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AN ANGIOSPERMS CHECK LIST OF LATERITIC PLATEAU OF GOREGUDDA FOREST, KUMTA TALUK, UTTARA KANNADA DISTRICT, KARNATAKA STATE, INDIA

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ABSTRACT

Lateritic plateaus are rich in iron and richness of herbaceous species. It is dominated during Monsoon season. It exhibits different communities of plants, which turns plateau in to different color in different seasons. The Goregudda is located in coastal zones of Kumta taluk, Uttara Kannada District, Karnataka, India. The survey reveals about 221 species belonging to 178 genera and 62 families. The dominant families are Fabaceae (24 species) and Poaceae (23 species). 5 Carnivores plant species, 37 endemic species with one new species reported.

Keywords : Coastal zones, Grass, Insectivores, Medicinal plants, *Parasopubia*, Uttara Kannada.

Introduction

The term laterite, first given by Francis Buchanan in 1807. Initially used to describe a hard iron-rich material cut for building, after following Buchanan's description and definition, for a long time, hard crust rich in iron was simply termed laterite (Xiuming *et al.*, 2019). Lateritic soil is the characteristic of the coastal hinterland of Western Karnataka. The hinterland is formed by the dissection of old laterized geomorphic levels. In this geological relief closer to the coast are laterite capped mesas (tablelands with steep sides) (Bourgeon, 1989). Manmanhara, the largest flattened plateau of Karnataka and second largest in India, the Manmanhara plateau located in Udupi district, stretching about 6 sq. km (Kumar *et al.*, 2013). Conservation reserve status to lateritic plateaus of coastal Uttara Kannada, this floristic survey on Mugali and Bhatkal plateau reports 124 & 105 species respectively (Ramachandra *et al.*, 2012). Rao, *et al.* worked on Seasonal Wetland Flora of the Laterite Plateaus of Coastal Uttara Kannada reports 140 species

from 44 families in that Goregudda has 90 species (2012). Bhandry worked on Diversity and use of ethno medicinal plants in coastal Karnataka, India, reports rich heritage of ethno medicinal tradition which about 342 species are medicinal uses (2014).

Material and Methods

Study area

Goregudda Lateritic plateau located in Northwest coastal zone of Kumta, Uttara Kannada district, 14°23'35.6"N 74°24'49.1"E, approximately covers 100 acres. The large plane area has historical Goreshwara (Gopala Krishna) temple, where every year on the day of ratha-saptami celebrating jatra festival, hence this place was represented god Goreshwara called as Goregudda (Figure-01).

Collection and Identification

The survey was conducted from June 2024 – June 2025. Collected plant species in different season monsoon, winter and summer. The collected specimen was identified with the help of flora (Cooke, 1996;

Saldhana, 1986 & 1994; Bhat, 2003 & 2014; Puneekar & Lakshminarasimhana, 2011) and updating the nomenclature with help of POWO (2025). Endemic species are identified by using Flora of Karnataka a Checklist Volume - 2: Gymnosperms & Angiosperms and IUCN red list category (2025). Recorded the medicinal plants with interaction of local people and some secondary data (Nagabhooshan and Kotresha, 2010; Prashanth and Siddamallayya, 2015 and BSI, 2025).

Preparation and digitization of Herbarium

The specimen will pressed and dried. The dried specimens will be poisoned with alcohol and mercuric chloride mixture (2%) to keep away from fungal attack and insects (BSI, 2025). They will be submitted to the Herbarium of Karnataka Science College (HKSCD) for future references. Digitizing of herbarium and plant species by using android Samsung galaxy A34 or DSLR D 7200 and Dissection of plants by using Stereo microscope (Magnus zooming 1-4 X).

Result

The one year of survey on Goregudda Lateritic plateau, shows seasonal changes of vegetation in different season. In the monsoon season the whole land turns green with white and blue patches indicates abundant of herbaceous with *Eriocaulon* and *Utricularia* species. In winter season it turns greenish yellow, end of the winter it turns brown color, this

season growing abundant of grass. After the beginning of summer season it turns golden yellow color of dry grasses, end of the summer season the whole land become dry (Figure-02).

The survey recorded 221 species belonging to 178 genera and 62 families (Table-1 & Figure-03 to 08). In that 194 are native to India other angiosperm are alien species, 67 are medicinal plants, 37 endemic plants under 25 families, 5 insectivores plants and 1 new species *Parasopubia gorensis* sp. nov. (Vanaja, *et al.*, 2025) recorded (Figure-09). Total 5 Insectivores plants were recorded under 2 families Droseraceae and Lentibulariaceae (*Drosera indica*, *Utricularia graminifolia*, *U. lazulina*, *U. praterita*, *U. reticulata*) (Figure-10). Habit wise distribution of plant species, 156 herbs, 43 shrubs, 14 climber and 8 tree species (Figure-11). In the IUCN status category 64 species are least concern, 1 species VU, 1 species DD, 1 species NT, and 1 species endangered (*Ochna obtusata*) (Figure-12).

Conclusion

This Lateritic plateau is the transition zone of Western Ghats and Arabian sea and it also known as seasonal wetland, it was rich in plant diversity of seasonal herbaceous species with more number of endemic species and one new species were recorded, therefore conservation is necessary for future ecological balance.

Table 1: Check list of Lateritic Plateau of Goregudda, Kumta, Uttara Kannada district:

Sl. No.	Species	Family	Collector No.	Common name	Vernacular name	Habit	Nativity to India	IUCN status	Endemic	Uses
1	<i>Abrus precatorius</i> L.	Fabaceae Lindl.	18	Rosary Pea	Gulaganji	Shrub	India			Diuretic, tonic, emetic treatment
2	<i>Aglaia elaeagnoides</i> (A.Juss.) Benth.	Meliaceae Juss.	21	Punyava	Thottalu	Shrub	India	LC		Dysentery, Skin problem, abdominal pain, uterine problem
3	<i>Alloteropsis cimicina</i> (L.) Stapf	Poaceae Barnhart	140	Summer Grass	Neeru sajjae hullu	Herb	India			
4	<i>Alternanthera sessilis</i> (L.) DC.	Amaranthaceae Juss.	180	Sessile joy weed	Jonagone soppu	Herb	India	LC		Cure night blindness
5	<i>Alysicarpus bupleurifolius</i> (L.) DC. var. <i>bupleurifolius</i>	Fabaceae Lindl.	540	Lanceleaf Alyce Clover	Namadasoppu	Herb	India	LC		
6	<i>Alysicarpus bupleurifolius</i> (L.) DC. var. <i>hybridus</i> DC.	Fabaceae Lindl.	278			Herb	India		AP, BH, KA, KR, MP, PB, TN, UP, WB	
7	<i>Arthraxon lancifolius</i> (Trin.) Hochst.	Poaceae Barnhart	778	Lanceleaf Carpetgrass	Kavale Kavalu	Herb	India			
8	<i>Arundinella metzii</i> Hochst. ex Miq.	Poaceae Barnhart	472			Herb	India		KA, GA, KR, MH, TN	
9	<i>Arundinella pumila</i> (Hochst. ex A.Rich.) Steud.	Poaceae Barnhart	390	Dwarf Reedgrass	Gubbi Pucchad Hullu	Herb	India			
10	<i>Asparagus racemosus</i> Willd	Asparagaceae Juss.	545	Satawari	Halavu Makkala Taayi	Herb	India			Urinary disease, gynaecological, gastric nervous and eye disease
11	<i>Barleria prionitis</i> L.	Acanthaceae Juss.	547	Porcupine Flower	Mullu goranti, Haladi goranti	Shrub	India	LC		Catarrhal infection, glandular swellings, tooth ache

12	<i>Begonia crenata</i> Dryand.	Begoniaceae C.Agardh	60	Common Begonia	Ambuti	Herb	India		WG, GA, KA, KR, MH	
13	<i>Biophytum nervifolium</i> Thwaites	Oxalidaceae R.Br.	313	Little Tree Plant	Horamani	Herb	India			
14	<i>Blumea lacera</i> (Burm.f.) DC	Asteraceae Bercht. & J.Presl	727	Lettuce-Leaf Blumea	Saambraani gida	Herb	India			Anthelmintic, against threadworms, diuretic
15	<i>Blumea oxyodonta</i> DC.	Asteraceae Bercht. & J.Presl	579	Spiny Leaved Blumea		Herb	India			
16	<i>Blyxa aubertii</i> Rich	Hydrocharitaceae Juss.	875	Ceylon Blyxa		Herb	India	LC		
17	<i>Bonnaya antipoda</i> (L.) Druc	Linderniaceae Borsch, Ka Müll. & Eb.Fisch.	362	Sparrow Lindernia		Herb	India			
18	<i>Bonnaya ciliata</i> (Colsm.) Spreng.	Linderniaceae Borsch, Ka Müll. & Eb.Fisch.	102	Fringed Lindernia		Herb	India		WG, KR,	
19	<i>Breynia quadrangularis</i> (Willd.) Chakrab. & N. P. Balakr.	Phyllanthaceae Martinov	178	Quadrangular Leaf-Flower	Punarmuringa	Herb	India			
20	<i>Bridelia stipularis</i> (L.) Blume	Phyllanthaceae Martinov	574	Climbing Bridelia	Bisila balli, Ashathe balli	Shrub	India	LC		
21	<i>Burmanna pusilla</i> (Miers) Thwaites	Burmanniaceae Blume	367	Stalked-Flower Bluethread		Herb	India	LC		
22	<i>Camonea umbellata</i> (L.) A.R.Simões & Staples	Convolvulaceae Juss.	601	hogvine, yellow merremia		Climbe	Alien			
23	<i>Canscora diffusa</i> (Vahl) R.Br. ex Roem. & Schult.	Gentianaceae Juss.	317	Spreading Canscora		Herb	India			Piles, abdominal disorder, skin disease
24	<i>Canscora pauciflora</i> Dalzel	Gentianaceae Juss.	780	Few-Flowered Canscora		Herb	India			
25	<i>Canscora stricta</i> Sedgw.	Gentianaceae Juss.	236	Erect Canscora	Devendra shankapushpa	Herb	India		WG, KR., KA.	
26	<i>Canthium coromandelicum</i> (Burm.f.)	Rubiaceae Juss.	9	Coromandel Boxwood	Karemulu, Karihannu	Shrub	India			Antioxidant, antiphretic, antibacterial, antiinflammatory
27	<i>Carissa carandas</i> L.	Apocynaceae Juss.	25	Karandang, Kerenda	Kavalikai gida, Gadlannu	Shrub	India	DD		Fruit edible
28	<i>Cassytha filiformis</i> L.	Lauraceae Juss.	369	Slender devil's twine		Climbe	India			Urethritis, chronic dysentery, skin infection
29	<i>Casuarina equisetifolia</i> L.	Casuarinaceae R.Br.	669	Whistling Pine, Beefwood	Gali mara	Tree	India	LC		Diarrhea, dysentery, colic
30	<i>Causonis trifolia</i> (L.) Mabb. & J.Wen	Vitaceae Juss	378	Bush Grape	Heggoli	Shrub	India			
31	<i>Celosia argentea</i> L.	Amaranthaceae Juss.	318	Silver Cockscomb	Annesoppu, Hanne soppu	Herb	Alien	LC		
32	<i>Centranthera indica</i> (L.) Gamble	Orobanchaceae Vent.	429	Indian Spur-Anther Flower		Herb	India	LC		
33	<i>Ceropegia attenuata</i> Hook.	Apocynaceae Juss.	927	Tender Ceropegia	Sada Khantudi	Herb	India		KA, GA, MH	
34	<i>Chamaecrista leschenaultiana</i> (DC.) O. Deg.	Fabaceae Lindl.	1031		Nela Tagache	Herb	India			
35	<i>Chamaecrista mimosoides</i> (L.) Greene	Fabaceae Lindl.	326	Feather-leaved Cassia	Nela baage	Herb	India	LC		
36	<i>Chrysopogon aciculatus</i> (Retz.) Trin.	Poaceae Barnhart	480	Love grass	Chorapushpi	Herb	India			
37	<i>Cissus elongata</i> Roxb.	Vitaceae Juss	350	Five-Finger Wild Grape	Aidusara Balli	Shrub	India			
38	<i>Cleome rutidosperma</i> DC.	Cleomaceae Airy Shaw	149	fringed spider flower	Nayibela	Herb	India			
39	<i>Clerodendrum infortunatum</i> L.	Lamiaceae Martinov	99	Hill glory bower	Basavana pada	Shrub	India			
40	<i>Commelina benghalensis</i> L.	Commelinaceae Mirb.	525	Bengal Dayflower	Gubbachhi bale	Herb	India	LC		Demulcent, refrigerant, laxative
41	<i>Commelina diffusa</i> Burm.f.	Commelinaceae Mirb.	50	climbing dayflower	Kanne Soppu	Herb	India	LC		
42	<i>Commelina forskalii</i> Vahl	Commelinaceae Mirb.	32	African dayflower		Herb	India			
43	<i>Crotalaria filipes</i> Benth. var. <i>filipes</i>	Fabaceae Lindl.	447	Creeping Hemp	Phatphati	Herb	India	LC	WG, GA, KA	
44	<i>Crotalaria verrucosa</i> L.	Fabaceae Lindl.	190	Blue Rattlepod	Gijigiji Gida	Shrub	India			
45	<i>Cucumis leiospermus</i> (Wight & Arn.) Ghebret. & Thulin	Cucurbitaceae Juss.	155			Climbe	India			

46	<i>Curculigo orchioide</i> Gaertn	Hypoxidaceae R.Br.	53	Golden eye-grass	Nela-tengu, Nela taale gaddi	Herb	India			Skin problems, diuretic, piles, diarrhoea, asthma
47	<i>Curcuma karnatakensis</i> Amalraj, Velay. & Mural.	Zingiberaceae Martinov	20	Carnatic Curcuma	Kaadu arishina	Herb	India		KA	
48	<i>Curcuma scaposa</i> (Nimmo) Škorničk. & M.Sabu	Zingiberaceae Martinov	923	Scaped Ginger	Kashtara arishina	Herb	India		GA	
49	<i>Cyanotis axillaris</i> (L.) D. Don ex Sweet	Commelinaceae Mirb.	336	Creeping Cradle Plant	Negalu-kanne-soppu	Herb	India	LC		
50	<i>Cyanotis burmanniana</i> Wight	Commelinaceae Mirb.	202	Bristly Dew-Grass		Herb	India			
51	<i>Cyanotis cristata</i> (L.) D. Don	Commelinaceae Mirb.	51	crested cat ears	bettada kanne soppu	Herb	India	LC		
52	<i>Cyanthillium cinereum</i> (L.) H. Rob.	Asteraceae Bercht. & J. Presl	87	Little Ironweed	Sahadevi or Karehindi	Herb	India			
53	<i>Cymbopogon coloratus</i> (Hook. f.) Stapf	Poaceae Barnhart	586	Colourful Citronella Grass	Nimbe hullu	Herb	India			
54	<i>Cyperus arenarius</i> Retz./brevifoliandrum	Cyperaceae Juss.	90	Flat Sedge		Herb	India	LC		
55	<i>Cyperus brevifolius</i> (Rottb.) Hassk.	Cyperaceae Juss.	279	Green Water Sedge		Herb	India	LC		
56	<i>Cyperus mindorensis</i> (Steud.) Huygh	Cyperaceae Juss.	57	white kyllinga	Nirbishi, Sevt gottubhi	Herb	India			
57	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Poaceae Barnhart	393	Spiky Crowfoot Grass	kaadu raagi	Herb	India			Intestinal, biliary, urinary diseases
58	<i>Dicliptera foetida</i> (Forssk.) Blatt.	Acanthaceae Juss.	585	Stinking Foldwing		Herb	India	LC	IN	
59	<i>Digitaria ciliaris</i> (Retz.) Koeler	Poaceae Barnhart	63	Wild Crabgrass	Hanchina kaddi	Herb	India			
60	<i>Digitaria longiflora</i> (Retz.) Pers.	Poaceae Barnhart	64	lesser crabgrass	Kaduthene hullu	Herb	India			
61	<i>Dioscorea bulbifera</i> L.	Dioscoreaceae R.Br.	386	Air Yam	Ambali Genasulu	Herb	India	LC		Ulcers, piles, dysentery
62	<i>Drosera indica</i> L.	Droseraceae Salisb.	68	Flycatcher	Kanmara mogga	Herb	India			
63	<i>Ecbolium ligustrinum</i> (Vahl) Vollesen	Acanthaceae Juss.	351	Blue Fox Tail	Kappukurni	Shrub	India			
64	<i>Echinochloa colona</i> (L.) Link	Poaceae Barnhart	388	Jungle Rice	Kaadu haaraka hullu	Herb	India			
65	<i>Eclipta prostrata</i> (L.) L.	Asteraceae Bercht. & J. Presl	182	False daisy	Bhrahmi	Herb	India	LC		Eye, cold, dental disease, wound hair growth
66	<i>Eleocharis geniculata</i> (L.) Roem. & Schult.	Cyperaceae Juss.	240	Knoblike Spikesedge		Herb	India	LC	MH	
67	<i>Eleocharis marginulata</i> Hochst. ex Steud.	Cyperaceae Juss.	114			Herb	India	LC		
68	<i>Elephantopus scaber</i> L.	Asteraceae Bercht. & J. Presl	468	Elephant Foot	Hakkarike, Nela mucchilu	Herb	India			
69	<i>Eleusine indica</i> (L.) Gaertn.	Poaceae Barnhart	147	Indian Crowfoot Grass	Hecchulli hullu	Herb	India			
70	<i>Epaltes divaricata</i> (L.) Cass.	Asteraceae Bercht. & J. Presl	252	Narrow-Leaf Epaltes		Herb	India	LC		
71	<i>Eragrostis unioides</i> (Retz.) Nees ex Steud.	Poaceae Barnhart	141	Chinese Lovegrass		Herb	India			
72	<i>Eranthemum roseum</i> (Vahl) R.Br. ex Roem. & Schult.	Acanthaceae Juss.	578	Rosy Eranthemum, Blue eranthemum	Kappubobbuli, Kappukarni	Shrub	India	LC	EG, WG, GA, KA, KR, MH, TN,	
73	<i>Eriocaulon eurypleon</i> Körn.	Eriocaulaceae Martinov	256		Kappu gida	Herb	India	LC	KA, GA, KR, MH	
74	<i>Eriocaulon fysonii</i> R. Ansari & N.P. Balakr.	Eriocaulaceae Martinov	195		Mysuru chendu	Herb	India		WG, GA, KA, MH	
75	<i>Eriocaulon goaense</i> Kolte, Yadav & Janarth.	Eriocaulaceae Martinov	133			Herb	India			
76	<i>Eriocaulon odoratum</i> Dalzell	Eriocaulaceae Martinov	262	Fragrant Pipewort		Herb	India	LC		
77	<i>Eriocaulon quinqueangulare</i> L.	Eriocaulaceae Martinov	728	Five-Angled Pipewort		Herb	India			
78	<i>Eriocaulon xeranthemum</i> Mart.	Eriocaulaceae Martinov	255	Dry-Flower Pipewort		Herb	India	LC		

79	<i>Euphorbia deccanensis</i> V.S.Raju	Euphorbiaceae Juss.	265	Konkan Spurge		Herb	India		AP, KA, KR, TN	
80	<i>Euphorbia hirta</i> L.	Euphorbiaceae Juss.	800	Asthma Weed	Karihal soppu, Taddina gida	Herb	Alien			Urinary disorder, worm infestation, sterility, leucorrhoea
81	<i>Evolvulus alsinoides</i> (L.) L.	Convolvulaceae Juss.	146	Dwarf Morning- glory	Vishnukrantha	Herb	India			Fever, abscess, amenorrhoea, brain tonic, hair oil
82	<i>Evolvulus nummularius</i> (L.) L.	Convolvulaceae Juss.	344	Roundleaf Bindweed		Herb	Alien			
83	<i>Exallage auricularia</i> (L.) Bremek.	Rubiaceae Juss.	292	Eared-leaf Diamond flower	Nela Nekkare	Shrub	India			
84	<i>Falconeria insignis</i> Royle	Euphorbiaceae Juss.	24	Tiger's Milk Spruce	Nandaga	Tree	India			
85	<i>Ficus arnottiana</i> (Miq.) Mic	Moraceae Gaudich.	16	Indian rock fig	Kallu ashwatha	Tree	India			Cutaneous infection
86	<i>Fimbristylis lawiana</i> (Boeckeler) J.Kern	Cyperaceae Juss.	82	Star Fimbry		Herb	India	LC		
87	<i>Flemingia semialata</i> Roxb. ex W.T.Aiton	Fabaceae Lindl.	575	Winged-Stalk Flemingia	Badaga	Herb	India			
88	<i>Flueggea leucopyrus</i> Willd.	Phyllanthaceae Martinov	23	Indian snowberry,	Bili sooli gida	Shrub	India	LC		
89	<i>Geissaspis cristata</i> Wight & Arn.	Fabaceae Lindl.	671	Eyelashes Shell Beans	Barkhi	Herb	India	LC		
90	<i>Gloriosa superba</i> L.	Colchicaceae DC.	332	Glory Lily	Agnishikha	Herb	Alien	LC		Leprosy, piles, pain, worms, wounds treatment
91	<i>Grona heterocarpos</i> (L.) H.Ohashi & K.Ohashi	Fabaceae Lindl.	462	Asian Tick Trefoil	Kaadu moovile	Herb	India			
92	<i>Grona triflora</i> (L.) H.Ohashi & K.Ohashi	Fabaceae Lindl.	415	Creeping Tick Trefoil	Kaadu menthe, kaadu pullam purasi	Herb	India			
93	<i>Heteropogon ritchiei</i> (Hook.f.) Blatt. & McCann	Poaceae Barnhart	242			Herb	India		MH	
94	<i>Holarrhena pubescens</i> Wall. ex G.Don	Apocynaceae Juss.	27	Tellicherry tree		Shrub	India	LC		Dysentery, diarrhoea, anthelmintic, antiperiodic, chronic treatment
95	<i>Holigarna arnottiana</i> Hook.f.	Anacardiaceae R.Br.	576	Black Varnish Tree, Malabar marking nut	Holageru	Tree	India	LC	WG, KA, KR TN.	
96	<i>Hoppea fastigiata</i> (Griseb.) C.B.Clarke	Gentianaceae Juss.	244	South-Indian Hoppea		Herb	India	LC		
97	<i>Hugonia mystax</i> L.	Linaceae DC. ex Perleb	5	Climbing flax	Mulu ankole	Shrub	India	LC		Inflammatory swellings anthelmintic, febrifuge, antidote to poison
98	<i>Ichnocarpus frutescens</i> (L.) W.T.Aiton	Apocynaceae Juss.	433	Black Creeper	Gauri balli, Koogal balli	Climber	India			Used to making basket
99	<i>Impatiens minor</i> (DC.) Bennet	Balsaminaceae A.Rich.	56	lesser balsam		Herb	India		WG, GA, MH, KA, KR TN	
100	<i>Indigofera dalzelliana</i> (Kuntze) Peter G.Wilson	Fabaceae Lindl.	96	Sheild Indigo	Dalu nili	Herb	India		WG, GA, KA, MH	
101	<i>Indigofera hendecaphylla</i> Jacq.	Fabaceae Lindl.	461	Creeping Indigo	Mala mandi	Herb	India			
102	<i>Indigofera trifoliata</i> L.	Fabaceae Lindl.	285	Three-Leaf Indigo		Herb	India			Restorative, astringent, aphrodisiac properties
103	<i>Isachne globosa</i> (Thunb.) Kuntze	Poaceae Barnhart	309	Swamp Millet	Swamp millet	Herb	India	LC		
104	<i>Isachne gracilis</i> C.E.Hubb.	Poaceae Barnhart	492	Slender Millet		Herb	India		KA, KR, MH	
105	<i>Ischaemum ciliare</i> Retz.	Poaceae Barnhart	518	Indian Muraina Grass	Kadakke Hullu	Herb	India			
106	<i>Ixora coccinea</i> L.	Rubiaceae Juss.	22	Red Ixora	Kiskara, Kepala	Shrub	India			Stomachic, diarrhoea, dysentery, chronic ulcer eye troubles
107	<i>Isanochloa antidotalis</i> (Retz.) Zuloaga & Delfini	Poaceae Barnhart	411	Blue Panicgrass	Korale	Herb	India			
108	<i>Jasminum malabaricum</i> Wight	Oleaceae Hoffmanns. & Link	639	Malabar Jasmine	Kadu mallige	Shrub	India		WG, GA, KA, KR, AP	
109	<i>Justicia micrantha</i> Wall. ex	Acanthaceae Juss.	593	Small Flowered	Chukki Gida	Herb	India		IN	

	C.B.Clarke			Justicia						
110	<i>Knema attenuata</i> (Wall. ex Hook.f. & Thomson) Warb.	Myristicaceae R.Br.	870	Wild Nutmeg	Raktamara	Shrub	India		KA, GA, KR, MH, TN	
111	<i>Lantana camara</i> L.	Verbenaceae J.St.-Hil.	501	Lantana	Kasooti Hoo, Kaadu Jola	Shrub	Alien			
112	<i>Laportea interrupta</i> (L.) Chew	Urticaceae Juss.	276	Hen's Nettle	Panche rangi	Herb	Alien			
113	<i>Leucas aspera</i> (Willd.) Link	Lamiaceae Martinov	34	Common Leucas	Thumbe gida	Herb	India			Colic, dyspepsia, chronic, skin eruption, cough, fever, and ulcers.
114	<i>Limnophila repens</i> (Benth.) Benth.	Plantaginaceae Juss.	387	Creeping Marshweed	Amaragandhi, maangannaari	Herb	India	LC		
115	<i>Ludwigia perennis</i> L.	Onagraceae Juss.	175	Perennial Water Primrose		Herb	India	LC		Dropsy, pain, swelling, deobstruent
116	<i>Macaranga peltata</i> (Roxb.) Müll.Arg.	Euphorbiaceae Juss.	667	Shield-Leaf Tree	Chandakala	Shrub	India			Bark & Leaves: Decoction employed in vulnerary
117	<i>Mallotus resinousus</i> (Blanco) Merr.	Euphorbiaceae Juss.		Resinous Kamala	Kaamala mara	Shrub	India		KA, KR, TN, MH	
118	<i>Mecardonia procumbens</i> (Mill.) Small	Plantaginaceae Juss.	615	Baby Jump Up		Herb	Alien			
119	<i>Melochia corchorifolia</i> L.	Malvaceae Juss.	328	Chocolate Weed	Bettadatutti mar	Herb	India			
120	<i>Memecylon sessile</i> Benth. ex Wight & Arn.	Melastomataceae Juss.	581	Stalkless Memecylon	Doddanekkare, Mundi	Shrub	India			
121	<i>Memecylon umbellatum</i> Burm.f.	Melastomataceae Juss.	3	Blue mist plant	Halchari gida	Shrub	India	LC	WG	
122	<i>Microcos paniculata</i> L.	Malvaceae Juss.	43	Elm-Leaf Grewia	Biliyabhhrangu	Shrub	India	LC		
123	<i>Microstachys chamaelea</i> (L.) Müll.Arg.	Euphorbiaceae Juss.	165	Creeping Sebastiana		Herb	India			
124	<i>Mimosa pudica</i> L.	Fabaceae Lindl.	302	Touch Me Not	Muttidare Muni	Herb	Alien			Piles, scrotal enlargement, accidental wound, snake poison.
125	<i>Momordica dioica</i> Roxb. ex Willd.	Cucurbitaceae Juss.	340	Spiny Gourd	Madahagala	Climber	India			Wild edible vegetable
126	<i>Murdannia crocea</i> (Griff.) Faden	Commelinaceae Mirb.	334	Ochre Dewflower	Akkina gida	Herb	India			
127	<i>Murdannia nudiflora</i> (L.) Brenan	Commelinaceae Mirb.	192	Dayflower	Kansura	Herb	India			
128	<i>Murdannia semiteres</i> (Dalzell) Santapau subsp. Semiteres	Commelinaceae Mirb.	200	Panicled dewflower or little glory	Little Glory	Herb	India	LC		
129	<i>Murdannia semiteres</i> subsp. <i>sahyadrica</i> (Ancy & Nampy) Nandikar & Gurav	Commelinaceae Mirb.	1059			Herb	India			
130	<i>Mussaenda glabrata</i> (Hook.f.) Hutch. ex Gamble	Rubiaceae Juss.	41	Hairless Mussaenda	Bellotti	Shrub	India		WG, GA, KA, KR, MH, TN	Cough, white leprosy, eye trouble, intestinal worm
131	<i>Naregamia alata</i> Wight & Arn.	Meliaceae Juss.	11	Goanese ipecacuanh	nelabevu	Herb	India		AP, GA, KA, KR, MH, TN	
132	<i>Neanotis calycina</i> (Wall. ex Hook.f.) W.H.Lewis	Rubiaceae Juss.	110	Large-Sepal Starviolet		Herb	India			
133	<i>Neanotis subtilis</i> (Miq.) Govaerts ex Puneekar & Lakshmin.	Rubiaceae Juss.	108	foetid starviolet	Karnataka Chitt	Herb	India		WG, GA, KA, MH	
134	<i>Ochna obtusata</i> DC.	Ochnaceae DC.	14	Ramatana Champaka	Naaroli	Shrub	India	LC & EN		
135	<i>Ocimum americanum</i> L.	Lamiaceae Martinov	398	Lemon Basil	Nayi tulasi	Herb	India			Cough, digestive disorder, treat arthritis, anti bacterial properties
136	<i>Ophiopogon intermedius</i> D.Don	Asparagaceae Juss.	203	Himalayan Lily Turf		Herb	India			
137	<i>Oplismenus burmanni</i> (Retz.) P.Beauv.	Poaceae Barnhart	490	Wavy-Leaf Basketgrass	Bidari hullu	Herb	India			
138	<i>Oplismenus compositus</i> (L.) P.Beauv.	Poaceae Barnhart	481	Running Mountain Grass		Herb	India	LC		
139	<i>Orthosiphon thymiflorus</i> (Roth) Sleesen	Lamiaceae Martinov	214	Thyme Java Tea	Kadu tulsi	Herb	India			
140	<i>Osbeckia muralis</i> Naudin	Melastomataceae Juss.	337	Wall Osbeckia	Gidda Nekkare	Herb	India			

141	<i>Oxalis corniculata</i> L.	Oxalidaceae R.Br.	709	Creeping wood sorrel, yellow wood sorrel	Pullampurchi	Herb	India			Treating cold, cough, diarrhoea
142	<i>Parasopubia delphinifolia</i> (L.) H.-P.Hofm. & Eb.Fisch	Orobanchaceae Vent.	227	Common Sopubia	Kirusasya	Herb	India			Sores on feet
143	<i>Parasopubia gorenensis</i>	Orobanchaceae Vent.	507			Herb				
144	<i>Parasopubia hofmannii</i> Pradeep & Pramod	Orobanchaceae Vent.	215			Herb	India			
145	<i>Paspalum conjugatum</i> P.J.Bergius	Poaceae Barnhart	31	Buffalo Grass		Herb	Alien	LC		
146	<i>Paspalum scrobiculatum</i> L.	Poaceae Barnhart	201	Kodo Millet	Aaraka	Herb	India	LC		Diabetics, clear corneal opacity
147	<i>Passiflora foetida</i> L.	Passifloraceae Juss. ex Roussel	299		Kukkeballi	Climber	Alien			
148	<i>Passiflora suberosa</i> L.	Passifloraceae Juss. ex Roussel	570	Corky passionflower		Climber	Alien			
149	<i>Pavetta crassicaulis</i> Bremek	Rubiaceae Juss.	10	Christmas Bush (e)	Pavati	Shrub	India	LC	EG, WG, AP, KA, MH	Tonic, purgative, diuretic, urinary disease, jaundice, ulcerated nose
150	<i>Pavetta indica</i> L.	Rubiaceae Juss.	877	Indian Pavetta	Haavumekke	Shrub	India	LC		
151	<i>Peltophorum pterocarpum</i> (DC.) Backer ex K.Heyne	Fabaceae Lindl.	796	Copperpod	Bettada hunise	Tree	Alien	LC		
152	<i>Peperomia pellucida</i> (L.) Kunth	Piperaceae Giseke	610	Shiny bush, pepper elder	Neeru kaddi gida	Herb	Alien			
153	<i>Phyla nodiflora</i> (L.) Greene	Verbenaceae J.St.-Hil.	559	Frog Fruit	Nelahippali	Herb	India	LC		Diuretic, febrifuge, stoppage bowels
154	<i>Phyllanthus fraternus</i> G.L.Webster	Phyllanthaceae Martinov	158	Gulf Leaf-Flower	Nelanelli	Herb	India			Diuretic, stomachic, stomach problems, diarrhoea, dysentery
155	<i>Phyllanthus virgatus</i> G.Fors	Phyllanthaceae Martinov	153	Seed Under Leaf	Kaadu Kappi	Herb	India			Eye problem, gonorrhoea
156	<i>Physalis angulata</i> L.	Solanaceae Juss.	148	Angular winter cherry	Sanna budda gida	Shrub		LC		Ear ache, gastric trouble
157	<i>Pigea enneasperma</i> (L.) P.I.Forst.	Violaceae Batsch	59	Pink ladies slipper	Purusharathna	Herb	India			urinary stone, cough, asthma, vomiting, diarrhoea, diabetes
158	<i>Pogostemon benghalensis</i> (Burm.f.) Kuntze	Lamiaceae Martinov	568	Bengal Shrub-Mint	Naati pacche tene	Shrub	India		IN	Antihemorrhagic, febrifuge
159	<i>Polygala glaucoidea</i> L.	Polygalaceae Hoffmanns. & Link	283	Narrow-Leaved Milkwort		Herb	India			
160	<i>Pothos scandens</i> L.	Araceae Juss.	441	Climbing Aroid	Arakade beru	Herb	India			Stem, Root & Leaves: Asthma, small pox, pustules
161	<i>Pouzolzia zeylanica</i> (L.) Benn.	Urticaceae Juss.	310	Graceful Pouzolzia's Bush		Herb	India			Gangrenous ulcer, sores and boils
162	<i>Premna serratifolia</i> L.	Lamiaceae Martinov	1	Headache Tree	Takkila, Ardhra soppu mara	Shrub	India			
163	<i>Pseudarthria viscida</i> (L.) Wight & Arn.	Fabaceae Lindl.	482	Sticky Desmodium	Antubele Gida	Herb	India			Febrifuge, antirheumatic, diarrhoea
164	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Apocynaceae Juss.	48	Indian snakeroot	Sarpagandhi, Shivavabhiballi	Herb	India	LC		Psychosis, worms, epilepsy, anorexia, nervous system, mental disorder
165	<i>Reissantia indica</i> (Willd.) N.Hallé	Celastraceae R.Br.	883	Mopane Paddle-Pod	Dodda maatri balli	Herb	India			Respiratory trouble, sores and wound
166	<i>Rhamphicarpa fistulosa</i> (Hochst.) Benth.	Orobanchaceae Vent.	126	Rice vampireweed	Tutari	Herb	India		KA, KR, MH, TN	
167	<i>Rhynchospora wightiana</i> (Nees) Steud.	Cyperaceae Juss.	237	Two-Color Beak-Sedge		Herb	India			
168	<i>Rostellaria procumbens</i> (L.) Nees	Acanthaceae Juss.	156	Water willow	Hucchu nela bevu	Herb	India			Diaphoretic, diuretic, anthelmintic, asthma, cough
169	<i>Rotala malampuzhensis</i> R.V.Nair & C.D.K.Cook	Lythraceae J.St.-Hil.	230	Malampurha Rotala		Herb	India		KA, KR, MH	
170	<i>Ruellia patula</i> Jacq.	Acanthaceae Juss.	374	Spreading Ruellia		Herb	India	LC		
171	<i>Rungia muralis</i> Royle ex	Acanthaceae Juss.	775	Wall Rungia		Herb	India			

	Nees									
172	<i>Rungia pectinata</i> (L.) Nees	Acanthaceae Juss.	560	Comb Rungia		Herb	India			
173	<i>Salomonina ciliata</i> (L.) DC.	Polygalaceae Hoffmanns. & Link	267	Fringed-Leaf Milkwort		Herb	India			
174	<i>Scoparia dulcis</i> L.	Plantaginaceae Juss.	346	Licorice weed	Mrugandhi gida	Herb	Alien			Cough, fever, tooth ache, antidiabetic
175	<i>Senegalia senegal</i> (L.) Britton	Fabaceae Lindl.	271	Gum Arabic Tree	Mulli mara	Tree	India			
176	<i>Senna tora</i> (L.) Roxb.	Fabaceae Lindl.	235	Stinking Cassia	Chagate	Shrub	Alien			Skin disease, ringworm treatment
177	<i>Sesamum indicum</i> L.	Pedaliaceae R.Br.	871	Sesame	Ellu	Herb	India			
178	<i>Setaria pumila</i> (Poir.) Roem. & Schult.	Poaceae Barnhart	389	Yellow Foxtail	Bilikoriekhullu	Herb	India			
179	<i>Sida acuta</i> Burm.f.	Malvaceae Juss.	391	Morning mallow	Bhimana kaddi	Shrub	India			Diuretic, testicular swellings, urinary disorders
180	<i>Sida cordata</i> (Burm.f.) Borss. Waalk.	Malvaceae Juss.	566	Long-stalk Sida	Bekkinathale gida	Herb	India			Pain, nervous disorder, cardiac disease, piles, urinary trouble
181	<i>Sida rhombifolia</i> L.	Malvaceae Juss.	528	Rhombic-Leaf Sida	Kallangadale	Shrub	India			Rheumatism, tuberculosis, emollient, pain, nervous disorder, cardiac disease, piles
182	<i>Smilax zeylanica</i> L.	Smilacaceae Vent.	849	Ceylon Smilax	Kadu hambu	Climber	India			
183	<i>Smithia conferta</i> Sm.	Fabaceae Lindl.	233	Congested Flower Smithia	Kuduhullu	Herb	Alien			Biologicalness, cure sterility
184	<i>Solanum capsicoides</i> All.	Solanaceae Juss.	171	Turkey Berry	Kaadu sonde	Shrub	Alien			
185	<i>Solena amplexicaulis</i> (Lam.) Gandhi	Cucurbitaceae Juss.	206	Creeping cucumber	Karagala or Bimbipuli	Climber	India		KA, KR, TN	
186	<i>Spermacoce articularis</i> L.f.	Rubiaceae Juss.	160	Jointed Buttonweed	Gantigana Kasa	Herb	India			
187	<i>Spermacoce exilis</i> (L.O. Williams) C.D. Adams ex W.C. Burger & C.M. Taylor	Rubiaceae Juss.	123	Broad-Leaf Buttonweed	Daarekaddi	Herb	Alien			
188	<i>Spigelia anthelmia</i> L.	Loganiaceae R.Br. ex Mart.	329	Wormbush		Herb	Alien			
189	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Verbenaceae J.St.-Hil.	519	Blue Porterweed	Kariuttarani, Kaadu uttarani	Shrub	Alien			Ring worm treatment
190	<i>Stenotaphrum dimidiatum</i> (L.) Brongn.	Poaceae Barnhart	30	Pemba Grass	Akku hullu	Herb	India			
191	<i>Stephanotis volubilis</i> (L.f.) S. Reuss, Liede & Meve	Apocynaceae Juss.	873	Sneeze Wort, Cotton milk plant	Hegala sappu	Climber	India			Emetic, purgative, boils abscesses
192	<i>Striga asiatica</i> (L.) Kuntze	Orobanchaceae Vent.	120	Witchweed	Bili Kasa	Herb	India			Revitalize appetite
193	<i>Striga gesnerioides</i> (Willd.) Vatke	Orobanchaceae Vent.	198	Purple Witchweed		Herb	India			Diabetes
194	<i>Synedrella nodiflora</i> (L.) Gaertn.	Asteraceae Bercht. & J. Presl	479	Cinderella Weed	Tota-halu-gida	Herb	Alien			Treating rheumatism
195	<i>Syzygium caryophyllatum</i> (L.) Alston	Myrtaceae Juss.	7	South Indian Plum	Kunta Nerale	Shrub	India	VU		
196	<i>Tabernaemontana alternifolia</i> L.	Apocynaceae Juss.	12	Batag batag	Bili kodasalu, Halmeti, Maddarasa	Tree	India		KA, GA, MH, KR, TN	
197	<i>Tacca leontopetaloides</i> (L.) Kuntze	Dioscoreaceae R.Br.	863	Fiji Arrowroot, batflower	Handigedde	Herb	India	LC		
198	<i>Tadehagi triquetrum</i> (L.) H. Ohashi	Fabaceae Lindl.	435	Winged-Stalk Desmodium	Dodotte, Molad gida	Herb	India	LC		
199	<i>Tephrosia tinctoria</i> (L.) Pers.	Fabaceae Lindl.	437	Orange Tephrosia	Batteharaku gida	Herb	India	LC		
200	<i>Teramnus mollis</i> Benth.	Fabaceae Lindl.	584	Blue Wiss	Adavi uddu	Herb	India			
201	<i>Torenia crustacea</i> (L.) Cham. & Schtdl.	Linderniaceae Borsch, K. Müll. & Eb. Fisch.	312	Malaysian Lindernia		Herb	India	LC	WG, MH	
202	<i>Torenia godefroyi</i> Bonati	Linderniaceae Borsch, K. Müll. & Eb. Fisch.	105			Herb	India			
203	<i>Tragia involucrata</i> L.	Euphorbiaceae Juss.	450	Canchorie root-plant	Turike Balli	Herb	India			Treatment to guinea worm, itchy eruption on the skin
204	<i>Tricholepis glaberrima</i>	Asteraceae Bercht. &	513	Lanceleaf	Brahmadamde	Herb	India		WG., KA.,	Curing cough, skin

	DC.	J.Presl		Camel Thistle					KR	disease
205	<i>Trichosanthes tricuspidata</i> Lour.	Cucurbitaceae Juss.	569	Indrayan, Red ball Snake gourd	Haavu Mekkekaayi	Climber				Sores, carbuncles, hemicrania, ozoena
206	<i>Tridax procumbens</i> L.	Asteraceae Bercht. & J.Presl	305	Tridax Daisy	Sanna shavanti Gida	Herb				Dysentery, diarrhoea, antiseptic, insecticidal, wounds and restoring hair
207	<i>Trigastrotheca stricta</i> (L.) Thulin	Molluginaceae Bartl.	79	Erect Carpetweed	Sudlai	Herb	India			
208	<i>Triumfetta rhomboidea</i> Jacq	Malvaceae Juss.	444	Burr Bush	Jottote	Shrub	India			
209	<i>Urena lobata</i> L.	Malvaceae Juss.	456	Caesarweed	Bekkina Hejje Gida	Shrub	India			
210	<i>Utricularia graminifolia</i> Vahl	Lentibulariaceae Rich.	226	Grass-Leaved Bladderwort		Herb	India	LC		
211	<i>Utricularia lazulina</i> P.Taylor	Lentibulariaceae Rich.	130	Lazuli Bladderwort		Herb	India		WG, GA, KA, KR	
212	<i>Utricularia praeterita</i> P.Taylor	Lentibulariaceae Rich.	951	Tiny Bladderwort		Herb	India	NT	KA, WG, GA, MH	
213	<i>Utricularia reticulata</i> Sm.	Lentibulariaceae Rich.	225	Net Veined Bladderwort	Kaage kannu	Herb	India	LC		
214	<i>Vigna vexillata</i> (L.) A.Rich	Fabaceae Lindl.	377	Zombi pea	Halunda	Climber	India			
215	<i>Vincetoxicum indicum</i> (Burm.f.) Mabb.	Apocynaceae Juss.	33	Indian ipecac	Antamula, Nipaladaberu	Climber	India			
216	<i>Vitex negundo</i> L.	Lamiaceae Martinov	37	Smallflower chastetree	lakki gida	Tree	India	LC		
217	<i>Xyris indica</i> L.	Xyridaceae C.Agardh	250	Cape Yellow-Eyed Grass		Herb	India	LC		
218	<i>Yamazakia pusilla</i> (Willd.) W.R.Barker, Y.S.Liang & Wannan	Linderniaceae Borsch, Ka Müll. & Eb.Fisch.	342	Tiny Slitwort		Herb	India	LC		
219	<i>Ziziphus glabrata</i> (B.Heyne ex Schult.) B.Heyne ex Wight & Arn.	Rhamnaceae Juss.	808	Karukaavu	Kotte gida	Shrub	India			Purify blood, chronic venereal infection
220	<i>Ziziphus mauritiana</i> Lam	Rhamnaceae Juss.	416	Indian jujube	Bogari	Shrub	India	LC		Astringent, stomachic, antidiarrhoeal, diarrhoea purgative, inflammations
221	<i>Ziziphus rugosa</i> Lam.	Rhamnaceae Juss.	789	Wild Jujube	Bilimullannu	Shrub	India	LC		Used in hypotensive and edible fruit

AP: Andra Pradesh; BH: Bihar; DD: Data deficient; EN: Endangered; LC: Least concern; GA: Goa; KA: Karnataka; KR: Kerala; MH: Maharashtra; MP: Madhya Pradesh; NT: Near to Threatened; PB: Panjab; TN: Tamilnadu; UP: Uttara Pradesh; VU: Vulnerable; WB: West Bengal.

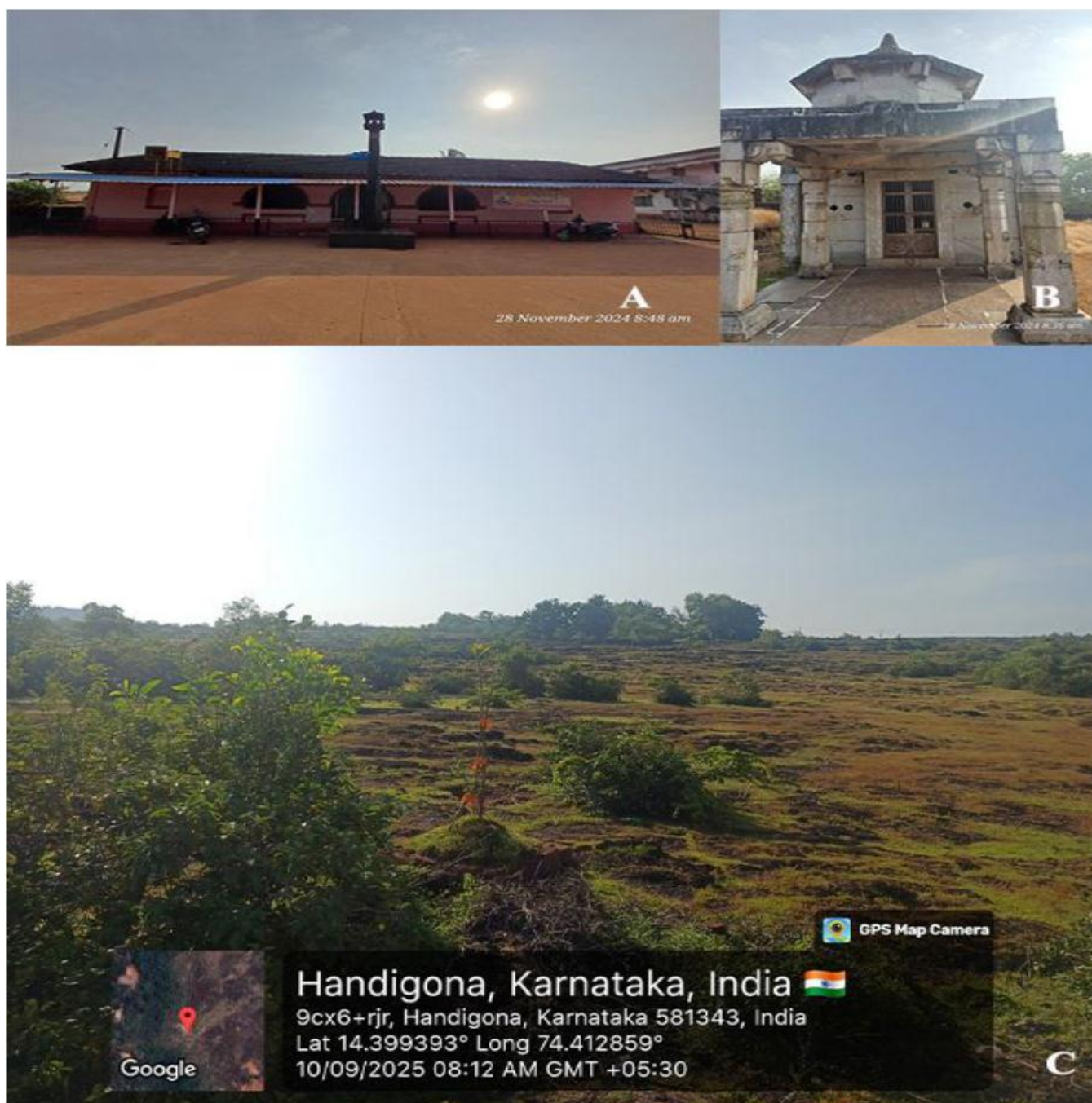


Figure 01: Study area Goregudda Lateritic Plateau Kumta Uttara Kannada, Karnataka **A.** Gopala Krishna (Goreshwara) Temple; **B.** Ganesha Temple; **C.** GPS photography of Goregudda lateritic plateau.

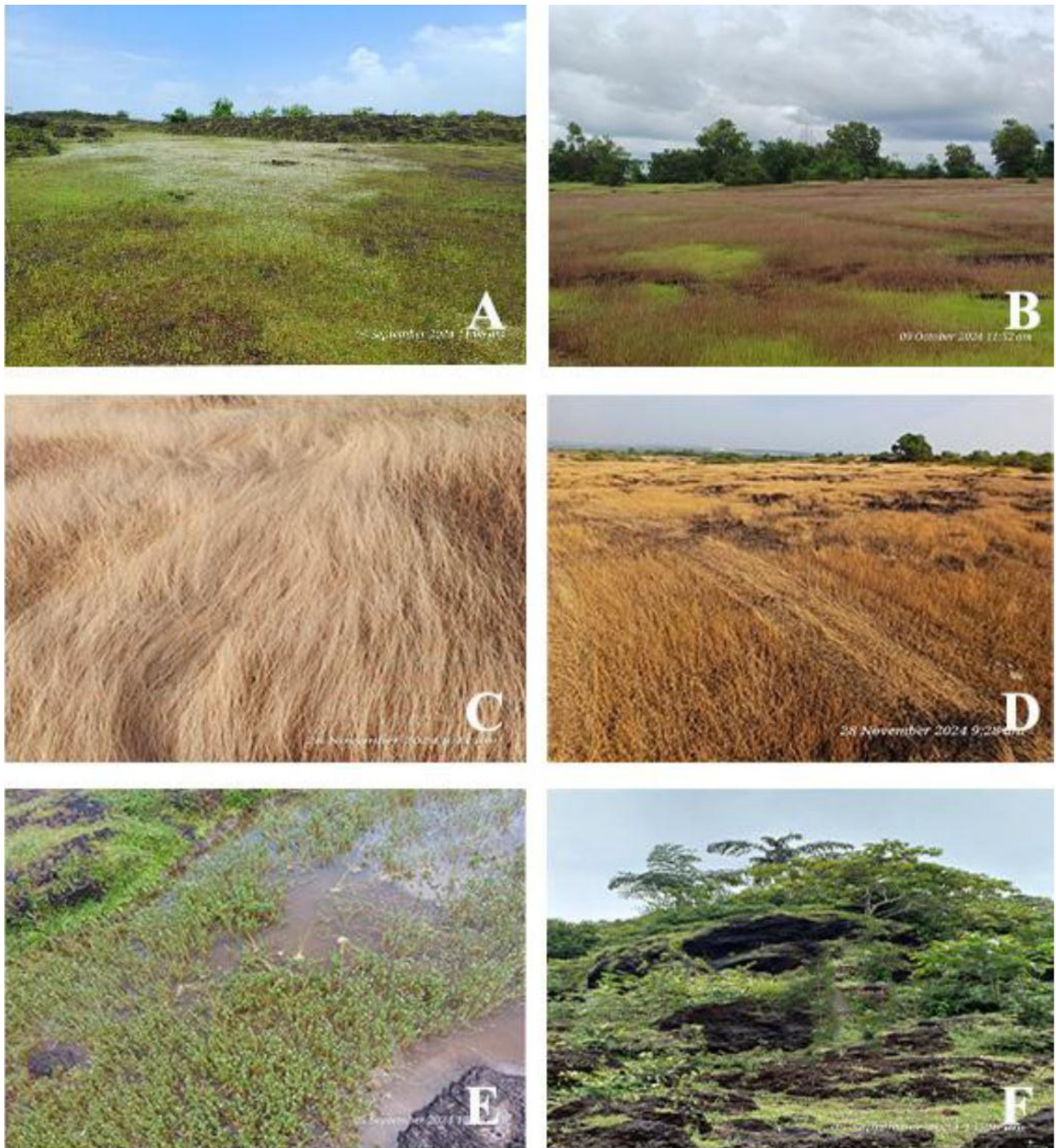


Figure 02: Seasonal variation in different season: A: Monsoon season; B: Winter season; C: Middle of Winter and Summer season; D: Summer season; E: Ephemeral ditches at Lateritic plateau; F: Shrubby vegetation of Lateritic plateau.

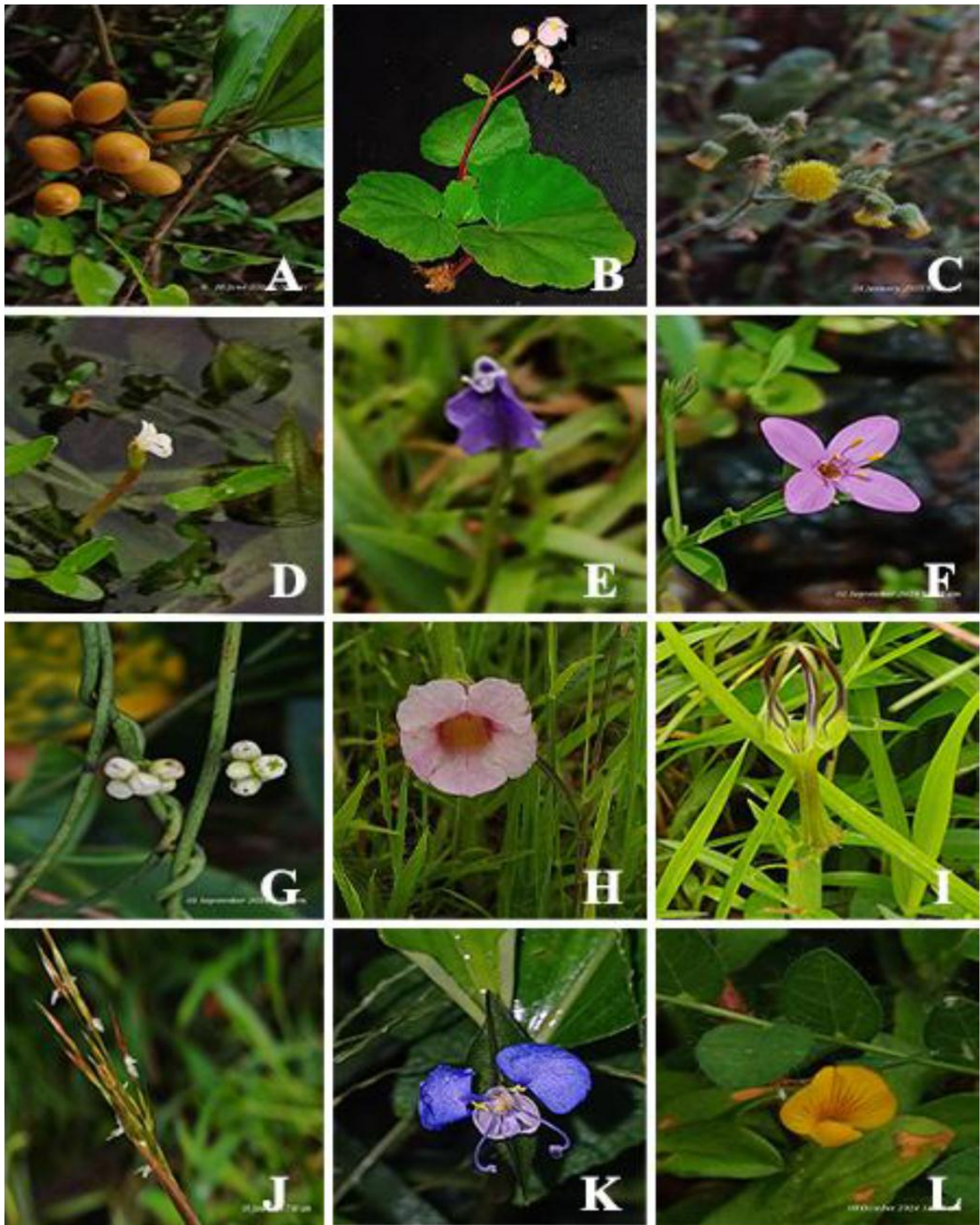


Figure 03: A. *Aglaia elaeagnoidea*; B. *Begonia crenata*; C. *Blumea oxyodonta*; D. *Blyxa aubertii*; E. *Burmannia pusilla*; F. *Canscora stricta*; G. *Cassytha filiformis*; H. *Centranthera indica*; I. *Ceropegia attenuate*; J. *Chrysopogon aciculatus*; K. *Commelina forskaoilii*; L. *Crotalaria filipes*.

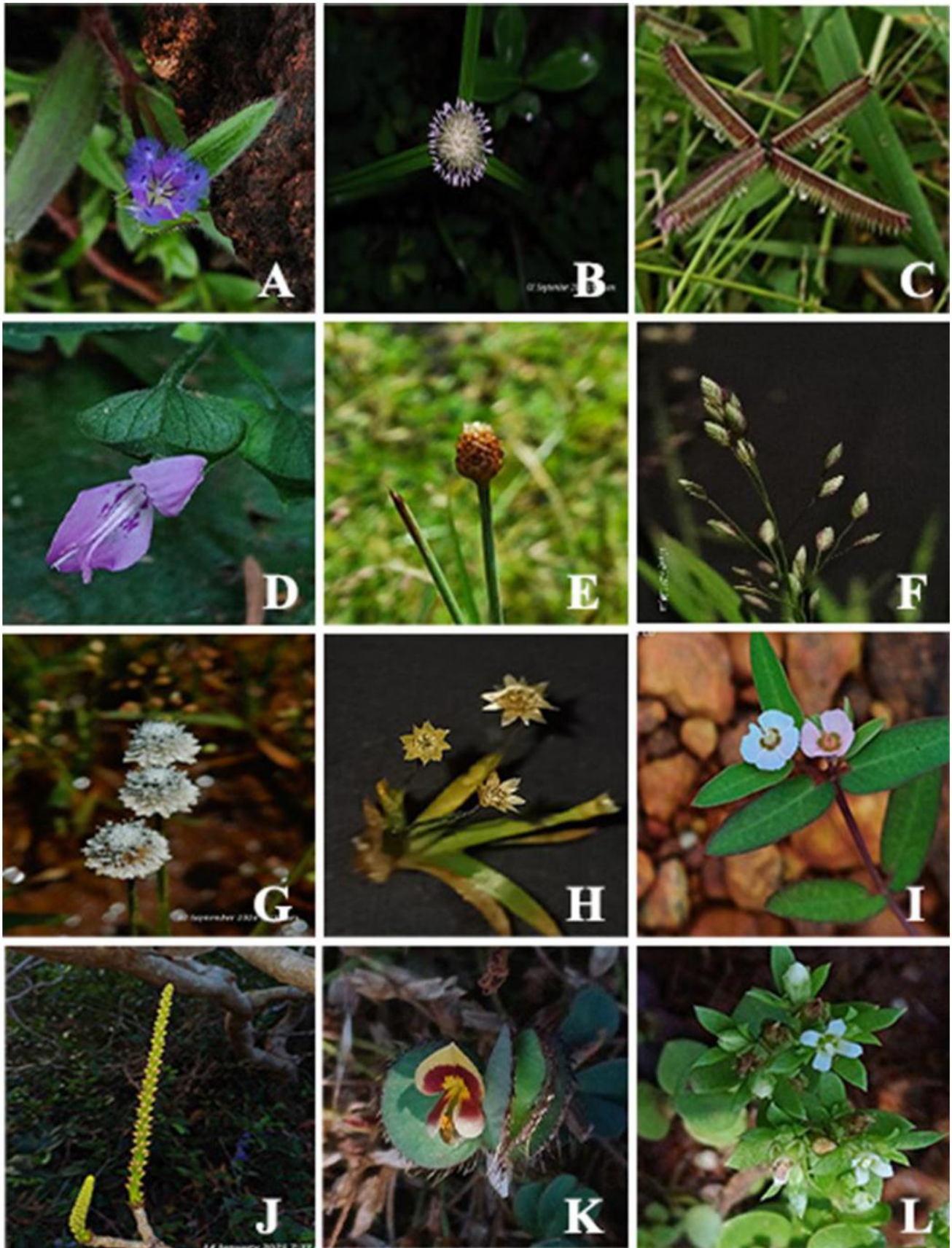


Figure 04: A. *Cyanotis burmanniana*; B. *Cyperus mindorensis*; C. *Dactyloctenium aegyptium*; D. *Dicliptera foetida*; E. *Eleocharis geniculata*; F. *Eleusine indica*; G. *Eriocaulon odoratum*; H. *Eriocaulon xeranthemum*; I. *Euphorbia deccanensis*; J. *Falconeria insignis*; K. *Geissaspis cristata*; L. *Hoppea fastigiata*.

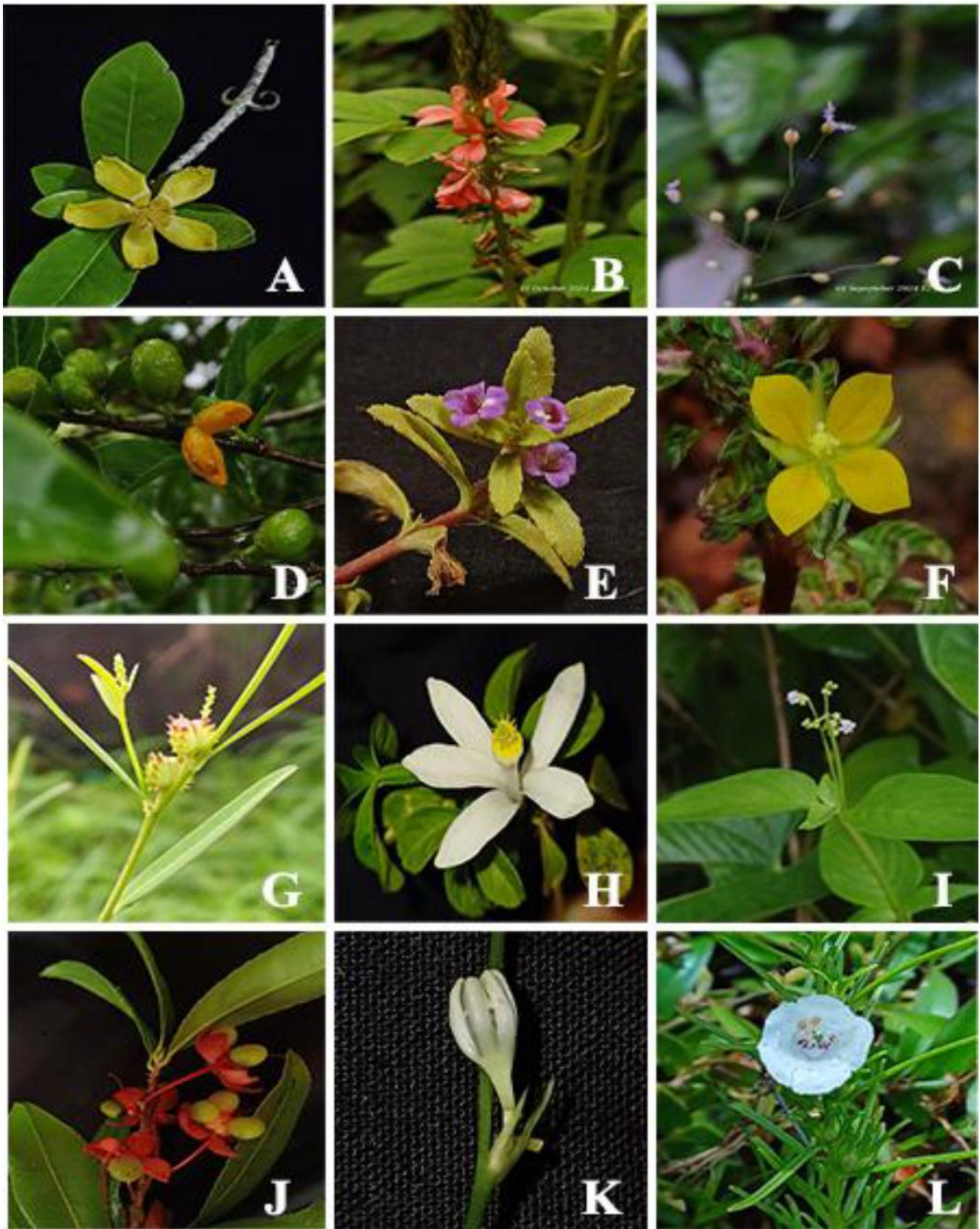


Figure 05: A. *Hugonia mystax*; B. *Indigofera hendecaphylla*; C. *Isachne globosa*; D. *Knema attenuate*; E. *Limmophila repens*; F. *Ludwigia perennis*; G. *Microstachys chamaelea*; H. *Naregamia alata*; I. *Neanotis calycina*; J. *Ochma obtusata*; K. *Ophiopogon intermedius*; L. *Parasopubia hofmannii*.

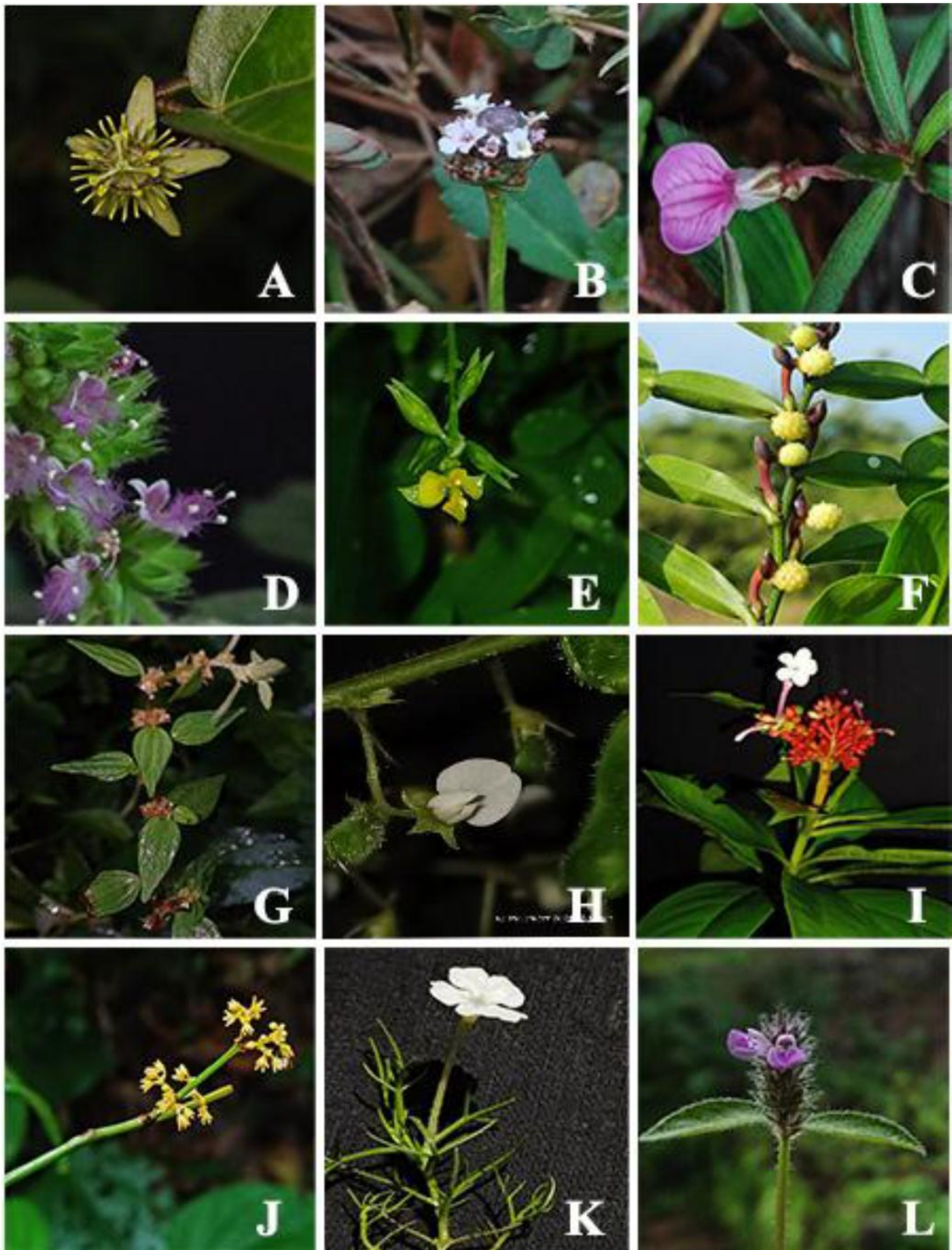


Figure 06: A. *Passiflora suberosa*; B. *Phyla nodiflora*; C. *Pigea enneasperma*; D. *Pogostemon benghalensis*; E. *Polygala glaucoides*; F. *Pothos scandens*; G. *Pouzolzia zeylanica*; H. *Pseudarthria viscida*; I. *Rauvolfia serpentina*; J. *Reissantia indica*; K. *Rhamphicarpa fistulosa*; L. *Rostellularia procumbens*.

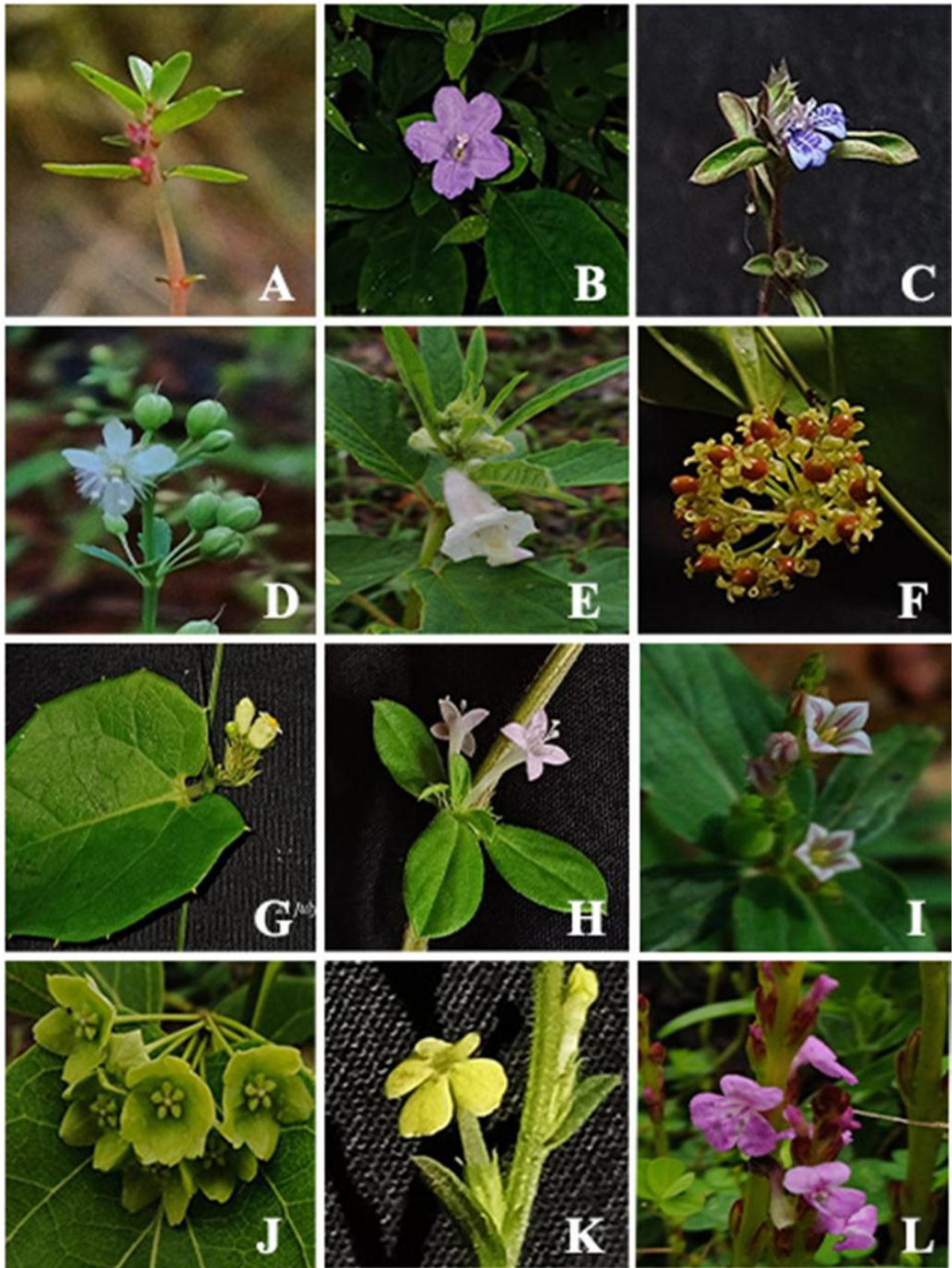


Figure 07: A. *Rotala malampuzhensis*; B. *Ruellia patula*; C. *Rungia pectinata*; D. *Scoparia dulcis*; E. *Sesamum indicum*; F. *Smilax zeylanica*; G. *Solena amplexicaulis*; H. *Spermacoce articularis*; I. *Spigelia anthelmia*; J. *Stephanotis volubilis*; K. *Striga asiatica*; L. *Striga gesnerioides*.

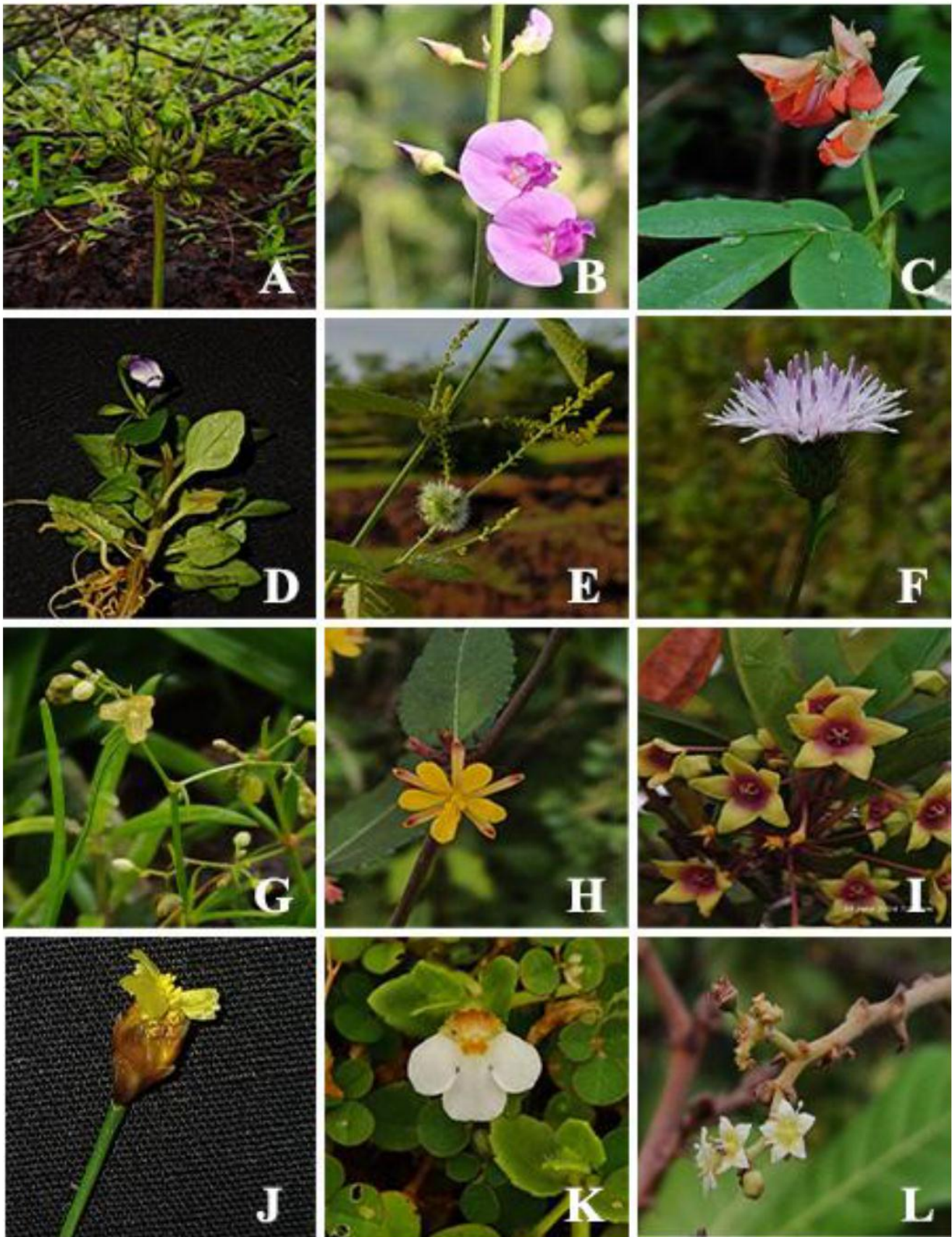


Figure 08: A. *Tacca leontopetaloides*; B. *Tadehagi triquetrum*; C. *Tephrosia tinctoria*; D. *Torenia godefreyi*; E. *Tragia involucrate*; F. *Tricholepis glaberrima*; G. *Trigastrotheca stricta*; H. *Triumfetta rhomboidea*; I. *Vincetoxicum indicum*; J. *Xyris indica*; K. *Yamazakia pusilla*; L. *Ziziphus rugosa*.

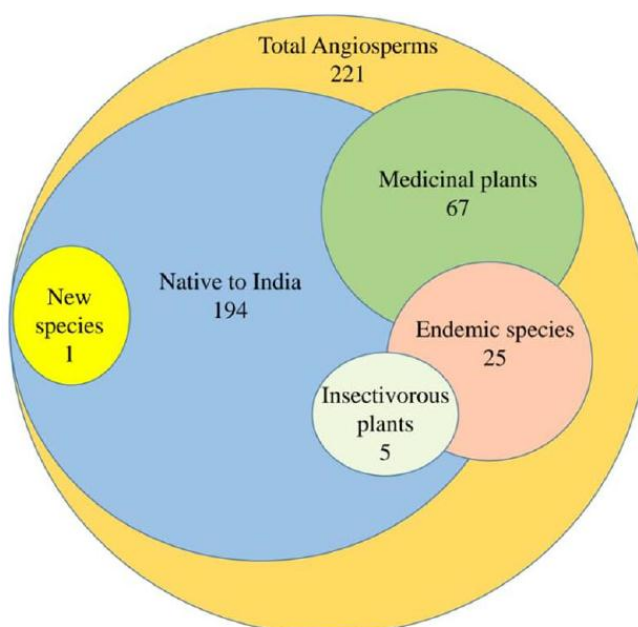


Figure 09: Pie chart showing different diversity of plants

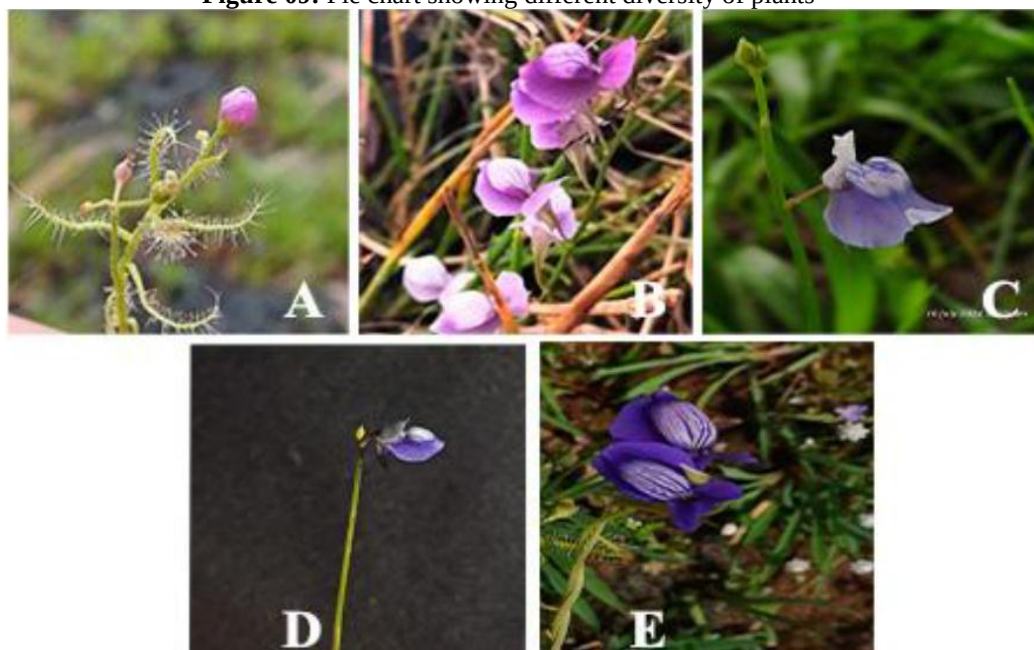


Figure 10: Carnivores plant: **A:** *Drosera indica* (Droseraceae); **B:** *Utricularia graminifolia*; **C:** *U. lazulina*; **D:** *U. praterita*; **E:** *U. reticulata* (Lentibulariaceae).

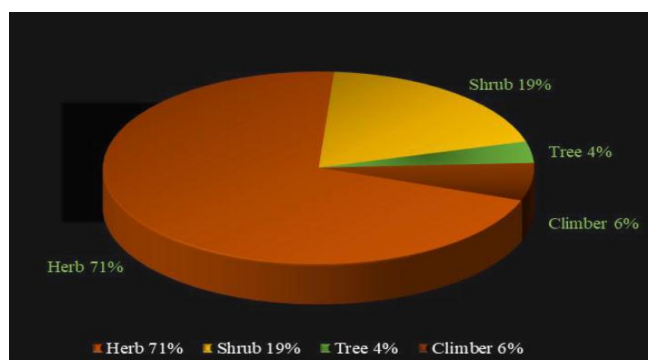


Figure 11: Habit wise distribution in Goregudda Lateritic Plateau

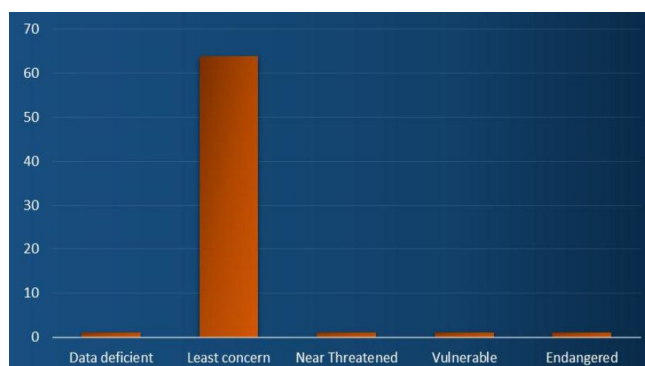


Figure 12: IUCN status angiosperm in Goregudda Lateritic Plateau

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