puchu Panya (N), Tai hamma (Ap.)
16.	<i>Amaranthus viridis</i> L.	Amaranthaceae	Khungtou (Ak), Pachu koyu/ PuluTai (N), Tai hamma (Ap.), Fara (M)
17.	<i>Amomum maximum</i> Roxb.	Zingiberaceae	Papi tallang(Bang)
18.	<i>Amomum subulatum</i> Roxb.	Zingiberaceae	Bebo(G), Jepo (A)
19.	<i>Amorphophalus campanulatus</i> Bl.	Araceae	Keobi (Ak)
20.	<i>Andrographis paniculata</i> (Burm.f.) Nees.	Acanthaceae	Chirata teeta
21.	<i>Argemone maxicana</i> L.	Papaveraceae	
22.	<i>Arisaema tortuosum</i> Blume	Araceae	
23.	<i>Begonia aborensis</i> Dunn	Bigoniaceae	Pelowo (Ak)
24.	<i>Begonia palmata</i> D.Don	Bigoniaceae	Pelowo (Ak), Baya (Bang), Bayia (N)
25.	<i>Begonia roxburghii</i> A.D.C	Bigoniaceae	Pelowo (Ak) , Hati njerang (Bang), Bayia (N)
26.	<i>Biden biternata</i> (Lour.) Merr. & Sherff	Asteraceae	
27.	<i>Biden pilosa</i> L.	Asteraceae	Tangom (A), Tiikhing-tilling(Ap), Tagam/ Eh Yili (G)
28.	<i>Cassia floribunda</i> Cavan	Fabaceae	
29.	<i>Cardamine hirsuta</i> L.	Brassicaceae	Serampeti/Piidii sorum (N), Padii hamma (Ap.)
30.	<i>Centella asiatica</i> (L.) Urban	Apiaceae	Shetafay/Watsay pesu (Ak), Aghinya/Nguri/Hiring hijing (N)
31.	<i>Chenopodium album</i> L.	Amaranthaceae	Tabe/Tabi/Tai (N), Tai (Ap), Jili Mili/Bathua (As), Blamon (M)
32.	<i>Colocasia esculenta</i> (L.)Schott	Araceae	Thoks (Ak), Nyirik/Pene (N)
33.	<i>Colocasia gigantea</i> Hook.f.	Araceae	Taro (N)
34.	<i>Commelina benghalensis</i> L.	Commelinaceae	
35.	<i>Commelina paludosa</i> Blume	Commelinaceae	
36.	<i>Costus speciosus</i> (Koenig) Smith	Zingiberaceae	Rumosanadugo (Ak)
37.	<i>Crassocephalum crepidioides</i> (Benth.) S. Moore	Asteraceae	Harang nimang 'Babuk' (Bang), Gendu (G), Gyanda/Gensap (N)
38.	<i>Curcuma angustifolia</i> Roxb.	Zingiberaceae	Kesu kela (Bang)
39.	<i>Curcuma longa</i> L.	Zingiberaceae	Halodhi (Ass)
40.	<i>Cyanotis cristata</i> (L.) D.Don	Commelinaceae	
41.	<i>Dioscorea esculenta</i> (Lour.)Burk	Dioscoreaceae	Nyemumsi (Ak), Nyinke (N)

42.	<i>Dioscorea bulbifera</i> L.	Dioscoreaceae	Nyemumsi (Ak), Uli(A), Hulla (Ap), Huli (N), Eso (G)
43.	<i>Drymaria cordata</i> (L.) Willd. Ex Roem. & Schult	Caryophyllaceae	Sara kiklo 'kekso' (Bang)
44.	<i>Eclipta alba</i> (L.)Hass	Asteraceae	
45.	<i>Elatostema cyrtandrifolium</i> (Zoll. & Mor.) Miq.	Urticaceae	
46.	<i>Elatostema platyphyllum</i> Wedd.	Urticaceae	
47.	<i>Elsholtzia blanda</i> (Benth.) Benth	Lamiaceae	
48.	<i>Euphorbia hirta</i> L.	Euphorbiaceae	Ritah (Bang),Gakheerotee bon (Ass)
49.	<i>Fagopyrum esculentum</i> Moench	Polygonaceae	Hokung/Ao (N), Oku (G), Amintatek/Okung (A), Lokhung (Ap), Dou (M).
50.	<i>Ghanphalium affine</i> D.Don.	Asteraceae	
51.	<i>Gnaphalium pensylvanicum</i> Willd.	Asteraceae	Tap (N)
52.	<i>Homalomena aromatica</i> (Roxb) Schott.	Araceae	Gand kopchu (Ass)
53.	<i>Hedyotis scandens</i> Roxb.	Rubiaceae	Harang labang (Bang), Bedeli-lota (Ass.)
54.	<i>Hydrocotyle sibthorpioides</i> Lam.	Apiaceae	Grang kejong (N)
55.	<i>Impatiens vidyae</i> R.C. Srivastava	Balsaminaceae	Luom/Lengum/ Leng (N)
56.	<i>Lasia spinosa</i> (L.) Thw.	Araceae	Hikrubu (G)
57.	<i>Mikania micrantha</i> Kunth.	Asteraceae	Tarig (Bang)
58.	<i>Murdannia nudiflora</i> (L.) Brenan	Commelinaceae	
59.	<i>Musa velutina</i> H. Wendl. & Drude	Musaceae	Kappa-lonchi (N)
60.	<i>Natsiatum herpeticum</i> Buch.-Ham.	Icacinaceae	Sarak (Bang)
61.	<i>Ophiorrhiza repens</i> (Wall. ex G. Don) Bennet	Rubiaceae	
62.	<i>Oxalis corniculata</i> L	Oxalidaceae	Pulung sukhu (Ak)
63.	<i>Paederia foetida</i> L.	Rubiaceae	Appe taruh (Bang), Adraluhumbe/Shejla ojneya (Ak), Epitari (Mi), Apetari(G), Gandvetal (Ass)
64.	<i>Persicaria capitata</i> (Buch.-Ham.ex D. Don)	Polygonaceae	Chingma (Bang)
65.	<i>Phrynium pubinerve</i> Blume	Maranthaceae	Ekkam (A,G), Kou pat (Ass)
66.	<i>Phyllanthus niruri</i> L.	Phyllanthaceae	
67.	<i>Pilea medogensis</i> C.J. Chen.	Urticaceae	
68.	<i>Plantago major</i> L.	Plantaginaceae	Pulung Nyang (Ak), Yadii nyiri/ Meep yaru(N)
69.	<i>Portulaca oleracea</i> L.	Portulacaceae	Halyang Pachukoyu (Ap), Dongal (A).
70.	<i>Pothos chinensis</i> (Raf.) Merr.	Araceae	Hati Dhekiya (Ass)
71.	<i>Pouzolzia hirta</i> (Blume) Hassk	Urticaceae	Oyik (G), Huyik (N)
72.	<i>Pouzolzia viminea</i> Wedd.	Urticaceae	
73.	<i>Pouzolzia zeylanica</i> (L.) Benn. & R. Br.	Urticaceae	
74.	<i>Remusatia pumila</i> (D.Don) H.Li & A.Hay	Araceae	Taro (N)
75.	<i>Rhaphidophora hookeri</i> Schott.	Araceae	
76.	<i>Rhynchoglossum lazulinum</i> A.S. Rao & J.	Gesneriaceae	Taklan (Bang)

	Joseph		
77.	<i>Rubia manjith</i> Roxb.	Rubiaceae	Tamen (Bang)
78.	<i>Salvia campanulata</i> var. <i>codonantha</i> Wall. ex. Benth	Lamiaceae	
79.	<i>Seigesbeckia orientalis</i> L.	Asteraceae	
80.	<i>Solanum nigrum</i> L.	Solanaceae	Faysuk (Ak), Horr (N)
81.	<i>Solanum khasianum</i> C.B.Clarke	Solanaceae	Bangka (Bang)
82.	<i>Spermaceoce pusilla</i> Wall.	Rubiaceae	
83.	<i>Strobilanthes mastersii</i> T. Anderson	Acanthaceae	
84.	<i>Stephania hernandifolia</i> walp.	Menispermaceae	
85.	<i>Torenia asiatica</i> L.	Scrophulariaceae	
86.	<i>Typhonium trilobatum</i> Schott	Araceae	
87.	<i>Urena lobata</i> L.	Malvaceae	
88.	<i>Urtica parviflora</i> L.	Urticaceae	Huddur (A)
89.	<i>Xanthium indicum</i> J.Koenig ex Roxb.	Asteraceae	
90.	<i>Zehneria umbellata</i> (Klein ex Willd.) Thw.	Cucurbitaceae	Amo chojro (Bang)
91.	<i>Zingiber purpureum</i> Roscoe	Zingiberaceae	Talang (Bang)

Table 4: List of bamboos, grasses and sedges

Sl	Species	Common name
1.	<i>Arundo donax</i> L.	Gabnol, Nol (Ass)
2.	<i>Arundo donax aciculatus</i> (Retz.) Trin	Lengra
3.	<i>Bambusa assamica</i> Barooah & Borthakur	Nol bah
4.	<i>Bambusa balcooa</i> Roxb.	Bhaluka
5.	<i>Bambusa bambos</i> (L.) Voss	Kotoha
6.	<i>Bambusa nutans</i> Wall. ex Munro.	Mokal
7.	<i>Bambusa pallida</i> (L.) Voss	Bijuli
8.	<i>Bambusa tulda</i> Roxb.	Jati
9.	<i>Carex cruciata</i> Wahlenb.	
10.	<i>Chimonobambusa callosa</i> (Munro) Nakai	Asper
11.	<i>Cynodon dactylon</i> (L.) Pers	Dubori-bon
12.	<i>Cyperus diffuses</i> Vahl	Mipia tala (Bang)
13.	<i>Cyperus rotundus</i> L.	
14.	<i>Dendrocalamus hamiltonii</i> Gamble	Kako, Hotae, Si-emnyo (Ak)
15.	<i>Eleusine indica</i> (L.) Gaert.	
16.	<i>Neomicrocalamus prainii</i> (Gamble) P.C. Keng	
17.	<i>Phragmites australis</i> (Cavan) Trin. ex Steud.	
18.	<i>Phyllostachys bambusoides</i> Siebold & Zucc.	
19.	<i>Pseudostachyum polymorphum</i> Munro	Bojal, Tolum
20.	<i>Saccharum spontaneum</i> L.	Khagra
21.	<i>Schizostachyum capitatum</i> Munro	
22.	<i>Scleria terrestris</i> (L.) Fasset.	
23.	<i>Setaria pumila</i> (Poir) Roemer & Schultes	
24.	<i>Themeda villosa</i> (L.) A. Camus	
25.	<i>Thysanolaena latifolia</i> (Roxb.ex Hornem.) Honda	Broom, Jharu

Table 5: List of rattans and palms

Sl	Species	Common name
1.	<i>Arenga obtusifolia</i> Martius	
2.	<i>Calamus erectus</i> Roxb.	Tarea (N), Jeng
3.	<i>Calamus flagellum</i> Griff.	Raidang
4.	<i>Calamus floribundus</i> Griff.	Lejai
5.	<i>Calamus gracilis</i> Roxb.	Chuli bet
6.	<i>Calamus tenuis</i> Roxb.	Jati, Sha
7.	<i>Caryota urens</i> Linnaeus	
8.	<i>Daemonorops jenkinsiana</i> (Griff.) Mart.	Super Raidang
9.	<i>Livistona jenkinsiana</i> Griff.	Tokopatta
10.	<i>Plectocomia assamica</i> Griff.	Hatibet
11.	<i>Phoenix rupicola</i> T. Anders	
12.	<i>Pinanga gracilis</i> Blume	Geruka tamol
13.	<i>Wallichia densiflora</i> Mart	Taleh (Bang),Tashe (N)

Table 6: List of pteridophytes species

Sl	Species	Family	Local name
1.	<i>Angiopteris evecta</i> (G. Forst.) Hoffm.	Marattiaceae	Bukka/Bokka (Ak)
2.	<i>Aleuritopteris bicolor</i> (Roxb.) Fraser-Jenk	Pteridaceae	
3.	<i>Asplenium nidus</i> L.	Aspleniaceae	Tamang (Bang), Bird nest fern
4.	<i>Asplenium phyllitides</i> D.Don	Aspleniaceae	
5.	<i>Asplenium nitidum</i> Sw.	Aspleniaceae	
6.	<i>Blechnum orientale</i> L.	Blechnaceae	
7.	<i>Cyathea andersonii</i> (J. Scott ex. Bedd.) Copel.	Cyatheaceae	
8.	<i>Cyathea gigantea</i> (Wall. ex Hook) Holtt.	Cyatheaceae	
9.	<i>Cyathea spinulosa</i> Wall. ex Hook.	Cyatheaceae	
10.	<i>Davallia assamica</i> (Bedd.) Baker	Davalliaceae	
11.	<i>Diplazium esculentum</i> (Retz.)Sw.	Woodsiaceae	Dhekia sak (Ass)
12.	<i>Diplazium donianum</i> (Mett.) Tardieu	Woodsiaceae	Lochanch (Ak)
13.	<i>Dicranopteris splendida</i> (Hand.-Mazz.) Ching.	Gleicheniaceae	
14.	<i>Dicranopteris taiwanensis</i> Ching & P.S. Chiu	Gleicheniaceae	
15.	<i>Dipteris wallichii</i> (R.Br.) T. Moore	Dipteridaceae	
16.	<i>Drynaria quercifolia</i> (L.) J. Sm.	Polypodiaceae	
17.	<i>Lemmaphyllum microphyllum</i> C. Presl	Polypodiaceae	
18.	<i>Lindsaea himalaica</i> K.U. Kramer	Lindsaeaceae	
19.	<i>Lindsaea odorata</i> Roxb. ex Griff.	Lindsaeaceae	
20.	<i>Lycopodium japonicum</i> Thunb.	Lycopodiaceae	Tapang (Bang)
21.	<i>Lygodium japonicum</i> (Thunb.)Sw.	Lygodiaceae	Japanese climbing fern
22.	<i>Microlepia rhomboidea</i> (Wall.ex Kze.) Prantl	Dennstaedtiaceae	
23.	<i>Nephrolepis cordifolia</i> (L.) C. Pres.	Nephrolepidaceae	Tako tayo (Bang)
24.	<i>Odontosoria chinensis</i> (L.) J.Sm. subsp. <i>chinensis</i>	Lindsaeaceae	
25.	<i>Odontosoria chinensis</i> (L.) J.Sm. subsp. <i>tenuifolia</i> (Lam.) Fraser- Jenk. & Kandel.	Lindsaeaceae	

26.	<i>Onychium siliculosum</i> (Desv.) C. Chr.	Pteridaceae	
27.	<i>Pityrogramma calomelanos</i> (L.) Link	Pteridaceae	
28.	<i>Pteris biaurita</i> L. subsp. <i>fornicata</i> Fraser-Jenk.	Pteridaceae	
29.	<i>Pteris biaurita</i> L. subsp. <i>walkeriana</i> Fraser-Jenk. & Rajkumar	Pteridaceae	
30.	<i>Pteris cretica</i> L. subsp. <i>cretica</i>	Pteridaceae	
31.	<i>Pteris cretica</i> L. subsp. <i>laeta</i> (Wall. ex Ettingsh.) Fraser-Jenk.		
32.	<i>Pteris normalis</i> D. Don.	Pteridaceae	
33.	<i>Polystichum punctiferum</i> C. Chr.	Dryopteridaceae	
34.	<i>Tectaria polymorpha</i> (Wall. ex Hook.) Copel.	Tectariaceae	
35.	<i>Thelypteris aurita</i> (Hook.) Ching	Thelypteridaceae	
36.	<i>Thelypteris auriculata</i> (J. Sm.) K. Iwats.	Thelypteridaceae	Rabdak (Bang)

Table 7: List of orchids (Orchidaceae)

Sl	Species
1.	<i>Aredes odorata</i> Lour
2.	<i>Arundina graminifolia</i> (D. Don) Hochr.
3.	<i>Bulbophyllum odoratissimum</i>
4.	<i>Calanthe sylvatica</i> (Thours) Lindl.
5.	<i>Coelogyne corymbosa</i> Lind.
6.	<i>Coelogyne fuscescens</i> Lindl.
7.	<i>Coelogyne fimbriata</i> Lindl.
8.	<i>Coelogyne ovalis</i> Lindl.
9.	<i>Cymbidium aloefolium</i>
10.	<i>Cymbidium iridioides</i> D. Don
11.	<i>Dendrobium aphyllum</i> (Roxb.) C.E.C. Fisch.
12.	<i>Dendrobium moschatum</i> (Buch. Ham.) Sw
13.	<i>Dendrobium transparens</i> Wall. ex Lindl.
14.	<i>Dendrobium nobile</i> Lindl.
15.	<i>Eria acervata</i> Lindl.
16.	<i>Eria carinata</i> Gibson
17.	<i>Eria lasiopetala</i> (Willd) Ormerod
18.	<i>Eria pannea</i> L.
19.	<i>Eulophia zollingeri</i> (Reichenb. f.) J.J. Smith
20.	<i>Galeola falcaneri</i> Hook.f.
21.	<i>Liparis plantaginea</i> Lindl.
22.	<i>Oberonia falcata</i> King & Pantl.
23.	<i>Otochilus albus</i> Lindl.
24.	<i>Papilionanthe teres</i> (Roxb.) Schltr.
25.	<i>Pholidata articulata</i> Lindl.
26.	<i>Pholidota imbricata</i> Lindl.
27.	<i>Rhynchostylis retusa</i> (L.) Blume
28.	<i>Vanda cristata</i> Lindl.

CONCLUSION

The East Kameng district of the state is a natural home for numerous wild plants growing in different forests areas. The preliminary report of the flora with partial survey in the district reveals 393 species where, the family like Orchidaceae, Piperaceae, Moraceae, Zingiberaceae, Poaceae, Lauraceae, Lamiaceae are prevalent. The rare and endangered species found need conservation propriety.

These forest resources are commonly used by the local communities for their regular uses and also for commercial benefits. Besides the common timber species more than 130 species have ethnobotanical uses. The canes and bamboos are widely used by the local people for construction, utensils, agricultural and household equipments and furniture. The fresh new shoots of all canes and bamboos are used for edible purpose. The plants like the arums and aroids are also used as vegetables and food. There is a need of a complete comprehensive floristic account of the disatriect to find out the diversified and useful resources. We are attempting for preparation of the detail flora of the state with taxonomic description and colour plates of the species.

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