

Floristic composition of Ananthagiri Hills in Vikarabad District, Telangana, India

L. Paramesh^{1*} and A. Vijaya Bhasker Reddy²

^{1,2}Department of Botany, Nizam College, Osmania University, Hyderabad 500001, India.

^{1*}parameshbotany@gmail.com, ²avijayabhaskerreddy@gmail.com

*Corresponding author

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ABSTRACT

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Ananthagiri Hills in Vikarabad District, Telangana is a great harbor of many medicinal and rare plant species. A survey was conducted on floristic composition of Ananthagiri Hills during 2018 to 2021 which resulted in the enumeration and documentation of plant wealth representing 626 species under 386 genera and 90 families of vascular plants and 6 pteridophyte species. A detailed checklist of plant species, family and habit wise analysis is presented to understand the floral composition of the area. The flora is dominated by the following families: *Fabaceae*, *Poaceae*, *Malvaceae*, *Asteraceae*, *Acanthaceae*, *Convolvulaceae* and *Rubiaceae*. The present study also identifies major and minor threats to the floral components and suggests remedial measures for conservation.

Keywords: Floristic composition, vascular plants, Ananthagiri Hills, Telangana, India.

INTRODUCTION

Biodiversity reflects the total richness and variability of living organisms on the earth, e.g. plants, animals, fungi, microorganism, etc. All living organisms are interconnected with complex ecosystems and food chains. Biodiversity provides many benefits to humans like food, fodder, fiber, shelter, housing, fuel, cloths, etc. as well as aesthetic, economic and environmental values. Everyone must be aware of the importance and good knowledge of biodiversity for their sustainable livelihood in future. Population explosion, urbanization, industrialization, habitat fragmentation, overexploitation and unsustainable use of resources like medicinal plants, timber, fossil fuels, fodder, water and soil lead to tremendous loss of biodiversity every day. There is an urgent need to conserve biodiversity before it

disappears. It is possible with the documentation of the floral and faunal species of a particular area. Floristic exploration and documentation of plant taxa reveal vegetation type of an area and its natural resources and their uses. Traditional knowledge helps the economic development of people.

Sacred groves are patches of relict vegetation that are usually associated with folk deities and are conserved by the local communities based on taboos, religious beliefs and social sanctions. The presence of plant richness and conservation potential of sacred grove emphasize to recognize them as 'Mini Biosphere Reserve' (Gadgil & Vartak 1975). The International Union for Conservation of Nature and Natural Resources (IUCN) is the world's main authority on conservation status of species. According to Malhotra

et al. (2001), 13,720 sacred groves are present in India. The World-Wide Fund for Nature, Andhra Pradesh documented 65 sacred groves in Telangana (Raju 1996). Of the many studies carried out on sacred grooves of Telangana, the noteworthy ones are on Tirumalaiah Gutta sacred grove in Wanaparthy District (Sadasivaiah et al. 2018) and medicinal plant explorations on Mallur Gutta sacred grove in Warangal district (Suthari et al. 2016). In order to conserve biodiversity, plant taxonomists throughout the world are documenting flora at different levels - national, regional, local, etc.

STUDY AREA

Vikarabad district is spread over an area of 3386 km². It shares boundaries with Sangareddy, Rangareddy and Mahaboobnagar districts and the state of Karnataka (Figure 1). Ananthagiri Hills, about 6 km from Vikarabad, is one of the most attractive tourist spots and sacred groves in Telangana and is considered to be part of Telangana's dense forest zones. The presence of beautiful lush green vegetation, jungle pathways, mesmerising beauty of running hilly patches,

small fresh water streams, the birthplace of Musi River and colourful grasslands, as well as ancient caves and fort-like constructions, create interest of nature lovers in this area. The sacred grove is composed of ancient temples in the hills, such as Sri Anantha Padmanabha Swamy Temple, where Lord Vishnu appears in the form of Sri Anantha Padmanabha Swamy and Bugga Ramalingeshwara Swamy Temple, which is dedicated to Lord Shiva and is situated at the origin of the river Musi, which flows through Hyderabad city. These two places attract many visitors and devotees. According to Skanda Purana, it is believed that the Anantha Padmanabha Swamy temple was constructed by the Rishi Markandeya in the Dwapara Yuga on Ananthagiri Hills. The main temple of Lord Padmanabha Swamy was built by the Hyderabad Nawab as Sri Anantha Padmanabha Swamy is believed to have appeared in his dreams and asked him to build a temple.

The study area is one of the dense forests of Telangana State. The area of Ananthagiri reserve forest block is spread over 1505 Ha and is surrounded by Ananthagiripalle, Godumaguda, Kerelli, Munnurusomaram and Ebbanur villages. The climate

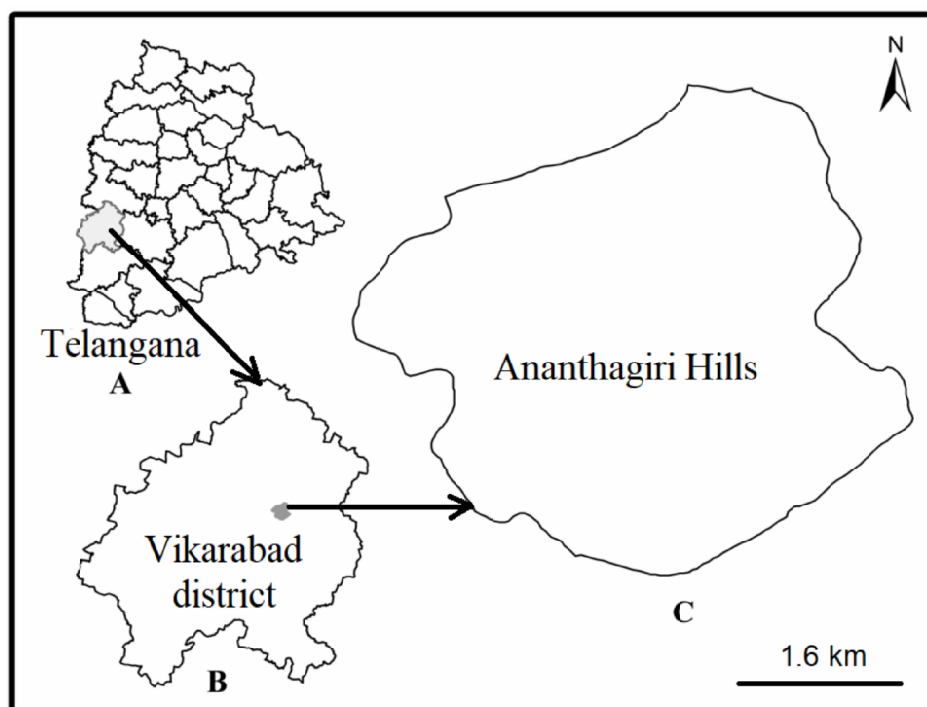


Figure 1. A. Map of Telangana State showing location of Vikarabad District. B. Map of Vikarabad District showing location of Ananthagiri Hills. C. Map of the study area, Ananthagiri Hills, from where the flora has been recorded.

of the area is pleasant and cool in Monsoon season of June to November months and hot in summer season of December to May. The hottest months are March, April and May with maximum temperatures of 42° C and lowest temperatures of 13° C in December during night times. The average temperature lies between 35–40°C and rainfall is 802 mm throughout the year. Mainly two types of fertile soils, i.e., red soil and black cotton soil, support the diversified and luxurious growth of plants.

The forest area of Ananthagiri Hills is categorized into three types of major habitats: i. dry deciduous, ii. scrub jungle, and iii. savannah like grasslands. Dry deciduous forest is dominated with *Anogeissus latifolia*, *Chloroxylon swietenia*, *Dalbergia lanceolaria* subsp. *paniculata*, *Diospyros melanoxylon*, *Eucalyptus globulus*, *Mallotus philippensis*, *Soymida febrifuga*, *Tectona grandis*, *Terminalia arjuna*, *Terminalia elliptica* and *Wrightia tictoria*. Scrub jungle is mixed with plants like *Dichrostachys cinerea*, *Diospyros chloroxylon*, *Dodonaea viscosa*, *Gymnosporia emarginata*, *Lantana camara*, *Pterolobium hexapetalum*, *Senegalia intsia*, *Ximenia americana*, *Ziziphus oenopolia*, and woody climbers *Combretum latifolium*, *Olex scandens*, *Phanera vahlii* and *Ventilago denticulata*. Savannah like grassland is mainly occupied with grasses of *Chrysopogon fulvus*, *Dichanthium annulatum*, *Heteropogon contortus*, *Lophopogon tridentatus* with scattered distribution of *Gymnosporia emarginata*, *Senegalia chundra*, *Mimosa hamata* and *Dolichandrone falcata*.

MATERIALS AND METHODS

The present work, based on field study of plants, was conducted during 2018–2021 covering all seasons. All the details like habitat features, soil type, elevation, GPS, vegetation type, associated plant species, etc. were noted in the field note book carefully during collection of specimens. The specimens were collected in quadruplicates and then poisoned, dried and made into herbarium according to standard methodology (Jain & Rao 1997; Forman & Bridson 1989) and stored in

Osmania University Herbarium (HY). The identification was done by using the key vegetative and reproductive features of regional floras, viz. Flora of the Presidency of Madras (Gamble & Fischer 1915–1935), Flora of the British India (Cook 1901–1908), Flora of Rangareddy District (Pullaiah & Mahammed 1999) and Flora of Telangana State (Pullaiah 2015, Reddy & Reddy 2016) and e-floras, and other available literature. The identification of medicinal plants and uses collected from cattle grazers, shepherds, local people is based on secondary literature. The relevant information is documented. The nomenclature is done as per www.powo.org, www.ipni.org, and all the angiosperm taxa have been identified, kept in alphabetical order with the correct binomial name under their corresponding families, and the families have been arranged according to APG-IV (2016) classification system.

RESULTS AND DISCUSSION

Floristic Analysis

In the present study, a total number of 626 angiosperm plant taxa, under 386 genera, 90 families and 33 orders, are documented. Six pteridophyte species, viz. *Actiopteris radiata*, *Adiantum incisum*, *Cheilanthes tenuifolia*, *Marsilea quadrifolia*, *Ophioglossum costatum*, *Selaginella bryopteris*, are also recorded. Out of 90 families, 14 families belong to monocotyledons (138 taxa) and 76 families belong to dicotyledons (474 taxa) (Table 1). The top ten dominant families are: *Fabaceae* (101 taxa), *Poaceae* (86 taxa), *Malvaceae* (31 taxa), *Asteraceae* (30 taxa), *Acanthaceae* (25 taxa), *Rubiaceae* (21 taxa), *Convolvulaceae* (21 taxa), *Lamiaceae* (20 taxa), *Apocynaceae* (19 taxa) and *Euphorbiaceae* (18 taxa). Thirty-two families are represented by single species,

Table 1: Floristic analysis: orders, families, genera and species-wise

Rank	Monocotyledons	Dicotyledons	Total
Orders	8	25	33
Families	14	76	90
Genera	83	303	386
Species	147	479	626

15 families are represented by two species and 33 families are represented by 3–18 species. The habit analysis shows the dominance of herbs (281 species, 44.88%) followed by trees (101 species, 16.13%), grasses (86 species, 13.73%), climbers (89 species, 14.21%), shrubs (62 species, 9.90%), parasites (5 species, 0.79%) and palms (2 species, 0.31%). The enumerated species list is presented in (Figure 2, Table 2) along with their scientific name, common name, family, habit and their use value information.

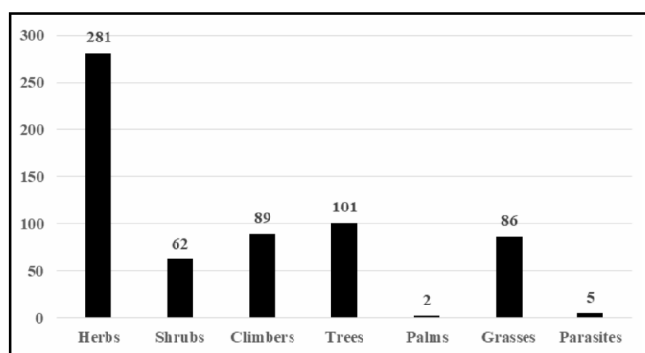


Figure 2. Column graph showing habit-wise analysis of plant taxa.

Forest Structure and composition

Majority of the area is occupied by a typical dry deciduous forest described by Champion and Seth (1968). Thick first level of forest canopy majorly occupies with combinations of *Anogeissus latifolia*-*Chloroxylon swietenia*, *Tectona grandis*-*Terminalia elliptica*, *Lagerstroemia parviflora*-*Terminalia elliptica*, *Albizia amara*-*Wrightia tinctoria*, *Diospyros melanoxylon*-*Soymida febrifuga*, *Madhuca longifolia*-*Terminalia elliptica*, *Buchanania cochinchinensis*-*Madhuca longifolia* trees and *Eucalyptus globulus* plantations. The next dominant trees are *Cassia fistula*, *Lannea coromandelica*, *Holarrhena pubescens*, *Miliusa tomentosa*, *Morinda coreia*, *Alangium salvifolium*, *Careya arborea*, *Dolichandrone falcata*, *Mitragyna parviflora*, *Mallotus philippenis*, *Grewia tillifolia*, *Kydia calycina*, *Wrightia arborea*, *Terminalia arjuna* and *Garuga pinnata*. The important tree species like *Boswellia serrata*, *Albizia odoratisima*, *Eriolaena hookeriana*, *Strychnos potatorum*, *Cochlospermum religiosa*, *Pterocarpus marsupium*, *Terminalia*

chebula, *Terminalia bellirica*, *Schleichera oleosa*, *Erythrina suberosa* are scattered and randomly distributed.

Use Value of the Taxa

The plant species recorded in the area are divided into 6 categories according to their use value, vi. economically important, fodder, medicinal, wild edible, wild ornamental and miscellaneous. Few plant taxa have more than one use value. Details of each plant taxa are listed in Table 2.

i. Medicinal Plant Diversity: The exploration reveals a total of 179 medicinal plant species in the study area. These plants are useful to treat many ailments of human beings and as well as of cattle. They are good source for local healers present nearby the hill. There is a need to declare this area as Medicinal Plants Conservation Area (MPCA) by Telangana State Government due to the presence of so many valuable medicinal plants. *Abelmoschus moschatus*, *Afrohybanthus enneaspermus*, *Andrographis paniculata*, *Anisomeles indica*, *Anisomeles malabarica*, *Biophytum sensitivum*, *Gymnema sylvestre*, *Gloriosa superba*, *Holostemma adakodien*, *Martynia annua*, *Pergularia daemia*, *Phyllanthus amarus*, *Phyllanthus emblica*, *Plumbago zeylanica*, *Terminalia bellerica*, *Terminalia chebula*, *Tinospora cordifolia*, *Vitex negundo*, *Xanthium strumarium*, etc. are some of the important medicinal plants in this area.

ii. Economically Important Plants: This category includes plant taxa that provide an economical source of income through their products, and there are 45 plant taxa in total, few examples are given here, i.e. Timber (*Ailanthus excelsa*, *Chloroxylon swietenia*, *Tectona grandis*, *Terminalia elliptica*, *Terminalia arjuna*), fiber (*Agave americana*, *Corchorus olitorius*, *Kydia calycina*), roofing material (*Borassus flabellifer*, *Phoenix sylvestris*, *Dodonaea viscosa*, *Typha domingensis*), cotton for pillows (*Bombax ceiba*, *Cochlospermum religiosum*), gums (*Acacia nilotica*, *Boswellia serrata*), oils (*Azadirachta indica*, *Ponagamia pinnata*), biofertilizers (*Crotalaria*

Table 2: Checklist of plants of Ananthagiri Hills with scientific name, local/common name, habit and the potential use values. Uses: F- Fodder, EI-Economically important, M-Medicinal, MI-Miscellaneous, WE-Wild edible, WO-Wild ornamental.

S.No	Scientific Name	Local/Common Name	Habit	Uses
	Piperales, Aristolochiaceae			
1	<i>Aristolochia indica</i> L.	Nallaeswari	Climber	M
	Magnoliales, Annonaceae			
2	<i>Annona squamosa</i> L.	Seetha phalam	Tree	WE, M
3	<i>Miliusa tomentosa</i> (Roxb.) Finet & Gagnep.	Peddachilukaduduga	Tree	WE
4	<i>Polyalthia cerasoides</i> (Roxb.) Bedd.	Chilka Dudduga	Tree	WE
	Laurales, Hernandiaceae			
5	<i>Gyrocarpus americanus</i> Jacq.	Poniki/Helicopter tree	Tree	EI
	Lauraceae			
6	<i>Cassytha filiformis</i> L.	Paachiteega/Love Vine	Climber	MI
	Alismatales, Araceae			
7	<i>Amorphophallus sylvaticus</i> (Roxb.) Kunth	Adavikanda	Herb	WE
8	<i>Theriophonum minutum</i> (Willd.) Baill.	Adavichampa	Herb	M
	Hydrocharitaceae			
9	<i>Ottelia alismoides</i> (L.) Pers.	Kaaluvagadda/Duck Lettuce	Herb	WO
	Dioscoreales, Dioscoreaceae			
10	<i>Dioscorea bulbifera</i> L.	Chennagadda/Air potato	Climber	WE
11	<i>Dioscorea hispida</i> Dennst.	Chanda gadda/Intoxicating Yam	Climber	WE, M
12	<i>Dioscorea oppositifolia</i> L.	Yellagadda/Cinnamon Vine	Climber	WE
13	<i>Dioscorea pentaphylla</i> L.	Magasirigadda/Five Leaf Yam	Climber	WE
14	<i>Tacca leontopetaloides</i> (L.) Kuntze	Adavidumpa/East Indian arrowroot	Herb	WE
	Liliales, Colchicaceae			
15	<i>Gloriosa superba</i> L.	Naabhi/Glory Lily	Climber	M, WO
16	<i>Iphigenia indica</i> (L.) A. Gray ex Kunth	Kaki katuka/Indian Grass Lily	Herb	M
17	<i>Iphigenia pallida</i> Baker	Pale Grass Lily	Herb	M
	Asparagales, Orchidaceae			
18	<i>Geodorum densiflorum</i> (Lam.) Schltr.	Donthuladumpa	Herb	M, WO
19	<i>Habenaria gibsonii</i> var. <i>foetida</i> Blatt. & McCann	Gibson's Habenaria	Herb	WO
20	<i>Habenaria marginata</i> Colebr.	Golden Yellow Habenaria	Herb	WO
21	<i>Habenaria multicaudata</i> Sedgw.		Herb	WO
22	<i>Habenaria plantaginea</i> Lindl.	Kusuma gadda/Plantain Habenaria	Herb	WO
23	<i>Habenaria roxburghii</i> Nicolson	Chukka dumpa/Roxburgh's Habenaria	Herb	M, WO
24	<i>Vanda tessellata</i> (Roxb.) Hook. ex G. Don	Badanika/Checkered Vanda	Herb	WO
	Amaryllidaceae			
25	<i>Crinum latifolium</i> L.	Chembugadda/Milk and Wine Lily	Herb	WO
26	<i>Pancratium triflorum</i> Roxb.	Adaviulligadda/Forest spider lily	Herb	WO
	Asparagaceae			
27	<i>Agave americana</i> L.	Kittanara/Century plant	Shrub	M, EI
28	<i>Asparagus racemosus</i> Willd.	Pilli Teegalu/Satawari	Climber	M
29	<i>Chlorophytum tuberosum</i> (Roxb.) Baker	Sarala pagada/Edible Chlorophytum	Herb	WE, M
30	<i>Chlorophytum laxum</i> R. Br.		Herb	MI
31	<i>Drimia indica</i> (Roxb.) Jessop	Gangiulligadda/Indian Squill	Herb	WE, M
32	<i>Ledebouria hyderabadensis</i> M.V. Ramana, Prasanna & Venu	Adaviulligadda	Herb	WO
33	<i>Ledebouria revoluta</i> (L.f.) Jessop	Adavitellagadda/South Indian Squill	Herb	WO
	Zingiberales, Zingiberaceae			
34	<i>Curcuma pseudomontana</i> J. Graham	Adavipasupu/Wild Turmeric	Herb	M, WO
	Arecales, Areaceae			
35	<i>Borassus flabellifer</i> L.	Tati chettu	Palm	EI, M, WE
36	<i>Phoenix sylvestris</i> (L.) Roxb.	Eethachettu/Wild Date Palm	Palm	EI, M, WE

Commelinales, Commelinaceae

37	<i>Commelina benghalensis</i> L.	Nirukassuvu/Bengal Dayflower	Climber	F, WE
38	<i>Commelina paludosa</i> Blume	Swamp Dayflower	Herb	MI
39	<i>Commelina subulata</i> Roth	Linear-Leaf Dayflower	Herb	MI
40	<i>Cyanotis tuberosa</i> (Roxb.) Schult. & Schult.f.	Rudra jadalu/Greater Cat Ears	Herb	M, WO
41	<i>Cyanotis axillaris</i> (L.) D. Don ex Sweet	Golla gundi/Creeping Cradle	Herb	WO
42	<i>Cyanotis cristata</i> (L.) D. Don	Nethakini/Crested Dew-Grass	Herb	WO
43	<i>Cyanotis fasciculata</i> (B. Heyne ex Roth) Schult. & Schult.f.	Fascicled-Flower Dew-Grass	Herb	WO
44	<i>Murdannia nudiflora</i> (L.) Brenan	Naked-Stem Dew flower	Herb	MI
45	<i>Murdannia semiteres</i> (Dalzell) Santapau	Panicled Dew flower	Herb	MI

Poales, Typhaceae

46	<i>Typha domingensis</i> Pers.	Jammu gaddi/Elephant Grass	Herb	EI
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Eriocaulaceae

47	<i>Eriocaulon quinquangulare</i> L.	Gaddi puvvu/Five-Angled Pipewort	Herb	WO
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Cyperaceae

48	<i>Cyperus albens</i> (Steud.) Larridon & Govaerts	Thunga	Herb	MI
49	<i>Cyperus alopecuroides</i> Rottb.		Herb	MI
50	<i>Cyperus arenarius</i> Retz.		Herb	MI
51	<i>Cyperus articulatus</i> L.		Herb	MI
52	<i>Cyperus castaneus</i> Willd.		Herb	MI
53	<i>Cyperus compressus</i> L.		Herb	MI
54	<i>Cyperus cyperinus</i> (Retz.) Valck. Sur.	Thunga	Herb	MI
55	<i>Cyperus difformis</i> L.	Thunga	Herb	MI
56	<i>Cyperus iria</i> L.	Thunga/Rice flat sedge	Herb	MI
57	<i>Cyperus niveus</i> Retz.	Thunga/Snow White Sedge	Herb	MI
58	<i>Cyperus paniceus</i> (Rottb.) Boeckeler		Herb	MI
59	<i>Cyperus rotundus</i> L.	Thungamusti/Common Nut Sedge	Herb	WE, M
60	<i>Eleocharis geniculata</i> (L.) Roem. & Schult.		Herb	MI
61	<i>Fimbristylis cymosa</i> R. Br.		Herb	MI
62	<i>Fimbristylis ovata</i> (Burm.f.) J. Kern	One-Spike Fimbry	Herb	MI
63	<i>Fimbristylis tetragona</i> R. Br.		Herb	MI
64	<i>Fuirena ciliaris</i> (L.) Roxb.	Umbrella grass	Herb	MI
65	<i>Fuirena umbellata</i> Rottb.	Tropical Umbrella sedge	Herb	MI
66	<i>Schoenoplectiella articulata</i> (L.) Lye	Jointed Sedge	Herb	MI
67	<i>Scleria biflora</i> Roxb.	Thunga	Herb	MI

Poaceae

68	<i>Alloteropsis cimicina</i> (L.) Stapf	Peddapoolagaddi/Summer Grass	Grass	F
69	<i>Andropogon pumilus</i> Roxb.	Beard Grass	Grass	F
70	<i>Apluda mutica</i> L.	Adavikorre gaddi/Mauritian Grass	Grass	F
71	<i>Aristida adscensionis</i> L.	Chipurugaddi	Grass	F, EI
72	<i>Aristida funiculata</i> Trin. & Rupr.	Common Needle Grass	Grass	F
73	<i>Aristida hystrix</i> L.f.	Needle Grass	Grass	F
74	<i>Aristida setacea</i> Retz.	Chipurugaddi, Porakagaddi	Grass	F, EI
75	<i>Arthraxon hispidus</i> (Thunb.) Makino	Hairy Jointgrass	Grass	F
76	<i>Arthraxon lanceolatus</i> (Roxb.) Hochst.	Clasping-Leaf Carpetgrass	Grass	F
77	<i>Arthraxon lancifolius</i> (Trin.) Hochst.	Lance leaf Carpetgrass	Grass	F
78	<i>Bothriochloa kuntzeana</i> (Hack.) Henrard	Forest Blue Grass	Grass	F
79	<i>Capillipedium huegelii</i> (Hack.) A. Camus	Stinking Scented-Top	Grass	F
80	<i>Cenchrus hohenackeri</i> (Hochst. ex Steud.)	Fountain Grass	Grass	F, EI
81	<i>Chloris barbata</i> Sw.	Kanupu gaddi	Grass	F
82	<i>Chloris virgata</i> Sw.	Feather fingergrass	Grass	F
83	<i>Chrysopogon fulvus</i> (Spreng.) Chiov.	Mountain Beardgrass	Grass	F
84	<i>Chrysopogon polyphyllus</i> (Hack.) Blatt. & McCann		Grass	F

85	<i>Chrysopogon serrulatus</i> Trin.		Grass	F
86	<i>Coix lacryma-jobi</i> L.	Pusa Golibi/ Tear Grass	Grass	F, EI
87	<i>Cymbopogon coloratus</i> (Hook.f.) Stapf	Bodha gaddi/Boda Grass	Grass	F, EI
88	<i>Cymbopogon flexuosus</i> (Nees ex Steud.) W. Watson	Nimma gaddi/East Indian Lemon Grass	Grass	F, EI
89	<i>Cynodon barberi</i> Rang. & Tadul.		Grass	F
90	<i>Cynodon dactylon</i> (L.) Pers.	Garika Gaddi/Indian Doob Grass	Grass	F
91	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Nelaraagi/Crowfoot Grass	Grass	F
92	<i>Dactyloctenium aristatum</i> Link		Grass	F
93	<i>Dichanthium annulatum</i> (Forssk.) Stapf	Yeti gaddi/Blue Stem Grass	Grass	F
94	<i>Dichanthium aristatum</i> (Poir.) C.E. Hubb.	Yellow Blue Stem	Grass	F
95	<i>Dichanthium caricosum</i> (L.) A. Camus	Indian Blue Stem Grass	Grass	F
96	<i>Dichanthium foveolatum</i> (Delile) Roberty	Naamala gaddi/Marvel Grass	Grass	F
97	<i>Digitaria abludens</i> (Roem. & Schult.)		Grass	F
98	<i>Digitaria bicornis</i> (Lam.) Roem. &Schult.	Asian Crabgrass	Grass	F
99	<i>Digitaria ciliaris</i> (Retz.) Koeler	Wild Crabgrass	Grass	F
100	<i>Digitaria longiflora</i> (Retz.) Pers.	Indian Crabgrass	Grass	F
101	<i>Dimeria orissae</i> Bor		Grass	MI
102	<i>Dimeria ornithopoda</i> Trin.		Grass	MI
103	<i>Dinebra retroflexa</i> (Vahl) Panz.	Viper Grass	Grass	MI
104	<i>Echinochloa colonum</i> (L.) Link	Udalu/Small Barnyard Grass	Grass	F
105	<i>Eleusine indica</i> (L.) Gaertn.	Thipaaraagi	Grass	F
106	<i>Eragrostiella bifaria</i> (Vahl) Bor	Nooli gaddi/Two-Row Love grass	Grass	F
107	<i>Eragrostiella brachyphylla</i> (Stapf) Bor	Shortleaf Lovegrass	Grass	F
108	<i>Eragrostis aspera</i> (Jacq.) Nees	Rough Lovegrass	Grass	MI
109	<i>Eragrostis atrovirens</i> (Desf.) Trin. ex Steud.	Thalia Lovegrass	Grass	MI
110	<i>Eragrostis nutans</i> (Retz.) Nees ex Steud.		Grass	MI
111	<i>Eragrostis riparia</i> (Willd.) Nees		Grass	MI
112	<i>Eragrostis unioloides</i> (Retz.) Nees ex Steud.	Chinese Lovegrass	Grass	F
113	<i>Eragrostis viscosa</i> (Retz.) Trin.	Banka gaddi/Sticky Lovegrass	Grass	MI
114	<i>Hackelochloa granularis</i> (L.) Kuntze	Pitscale Grass	Grass	MI
115	<i>Heteropogon fischerianus</i> Bor		Grass	MI
116	<i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.	Nallaginni gaddi/Black Spear Grass	Grass	F
117	<i>Imperata cylindrica</i> (L.) P. Beauv.	Darbha/Cotton wool	Grass	F, EI
118	<i>Ischaemum afrum</i> (J.F. Gmel.) Dandy		Grass	MI
119	<i>Iseilema prostratum</i> (L.) Andersson	Machuri Grass	Grass	F
120	<i>Leptochloa panicea</i> (Retz.) Ohwi	Thread Sprangletop	Grass	F
121	<i>Lophopogon tridentatus</i> (Roxb.) Hack.	Three-Teeth Beardgrass	Grass	MI
122	<i>Melanocenchris jacquemontii</i> Jaub. & Spach	Desert Black-Millet	Grass	MI
123	<i>Microchloa indica</i> (L.f.) P. Beauv.		Grass	MI
124	<i>Moorochloa eruciformis</i> (Sm.) Veldkamp		Grass	F
125	<i>Ophiuros exaltatus</i> (L.) Kuntze		Grass	MI
126	<i>Oplismenus burmanni</i> (Retz.) P. Beauv.	Kodijuttu gaddi	Grass	MI
127	<i>Oplismenus compositus</i> (L.) P. Beauv.	Running mountaingrass	Grass	MI
128	<i>Oropetium roxburghianum</i> (Schult.) S.M. Phillips		Grass	MI
129	<i>Oropetium thomaeum</i> (L.f.) Trin.	St Thomas Mount Rockgrass	Grass	MI
130	<i>Oryza rufipogon</i> Griff.	Dusagaddi//Red rice, Wild rice	Grass	F, WE
131	<i>Panicum curviflorum</i> Hornem.		Grass	F
132	<i>Panicum maximum</i> Jacq.	Guinea grass	Grass	F
133	<i>Paspalum scrobiculatum</i> L.	Arikelu/Kodo millet	Grass	F, WE
134	<i>Perotis indica</i> (L.) Kuntze	Nakkathoka gaddi	Grass	F
135	<i>Polytoca gigantea</i> (J. Koenig) Mabb.		Grass	F
136	<i>Pseudopogonatherum trispicatum</i> (Schult.) Ohwi	Three-Spike Silvergrass	Grass	MI
137	<i>Rottboellia cochinchinensis</i> (Lour.) Clayton	Itchgrass	Grass	MI

138	<i>Saccharum spontaneum</i> L.	Adavicheruku /Wild sugarcane	Grass	F
139	<i>Sacciolepis indica</i> (L.) Chase	Glenwoodgrass	Grass	MI
140	<i>Sehima nervosa</i> (Rottler) Stapf	Yetugaddi/Rattail grass	Grass	MI
141	<i>Sehimasulcata</i> (Hack.) A. Camus	Rattail grass	Grass	MI
142	<i>Setaria flavida</i> (Retz.) Veldkamp	Tellapusa gaddi	Grass	F
143	<i>Setaria verticillata</i> (L.) P. Beauv.	Bristly foxtail	Grass	MI
144	<i>Setaria pumila</i> (Poir.) Roem. &Schult.	Yellow foxtail	Grass	MI
145	<i>Sorghum nitidum</i> (Vahl) Pers.		Grass	F
146	<i>Sporobolus coromandelianus</i> (Retz.) Kunth	Small Dropseed	Grass	F
147	<i>Thelepogon elegans</i> Roth	Elegant Rat-Tail Grass	Grass	MI
148	<i>Tragus mongolorum</i> Ohwi	Indian Bur Grass	Grass	MI
149	<i>Tripogon anantaswamianus</i> Sreek., V.J. Nair & N.C. Nair		Grass	MI
150	<i>Tripogon bromoides</i> Roem. & Schult.		Grass	MI
151	<i>Tripogon purpurascens</i> Duthie		Grass	MI
152	<i>Urochloa ramosa</i> (L.) T.Q. Nguyen	Eduru gaddi/Browntop Millet	Grass	F
153	<i>Urochloa reptans</i> (L.) Stapf		Grass	F
Ranunculales, Papaveraceae				
154	<i>Argemone mexicana</i> L.	Picchi Kusuma	Herb	M
Menispermaceae				
155	<i>Cissampelos pareira</i> L.	Chiru boddi/Velvetleaf	Climber	WE, M, EI
156	<i>Cocculus hirsutus</i> (L.) W. Theob.	Dusarateega/Broom Creeper	Climber	M
157	<i>Tinospora cordifolia</i> (Willd.) Hook.f. & Thomson	Thippateega/Guduchi	Climber	M
Ranunculaceae				
158	<i>Clematis zeylanica</i> (L.) Poir.	Korivikataaku/Ceylon Naravelia	Climber	WO
Vitales, Vitaceae				
159	<i>Ampelocissus latifolia</i> (Roxb.) Planch.	Dobbateega/Wild Grape	Climber	MI
160	<i>Ampelocissus tomentosa</i> (Roth) Planch.		Climber	WO
161	<i>Cayratia trifolia</i> (L.) Domin	Kanuputeega/ Bush Grape	Climber	MI
162	<i>Cayratia pedata</i> (Lam.) Gagnep.	Mandulamaari/Birdfoot Grape-Vine	Climber	MI
163	<i>Cissus pallida</i> (Wight & Arn.) Steud.		Climber	MI
164	<i>Cissus quadrangularis</i> L.		Climber	M
165	<i>Cissus vitiginea</i> L.	Adavidraksha/Wild Grape	Climber	MI
166	<i>Leea asiatica</i> (L.) Ridsdale	Asiatic Leea	Shrub	MI
Zygophyllales, Zygophyllaceae				
167	<i>Tribulus terrestris</i> L.	Palleru/Asiatic Leea	Herb	M
Fabales, Fabaceae				
168	<i>Abrusprecatorius</i> L.	Gurivinda/Asiatic Leea	Climber	M
169	<i>Acacia nilotica</i> (L.) Delile	Nalla Thumma/Gum Arabic	Tree	M, EI
170	<i>Aeschynomene americana</i> L.	Seema Jeelugu	Herb	F
171	<i>Aeschynomene aspera</i> L.	Sola Pith Plant	Shrub	F
172	<i>Albizia amara</i> (Roxb.) Boivin	Narlinga/Oil cake tree	Tree	MI
173	<i>Albizia odoratissima</i> (L.f.) Benth.	Chinduga/Ceylon rosewood	Tree	MI
174	<i>Albizia saman</i> (Jacq.) Merr.	Nidraganneru/Rain tree	Tree	MI
175	<i>Albizia lebbeck</i> (L.) Benth.	Dirisena/Woman's tongue	Tree	MI
176	<i>Albizia procera</i> (Roxb.) Benth.	Tellachinduga/White siris	Tree	MI
177	<i>Alysicarpus bupleurifolius</i> (L.) DC.	Sweet Alyce Clover	Herb	F
178	<i>Alysicarpus hamosus</i> Edgew.	Round-Leaf Alyce Clover	Herb	F
179	<i>Alysicarpus heyneanus</i> Wight & Arn.	Heyne's Alyce Clover	Herb	F
180	<i>Alysicarpus longifolius</i> (Rottler ex Spreng.) Wight & Arn.	Longleaf Alyce Clover	Shrub	F
181	<i>Alysicarpus mahabubnagarensis</i> Ragh. Rao & al.		Herb	F
182	<i>Alysicarpus monilifer</i> (L.) DC.	Necklace-Pod Alyce Clover	Herb	F
183	<i>Alysicarpus pubescens</i> Y.W. Law	Bicolor Alyce Clover	Herb	F

184	<i>Alysicarpus tetragonolobus</i> Edgew.	Red Alyce Clover	Herb	F
185	<i>Alysicarpus vaginalis</i> (L.) DC.	Alyce Clover	Herb	F
186	<i>Butea monosperma</i> (Lam.) Kuntze	Moduga/Flame of the forest	Tree	M, WO
187	<i>Butea superba</i> Roxb. ex Willd.	Teegamoduga	Climber	M, WO
188	<i>Caesalpinia bonduc</i> (L.) Roxb.	Gachchakaya/Fever nut	Shrub	M, MI
189	<i>Caesalpinia coriaria</i> (Jacq.) Willd.	Dividivithumma/American sumac	Tree	MI
190	<i>Caesalpinia decapetala</i> (Roth) Alston	Gaddakorinda/ Mysore Thorn	Shrub	M, MI
191	<i>Cajanus scarabaeoides</i> (L.) Thouars	Adaviulava/Showy Pigeonpea	Climber	F
192	<i>Canavalia virosa</i> (Roxb.) Wight & Arn.		Climber	MI
193	<i>Cassia fistula</i> L.	Relachettu/Indian Laburnum	Tree	M, WO
194	<i>Chamaecrista absus</i> (L.) H.S. Irwin & Barneby	Chanupala-vittulu	Herb	M
195	<i>Chamaecrista mimosoides</i> (L.) Greene	Nelaponna/Feather-leaved Cassia	Herb	F
196	<i>Chamaecrista pumila</i> (Lam.) V. Singh	Nalla jilugu/Dwarf Cassia	Herb	F
197	<i>Clitoria ternatea</i> L.	Shankapushpi/Butterfly pea	Climber	M, WO
198	<i>Crotalaria calycina</i> Schrank	Hairy Rattlepod	Herb	WO
199	<i>Crotalaria hebecarpa</i> (DC.) Rudd	Fuzzy Fruited Rattlepod	Herb	F, MI
200	<i>Crotalaria hirsuta</i> Willd.	Hairy Rattlepod	Herb	MI
201	<i>Crotalaria juncea</i> L.	Janumu/Sun Hemp	Shrub	EI
202	<i>Crotalaria medicaginea</i> Lam.	Konda Janumu Medick Rattlepod	Herb	MI
203	<i>Crotalaria orixensis</i> Rottler ex Willd.	Orixa Rattlepod	Herb	MI
204	<i>Crotalaria pallida</i> Aiton	Smooth Rattlepod	Shrub	MI, WO
205	<i>Crotalaria prostrata</i> Rottler ex Willd.	Prostrate Rattlepod	Herb	MI
206	<i>Crotalaria pusilla</i> Roxb. ex Wight & Arn.	Small Rattlepod	Herb	MI
207	<i>Crotalaria verrucosa</i> L.	Giligitcha/Blue Rattleweed	Herb	M, WO
208	<i>Cullen corylifolium</i> (L.) Medik.	Bavanchalu/Scurfy Pea	Shrub	M
209	<i>Dalbergia lanceolaria</i> subsp. <i>paniculata</i> (Roxb.) Thoth.	Patcahri, Soppera	Tree	EI
210	<i>Dalbergia latifolia</i> Roxb.	Jittegi/Indian Rosewood	Tree	EI
211	<i>Dalbergia sissoo</i> Roxb. ex DC.	Errasisso/Shisham	Tree	MI
212	<i>Delonix regia</i> (Bojer ex Hook.) Raf.	Yerraturai/Gulmohar	Tree	WO
213	<i>Derris scandens</i> (Roxb.) Benth.	Nallateega/Jewel Vine	Climber	M, WO
214	<i>Desmodium triflorum</i> (L.) DC.	Muntamandu	Herb	MI
215	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Veluthuruchettu/Chinese Lantern	Tree	M, WO
216	<i>Dolichos trilobus</i> L.	Sickle Bean	Climber	F
217	<i>Erythrina suberosa</i> Roxb.	MulluModuga/Corky Coral Tree	Tree	WO
218	<i>Galactia tenuiflora</i> (Willd.) Wight & Arn.	Slender Flowered Milkpea	Climber	F
219	<i>Gliricidia sepium</i> (Jacq.) Walp.	Madri/Mexican Lilac	Tree	WO
220	<i>Indigofera aspalathoides</i> Vahl ex DC.		Herb	MI
221	<i>Indigofera astragalina</i> DC.	Silky Indigo	Herb	MI
222	<i>Indigofera cassioides</i> Rottler ex DC.	Karkandi/Cassia Indigo	Shrub	WO
223	<i>Indigofera cordifolia</i> B. Heyne ex Roth	Heart-Leaf Indigo	Herb	MI
224	<i>Indigofera glandulosa</i> J.C. Wendl.	Baragadamu/Barbada Indigo	Herb	MI
225	<i>Indigofera linifolia</i> (L.f.) Retz.	Narrow leaf Indigo	Herb	MI
226	<i>Indigofera linnaei</i> Ali	Yerrapalleru/Birdsville Indigo	Herb	MI
227	<i>Indigofera nummulariifolia</i> (L.) Livera ex Alston	Coinwort Indigo	Herb	MI
228	<i>Indigofera trifoliata</i> L.	Three-Leaf Indigo	Herb	MI
229	<i>Indigofera trita</i> L.f.	Jidivempali/Asian Indigo	Herb	MI
230	<i>Indigofera wightii</i> Graham ex Wight & Arn.	Wight's Indigo	Herb	MI
231	<i>Leucaena leucocephala</i> (Lam.) de Wit	Subabul/White Babools	Tree	EI
232	<i>Mimosa hamata</i> Willd.	Undrakampa/Hooked Mimosa	Shrub	MI
233	<i>Mimosa prainiana</i> Gamble	Sandra	Shrub	MI
234	<i>Mucuna pruriens</i> (L.) DC.	Duradagondikaaya/Velvet Bean	Climber	M, WO
235	<i>Paracalyx scariosus</i> (Roxb.) Ali	Karuchikkudu/ Indian Husk-Pea	Climber	WO
236	<i>Peltophorum pterocarpum</i> (DC.) Backer ex K. Heyne	Kondachinta/Copperpod	Tree	WO
237	<i>Phaneravahlia</i> (Wight & Arn.) Benth.	Addaku/Camel's foot climber	Climber	M, EI

238	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Seema chintha/Sweet Tamarind	Tree	WE
239	<i>Desmodium gangeticum</i> (L.) DC.	Sal Leaved Desmodium	Herb	MI
240	<i>Pongamia pinnata</i> (L.) Pierre	Kanuga/Indian Beech Tree	Tree	M, EI
241	<i>Prosopis juliflora</i> (Sw.) DC.	Sarkar thumma	Shrub	F, MI
242	<i>Pseudarthria viscida</i> (L.) Wight & Arn.	Nayakuponna/Sticky Desmodium	Herb	MI
243	<i>Pterocarpus marsupium</i> Roxb.	Yegisa/Indian Kino Tree	Tree	EI
244	<i>Pterolobium hexapetalum</i> (Roth) Santapau & Wagh		Shrub	WO, MI
245	<i>Rhynchosia capitata</i> (B. Heyne ex Roth) DC.	Clustered-Flower Snoutbean	Herb	F
246	<i>Rhynchosia minima</i> (L.) DC.	Gaddi-chikkudu/Burn-Mouth Vine	Climber	F
247	<i>Rhynchosia rothii</i> Benth. ex Aitch.	Silky Snoutbean	Climber	MI
248	<i>Rhynchosia suaveolens</i> (L.f.) DC.	Adavikandi	Climber	MI
249	<i>Senegalia chundra</i> (Roxb. ex Rottler) Maslin	Sandra/Red Cutch Tree	Tree	MI
250	<i>Senna auriculata</i> (L.) Roxb.	Tangedu/Tanner's Cassia	Shrub	M, WO
251	<i>Senna occidentalis</i> (L.) Link	Kasinda/Coffee Senna	Shrub	M
252	<i>Senna siamea</i> (Lam.) H.S. Irwin & Barneby	Seema tangedu/Siamese Senna	Tree	MI
253	<i>Senegaliaintsia</i> (L.) Maslin, Seigler & Ebinger	Sopha Senna	Climber	MI
254	<i>Senna tora</i> (L.) Roxb.	Thagarisa/Stinking Cassia	Herb	M, MI
255	<i>Senna sulfurea</i> (Collad.) H.S. Irwin & Barneby	Mettatangedu/Sulphur Cassia	Shrub	WO
256	<i>Senna uniflora</i> (Mill.) H.S. Irwin & Barneby	Oneleaf Senna	Herb	MI
257	<i>Smithia conferta</i> Sm.	Sensitive Smithia	Herb	MI
258	<i>Stylosanthes fruticosa</i> (Retz.) Alston	Saalikampa/Wild lucerne	Herb	F
259	<i>Tamarindus indica</i> L.	Chinta/Tamarind	Tree	M, EI
260	<i>Tephrosia pumila</i> (Lam.) Pers.	Vempali/Small Tephrosia	Herb	MI
261	<i>Tephrosia purpurea</i> (L.) Pers.	Vempali/Common Tephrosia	Herb	M
262	<i>Tephrosia strigosa</i> (Dalzell) Santapau & Maheshw.	Bristly Tephrosia	Herb	MI
263	<i>Tephrosia villosa</i> (L.) Pers.	Nooguvempali/Hairy Tephrosia	Herb	MI
264	<i>Teramnus labialis</i> (L.f.) Spreng.	Karuminumullu/Rabbit vine	Climber	F
265	<i>Uraria lagopodioides</i> (L.) DC.	Hare Foot Uraria	Herb	WO
266	<i>Vachellia farnesiana</i> (L.) Wight & Arn.	Murikutumma/Needle bush	Shrub	MI
267	<i>Vigna aconitifolia</i> (Jacq.) Maréchal	Kunkumapesalu/Moth Bean	Climber	F
268	<i>Vigna trilobata</i> (L.) Verdc.	Pilli pesalu/Wild Gram	Herb	F
269	<i>Zornia gibbosa</i> Span.	Nelabariki/Grasslike Zornia	Herb	MI
Polygalaceae				
270	<i>Polygala arvensis</i> Willd.	Chittijanumu/Field Milkwort	Herb	MI
271	<i>Polygala erioptera</i> DC.	Woolly-Winged Milkwort	Herb	MI
272	<i>Polygala javana</i> DC.	Java Milkwort	Herb	MI
Rosales, Rhamnaceae				
273	<i>Ventilago denticulata</i> Willd.	SuruguduTeega/Red Creeper	Climber	M
274	<i>Ziziphus glabrata</i> B. Heyne ex Roth	Gottichettu Wild Jujube	Tree	M
275	<i>Ziziphus jujuba</i> Mill.	Regu/Red date	Tree	WE, M
276	<i>Ziziphus oenopolia</i> (L.) Mill.	Pariki/Jackal jujube	Shrub	WE, M
277	<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Gotiki/ Kath Ber	Tree	M
Ulmaceae				
278	<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Nemalinara/Indian elm	Tree	WE, M
Moraceae				
279	<i>Ficus amplissima</i> Sm.	Peddajuvvi/Indian Bat Tree	Tree	MI
280	<i>Ficus racemosa</i> L.	Medi/Cluster fig	Tree	WE, M
281	<i>Ficus religiosa</i> L.	Raavi/Peepal	Tree	M
282	<i>Ficus virens</i> Aiton	Banda juvvi/White Fig	Tree	MI
283	<i>Ficus benghalensis</i> L.	Marri/Banyan	Tree	WE, M
284	<i>Streblus asper</i> Lour.	Barrenka//Toothbrush tree	Tree	M
Urticaceae				
285	<i>Pouzolzia zeylanica</i> (L.) Benn.	Graceful Pouzol's Bush	Herb	MI

Cucurbitales, Cucurbitaceae				
286	<i>Ctenolepisgarcinii</i> (Burm.f.) C.B. Clarke	Garcen's Bur Cucumber	Climber	MI
287	<i>Coccinia grandis</i> (L.) Voigt	Kaki donda/Ivy Gourd	Climber	MI
288	<i>Cucumis maderaspatanus</i> L.	Madras pea pumpkin	Climber	M
289	<i>Diplocyclos palmatus</i> (L.) C. Jeffrey	Linga donda/Lollipop Climber	Climber	M
290	<i>Solena amplexicaulis</i> (Lam.) Gandhi	Adavidonda/Creeping Cucumber	Climber	MI
291	<i>Trichosanthes tricuspidata</i> Lour.	Avvapandu/Indrayan	Climber	M
Celastrales, Celastraceae				
292	<i>Celastrus paniculatus</i> Willd.	Maneruteega/Black Oil Plant	Climber	M
293	<i>Elaeodendron glaucum</i> (Rottb.) Pers.	Bhutankus/Ceylon Tea	Tree	MI
294	<i>Gymnosporia emarginata</i> (Willd.) Thwaites	Danti/Red Spike Thorn	Shrub	M
Oxalidales, Oxalidaceae				
295	<i>Biophytum sensitivum</i> (L.) DC.	Tropical Little Tree Plant	Herb	M
296	<i>Oxalis corniculata</i> L.	Pulichinta/Creeping wood sorrel	Herb	WE
Malpighiales, Erythroxylaceae				
297	<i>Erythroxylum monogynum</i> Roxb.	Devadari/Red Cedar	Tree	WE, M
Malpighiaceae				
298	<i>Aspidopterys cordata</i> (B. Heyne ex Wall.) A. Juss.	Bokadvel	Climber	MI
Violaceae				
299	<i>Afrohybanthu senneaspermus</i> (L.) Flicker	Ratna Purusha/Spade Flower	Herb	M
Passifloraceae				
300	<i>Passiflora foetida</i> L.	Tellajumiki/Love-in-a-mist	Climber	WE, M
Salicaceae				
301	<i>Flacourtia indica</i> (Burm.f.) Merr.	Kana regu/Governor's Plum	Tree	WE
Euphorbiaceae				
302	<i>Acalypha alnifolia</i> Klein ex Willd.	Chinnaaku/Birch-Leaved Cat Tail	Herb	MI
303	<i>Acalypha indica</i> L.	Pippintaku/Indian Copperleaf	Herb	M
304	<i>Acalypha malabarica</i> Müll. Arg.	Malabar Copperleaf	Herb	MI
305	<i>Chrozophora rottleri</i> (Geiseler) Spreng.	Linga mirapa	Herb	M
306	<i>Croton bonplandianus</i> Baill.	Galivanamokka/Ban Tulsi	Herb	M
307	<i>Euphorbia heterophylla</i> L.	Wild Poinsettia	Herb	MI
308	<i>Euphorbia hirta</i> L.	Pachabotlu/Asthma Weed	Herb	M
309	<i>Euphorbia hyssopifolia</i> L.		Herb	MI
310	<i>Euphorbia indica</i> Lam.		Herb	MI
311	<i>Euphorbia prostrata</i> Aiton	Prostrate Sandmat	Herb	MI
312	<i>Euphorbia rosea</i> Retz.	Rosy Spurge	Herb	MI, WO
313	<i>Euphorbia serpens</i> Kunth	Roundleaf Spurge	Herb	MI
314	<i>Euphorbia thymifolia</i> L.	Gulf Sandmat	Herb	MI
315	<i>Givotia moluccana</i> (L.) Sreem.	Kondapoliki/White Catamaran Tree	Tree	EI
316	<i>Jatropha gossypifolia</i> L.	Bellyache Bush	Shrub	M, WO
317	<i>Mallotus philippensis</i> (Lam.) Müll. Arg.	Kunkumachettu/Monkey face tree	Tree	EI
318	<i>Microstachys chamaelea</i> (L.) Müll. Arg.	Creeping Sebastiana	Herb	MI
319	<i>Tragia plukenetii</i> Radcl.-Sm.	Duradagondi/Cannabis Leaf Nettle	Climber	MI
Phyllanthaceae				
320	<i>Bridelia montana</i> (Roxb.) Willd.	Pantangi, Panchoktam	Shrub	MI
321	<i>Bridelia retusa</i> (L.) A. Juss.	Kora Maddi, Duda Maddi	Tree	WE
322	<i>Phyllanthus amarus</i> Schumach. & Thonn.	Nelausiri	Herb	M
323	<i>Phyllanthus maderaspatensis</i> L.		Herb	MI
324	<i>Phyllanthus reticulatus</i> Poir.	Puliseru, Nalla pulicheru	Shrub	WE, M
325	<i>Phyllanthus rheedei</i> Wight		Herb	MI
326	<i>Phyllanthus urinaria</i> L.		Herb	MI
327	<i>Phyllanthus virgatus</i> G. Forst.		Herb	MI
328	<i>Phyllanthus emblica</i> L.	Usiri	Tree	WE, M

Myrtales, Combretaceae

329	<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Chirumanu/Axle Wood Tree	Tree	EI
330	<i>Combretum latifolium</i> Blume	Yada teega/Climbing Bushwillow	Climber	M
331	<i>Getonia floribunda</i> Roxb.	Bonthateega/Paper Flower Climber	Climber	WO
332	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Tellamaddi/Arjun tree	Tree	M
333	<i>Terminalia chebula</i> Retz.	Karakaya/Chebolic Myrobalan	Tree	M
334	<i>Terminalia elliptica</i> Willd.	Nalla Maddi/Indian Laurel	Tree	EI
335	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Tanikaya/Belliric Myrobalan	Tree	M

Lythraceae

336	<i>Ammannia baccifera</i> L.	Agni vednapaku	Herb	M
337	<i>Ammannia multiflora</i> Roxb.	Many Flowered Ammannia	Herb	MI
338	<i>Lagerstroemia parviflora</i> Roxb.	Chennangi	Tree	WO
339	<i>Rotala densiflora</i> (Roth) Koehne	Dense-Flowered Rotala	Herb	WO
340	<i>Rotala fimbriata</i> Wight	Fringed Flower Rotala	Herb	WO
341	<i>Woodfordia fruticosa</i> (L.) Kurz	Jaaji/Fire Flame Bush	Shrub	M, WO

Onagraceae

342	<i>Ludwigia perennis</i> L.	Lavangakaaya/Paddy clove	Herb	WO
343	<i>Ludwigia octovalvis</i> (Jacq.) P.H. Raven	Nirubacchala/Willow Primrose	Herb	WO

Myrtaceae

344	<i>Eucalyptus globulus</i> Labill.	Nilagiri/Tasmanian Blue Gum	Tree	EI
345	<i>Syzygiumcumini</i> (L.) Skeels	Neredu/Jamun	Tree	WE, M

Sapindales, Burseraceae

346	<i>Boswellia serrata</i> Roxb.	Andugu/Indian frankincense	Tree	EI
347	<i>Garuga pinnata</i> Roxb.	Konda vepa/Garuga	Tree	MI

Anacardiaceae

348	<i>Buchanania cochinchinensis</i> (Lour.) M.R. Almeida	Morli/Chironji Tree	Tree	WE, M
349	<i>Lannea coromandelica</i> (Houtt.) Merr.	Gumpena/Indian Ash Tree	Tree	WE
350	<i>Mangifera indica</i> L.	Mamidi/Mango	Tree	WE, M
351	<i>Semecarpus anacardium</i> L.f.	Nalla Jeedi/Marking nut	Tree	WE, M

Sapindaceae

352	<i>Cardiospermum corindum</i> L.	Chinnabuddabusara	Climber	WO
353	<i>Cardiospermum halicacabum</i> L.	Buddakakarateega/Ballon vine	Climber	M
354	<i>Dodonaeaviscosa</i> Jacq.	Banjaruporaka/Hop Bush	Shrub	EI
355	<i>Sapindus emarginatus</i> Vahl	Kunkudu/Soap nut	Tree	M, EI
356	<i>Schleichera oleosa</i> (Lour.) Oken	Pusuguchettu/Ceylon oak	Tree	WE

Rutaceae

357	<i>Aegle marmelos</i> (L.) Corrêa	Maredu/Bael	Tree	WE, M
358	<i>Chloroxylon swietenia</i> DC.	Billudu/East Indian Satinwood	Tree	M, EI
359	<i>Limonia acidissima</i> L.	Velaga/Wood Apple	Tree	WE, M
360	<i>Naringi crenulata</i> (Roxb.) Nicolson	Torri velaga	Tree	M

Simaroubaceae

361	<i>Ailanthus excelsa</i> Roxb.	Pedda Manu	Tree	EI
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Meliaceae

362	<i>Azadirachta indica</i> A. Juss.	Vepa/Neem	Tree	EI, M, WE
363	<i>Soyimida febrifuga</i> (Roxb.) A. Juss.	Somi, Somidi/Indian Redwood	Tree	M, F

Malvales, Malvaceae

364	<i>Abelmoschus ficulneus</i> (L.) Wight & Arn.	Nelabenda/White Wild Musk Mallow	Climber	MI
365	<i>Abelmoschus moschatus</i> Medik.	Kasturi benda/Musk Mallow	Shrub	M
366	<i>Abutilon indicum</i> (L.) Sweet	Tuturabenda/Indian Mallow	Shrub	M
367	<i>Abutilon pannosum</i> (G. Forst.) Schltldl.	Ragged Mallow	Herb	MI
368	<i>Bombax ceiba</i> L.	Erraburugu/Red Silk Cotton	Tree	M, WO
369	<i>Corchorus aestuans</i> L.	Patta/East Indian Mallow, Jute	Herb	EI
370	<i>Corchorus olitorius</i> L.	Parinta/Nalta Jute	Shrub	EI

371	<i>Corchorus trilocularis</i> L.	Bankitutturu/Wild Jute	Herb	EI
372	<i>Eriolaena hookeriana</i> Wight & Arn.	Nara-botaka	Tree	EI
373	<i>Grewia abutilifolia</i> Vent. ex Juss.	Peddatada	Shrub	M
374	<i>Grewia flavescens</i> Juss.	Jibilika/Donkey Berry	Shrub	WE, M
375	<i>Grewia hirsuta</i> Vahl	Chitti Jana/Kukurbicha	Shrub	WE, M
376	<i>Grewia tiliifolia</i> Vahl	Tada, Tirujana/Dhaman	Tree	WE, M
377	<i>Helicteres isora</i> L.	Nuli Tada/East-Indian screw tree	Shrub	WO
378	<i>Hibiscus lobatus</i> (Murray) Kuntze	Atakanara/Lobed Leaf Mallow	Herb	MI
379	<i>Hibiscus panduriformis</i> Burm.f.	Yellow Hibiscus	Shrub	WO
380	<i>Hibiscus vitifolius</i> L.	Adavipatthi/Grape Leaved Mallow	Shrub	WO
381	<i>Kydia calycina</i> Roxb.	Konda patti/Kydia	Tree	WO
382	<i>Malvastrum coromandelianum</i> (L.) Garcke	False Mallow	Herb	MI
383	<i>Melochia corchorifolia</i> L.	Bankodi/Chocolate Weed	Herb	MI
384	<i>Pavonia odorata</i> Willd.	Chittibenda/Chocolate Weed	Herb	WO
385	<i>Pavonia zeylanica</i> (L.) Cav.	Chittimuddabenda	Herb	WO
386	<i>Sida acuta</i> Burm.f.	Athibala/Common Wireweed	Herb	M, EI
387	<i>Sida cordata</i> (Burm.f.) Borss. Waalk.	Gayapaku/ Long-stalk Sida	Herb	M
388	<i>Sida cordifolia</i> L.	Heart-Leaf Sida	Herb	MI
389	<i>Sida spinosa</i> L.	Nagabala/Prickly Sida	Herb	MI
390	<i>Sterculia urens</i> Roxb.	Tabasi/Gum karaya	Tree	M, EI
391	<i>Triumfetta rhomboidea</i> Jacq.	Marla benda/Burr Bush	Herb	M
392	<i>Triumfetta rotundifolia</i> Lam.	Banki-tuthuru/Roundleaf Burr-Bush	Herb	MI
393	<i>Urena lobata</i> L.	Padanikaada/Caesarweed	Shrub	WO
394	<i>Waltheria indica</i> L.	Sleepy Morning	Herb	MI
Bixaceae				
395	<i>Cochlospermum religiosum</i> (L.) Alston	Kondagogu/White Silk Cotton	Tree	EI, WO
Capparaceae				
396	<i>Cadabafruticosa</i> (L.) Druce	Vutharasichettu/Indian Cadaba	Shrub	M
397	<i>Capparis sepiaria</i> L.	Nalla uppi/Wild caper bush	Climber	M
398	<i>Capparis grandis</i> L.f.	Regutti/Tree Caper	Tree	MI
399	<i>Capparis zeylanica</i> L.	Adonda/Ceylon caper	Climber	WE, M
400	<i>Maerua oblongifolia</i> (Forssk.) A. Rich.	Bhuchakramgadda/Desert Caper	Climber	WE, M
Olacaceae				
401	<i>Ola x scandens</i> Roxb.	Turakatoppe/Parrot Olax	Climber	WE, M
402	<i>Ximenia americana</i> L.	Nakkera/Hog plum	Shrub	WE, M
Brassicales, Cleomaceae				
403	<i>Cleome aspera</i> J. Koenig ex DC.	Mulluvaminta/Rough Spider Flower	Herb	MI
404	<i>Cleome gynandra</i> L.	Vaminta/Wild spider flower	Herb	WO
405	<i>Cleome monophylla</i> L.	Gaddi vaminta/Spindle Pod	Herb	MI
406	<i>Cleome simplicifolia</i> (Cambess.) Hook.f. & Thomson	Simple Leaved Clammyweed	Herb	MI
407	<i>Cleome viscosa</i> L.	Kukkavaminta	Herb	M
Santalales, Opiliaceae				
408	<i>Opilia amentacea</i> Roxb.	Fragrant Opilia	Climber	WE
Santalaceae				
409	<i>Santalum album</i> L.	Sri gandham/Sandalwood	Tree	M, EI
410	<i>Viscum articulatum</i> Burm. f.	Badanika/Leafless Mistletoe	Parasite	MI
Loranthaceae				
411	<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Peddabadanika	Parasite	MI
Caryophyllales, Plumbaginaceae				
412	<i>Plumbago zeylanica</i> L.	Chitramoolam/White leadwort	Herb	M, WO
Polygonaceae				
413	<i>Persicaria glabra</i> (Willd.) M. Gómez	Denseflower Knotweed	Shrub	MI
Droseraceae				
414	<i>Drosera indica</i> L.	Flycatcher, Sundew	Herb	MI

Caryophyllaceae				
415	<i>Polycarpaea corymbosa</i> (L.) Lam.	Nookalapuvvu/Oldman's Cap	Herb	M, WO
Amaranthaceae				
416	<i>Achyranthes aspera</i> L.	Uttareni/Prickly chaff flower	Herb	WE, M
417	<i>Aervalanata</i> (L.) Juss.	Kondapindi/Mountain Knot Grass	Herb	WE, M
418	<i>Alternanthera ficoidea</i> (L.) Sm.	Chilukaaaku/Sanguinarea	Herb	MI
419	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Alligator Weed	Herb	MI
420	<i>Alternanthera pungens</i> Kunth	Paper Thorn	Herb	MI
421	<i>Alternanthera sessilis</i> (L.) R. Br. ex DC.	Ponnaganti/Sessile Joyweed	Herb	WE
422	<i>Allmania nodiflora</i> (L.) R. Br. ex Wight	Gurugukoora/Node Flower Allmania	Herb	WE
423	<i>Amaranthus viridis</i> L.	Chilaka-thotakoora	Herb	WE
424	<i>Celosia argentea</i> L.	Gunugu/Silver Cockscomb	Herb	WE, WO
425	<i>Digera muricata</i> (L.) Mart.	Chenchalaaku/False Amaranth	Herb	WE
426	<i>Gomphrena serrata</i> L.	Prostrate Gomphrena	Herb	MI
427	<i>Pupalia lappacea</i> (L.) Juss.	Tellauttareni/Forest Burr	Herb	MI
428	<i>Trichuriella monsoniae</i> (L.f.) Bennet	Monson's Knotgrass	Herb	MI
Nyctaginaceae				
429	<i>Boerhavia diffusa</i> L.	Atikamamidi/Punarnava	Herb	M
430	<i>Boerhavia erecta</i> L.	Erect Spiderling	Herb	MI
Molluginaceae				
431	<i>Glinus lotoides</i> L.	Chatarasikura/Lotus Sweetjuice	Herb	MI
432	<i>Glinus oppositifolius</i> (L.) Aug. DC.	Santrasi/Indian chickweed	Herb	MI
433	<i>Mollugo nudicaulis</i> Lam.	Parpatakam/Naked-Stem	Herb	MI
434	<i>Mollugo pentaphylla</i> L.	Verri Chatarasi	Herb	MI
Portulacaceae				
435	<i>Portulaca pilosa</i> L.	Chinna gaddi gulabi/Pink Purslane	Herb	WO
436	<i>Portulaca tuberosa</i> Roxb.	Dumpa gaddi gulabi/Purslane	Herb	WO
Cactaceae				
437	<i>Opuntia stricta</i> (Haw.) Haw.	Brammajemudu/Erect Prickly Pear	Shrub	WE, M
Cornales, Cornaceae				
438	<i>Alangium salviifolium</i> (L.f.) Wangerin	Uduga/Sage Leaved Alangium	Tree	WE, M
Ericales, Balsaminaceae				
439	<i>Impatiens rosea</i> Lindl.	Wild Rose balsam	Herb	WO
Lecythidaceae				
440	<i>Careya arborea</i> Roxb.	Buddadarmi/Wild Guava	Tree	WO
Sapotaceae				
441	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A. Chev.	Ippachettu/Indian Butter Tree	Tree	M, EI
Ebenaceae				
442	<i>Diospyros chloroxylon</i> Roxb.	Ullinda/Green Ebony Persimmon	Tree	WE, M
443	<i>Diospyros melanoxylon</i> Roxb.	Tuniki, Beedi Aaku	Tree	WE, M
444	<i>Diospyros malabarica</i> (Desr.) Kostel.		Tree	MI
445	<i>Diospyros montana</i> Roxb.	Kakiulimera/Bombay ebony	Tree	MI
Gentianales, Rubiaceae				
446	<i>Canthium coromandelicum</i> (Burm.f.) Alston	Balusu/Coromandel Canthium	Shrub	WE, M
447	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Manga/Mountain Pomegranate	Shrub	M, WO
448	<i>Dentella repens</i> (L.) J.R. Forst. & G. Forst.	Creeping Dentella	Herb	MI
449	<i>Gardenia latifolia</i> Aiton	PeddaKaringa/Indian Boxwood	Tree	WO
450	<i>Gardenia resinifera</i> Roth	Karinga/Brilliant Gardenia	Tree	WO
451	<i>Gardenia gummifera</i> L.f.	Chinna Karinga	Tree	WE, WO
452	<i>Hymenodictyon orixense</i> (Roxb.) Mabb.	Dudippa/Bridal Couch Tree	Tree	MI
453	<i>Ixora pavetta</i> Andrews	Korivichettu/Torchwood Tree	Tree	WE, WO
454	<i>Knoxia sumatrensis</i> (Retz.) DC.	Sumatra Knoxia	Herb	MI
455	<i>Kohautia aspera</i> (B.Heyne ex Roth) Bremek.	Rough Diamond Flower	Herb	MI
456	<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Battaganapa/True Kadamb	Tree	M, WO

457	<i>Morinda coreia</i> Buch.-Ham.	Togaru/Indian Mulberry	Tree	WE, M
458	<i>Neanotis lancifolia</i> (Hook.f.) W.H. Lewis	Starviolet	Herb	WO
459	<i>Oldenlandia affinis</i> (Roem. &Schult.) DC.	Blue Diamond Flower	Herb	MI
460	<i>Oldenlandia herbacea</i> (L.) Roxb.	Verrinelavaemu	Herb	MI
461	<i>Oldenlandia umbellata</i> L.	Chiruveru/Chay Root	Herb	MI
462	<i>Pavetta indica</i> L.	Papidi/Indian Pavetta	Shrub	WO
463	<i>Spermacoce articularis</i> L.f.	Madanaku/Jointed Buttonweed	Herb	M
464	<i>Spermacoce hispida</i> L.	Madanakaada	Herb	M
465	<i>Spermacoce ocyroides</i> Burm.f.	Purple Leaved Button Weed	Herb	MI
466	<i>Spermacoce pusilla</i> Wall.	Tiny False Buttonweed	Herb	MI
Loganiaceae				
467	<i>Strychnos potatorum</i> L.f.	Chilla/Clearing Nut Tree	Tree	WE, M
Gentianaceae				
468	<i>Canscora alata</i> (Roth) Wall.	Winged-Stem Canscora	Herb	WO
469	<i>Canscora diffusa</i> (Vahl) R. Br. ex Roem. & Schult.	Spreading Canscora	Herb	WO
470	<i>Canscora heteroclita</i> (L.) Gilg	Stalkless Canscora	Herb	WO
471	<i>Centaureum centaurioides</i> (Roxb.) S.R. Rao & Hemadri		Herb	WO
472	<i>Enicostema axillare</i> (Poir. ex Lam.) A. Raynal	Nelagolimidi/Indian Whitehead	Herb	M
473	<i>Exacum pedunculatum</i> L.	Stalked Persian Violet	Herb	WO
474	<i>Exacum tetragonum</i> Roxb.	Bicolor Persian Violet	Herb	WO
475	<i>Hoppea dichotoma</i> Willd.	Indian Hoppea	Herb	MI
Apocynaceae				
476	<i>Brachystelma ananthagiriense</i> Paramesh et al.		Herb	MI
477	<i>Calotropis gigantea</i> (L.) W.T. Aiton	Tella Jilledu/Crown Flower	Shrub	M
478	<i>Calotropis procera</i> (Aiton) W.T. Aiton	Yerra Jilledu/Rubber Bush	Shrub	M
479	<i>Catharanthus pusillus</i> (Murray) G. Don	Mirapaalam/Tiny Periwinkle	Herb	M
480	<i>Ceropegia hirsuta</i> Wight & Arn.	Hairy Ceropegia	Climber	M, WO
481	<i>Cryptolepis buehananii</i> R. Br. ex Roem. & Schult.	Adavipalateega	Climber	M, WO
482	<i>Dregea volubilis</i> (L.f.) Benth. ex Hook.f.	Bandi Gurija/Cotton milk plant	Climber	M
483	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Sm.	Podapatri/Gurmar	Climber	M
484	<i>Hemidesmus indicus</i> (L.) R.Br.	Sugandha pala/Indian Sarsaparilla	Climber	M
485	<i>Holarrhena pubescens</i> Wall. ex G.Don	Kondamalle/Indrajao	Shrub	M
486	<i>Holostemma ada-kodien</i> Schult.	Dudipaalathige	Climber	M
487	<i>Ichnocarpus frutescens</i> (L.) W.T. Aiton	Nalla teega/Black Creeper	Climber	M
488	<i>Oxystelma esculentum</i> (L.f.) Sm.	Dudipala/Rosy Milkweed Vine	Climber	M, WO
489	<i>Pentstemon capensis</i> (L.f.) Bullock	Poolapaala/Cape swallowwort	Climber	M
490	<i>Pergularia daemia</i> (Forssk.) Chiov.	Dushtaputeega	Climber	M
491	<i>Vincetoxicum indicum</i> (Burm.f.) Mabb.	Mekameyaniaaku/Indian Ipecac	Climber	M
492	<i>Vincetoxicum rotundifolium</i> (Buch. -Ham. ex Wight) Kuntze	Roundleaf Ipecac	Climber	M
493	<i>Wrightia tinctoria</i> (Roxb.) R.Br.	Pala kodisha/Dyers's oleander	Tree	M
494	<i>Wrightia arborea</i> (Dennst.) Mabb.	Adaviankudu	Tree	M, WO
Boraginales, Boraginaceae				
495	<i>Cordia dichotoma</i> G.Forst.	Chinnalriki/Indian Cherry	Tree	WE, M
496	<i>Cordia macleadii</i> (Griff.) Hook.f. & Thomson		Tree	MI
497	<i>Coldenia procumbens</i> L.	Cheppu-tattaku	Herb	M
498	<i>Ehretia laevis</i> Roxb.	Pala danthi/Chamror	Tree	WO
499	<i>Heliotropium indicum</i> L.	Naga danthi/Indian Heliotrope	Herb	M, WO
500	<i>Heliotropium ovalifolium</i> Forssk.		Herb	MI
501	<i>Heliotropium strigosum</i> Willd.	Bristly Heliotrope	Herb	MI
502	<i>Trichodesma indicum</i> (L.) Sm.	Nelanakshatralu/Indian Borage	Herb	M, WO
Solanales, Convolvulaceae				
503	<i>Argyreia cymosa</i> (Roxb.) Sweet	Clustered Woodrose	Climber	WO
504	<i>Argyreia setosa</i> (Roxb.) Sweet		Climber	WO

505	<i>Cuscuta reflexa</i> Roxb.	Paashiteega/Giant dodder	Climber	M
506	<i>Distimake quinquefolius</i> (L.) A.R. Simões & Staples	Rock Rosemary	Climber	WO
507	<i>Evolvulus alsinoides</i> (L.) L.	Vishnukrantha/Dwarf Morning Glory	Herb	M, WO
508	<i>Evolvulus nummularius</i> (L.) L.	Roundleaf Bindweed	Herb	WO
509	<i>Ipomoea biflora</i> (L.) Pers.	Chinese Morning Glory	Climber	WO
510	<i>Ipomoea cairica</i> (L.) Sweet	Railway creeper	Climber	WO
511	<i>Ipomoea carnea</i> Jacq.	Lotta pisu/Bush Morning Glory	Shrub	WO
512	<i>Ipomoea coptica</i> (L.) Roth ex Roem. & Schult.	Egyptian Morning Glory	Climber	WO
513	<i>Ipomoea eriocarpa</i> R. Br.	Elikachevi/Tiny Morning Glory	Climber	M, WO
514	<i>Ipomoea hederifolia</i> L.	Kashiratnam/Scarlet Morning Glory	Climber	WO
515	<i>Ipomoea nil</i> (L.) Roth	Koliivittulu/Blue Morning Glory	Climber	WO
516	<i>Ipomoea obscura</i> (L.) Ker Gawl.	Gollajiddaku/Obscure Morning Glory	Climber	M, WO
517	<i>Ipomoea parasitica</i> (Kunth) G. Don	Yellow-throated Ipomoea	Climber	WO
518	<i>Ipomoea pes-tigridis</i> L.	Puli aduguteega	Climber	M, WO
519	<i>Ipomoea triloba</i> L.	Little Bell	Climber	WO
520	<i>Jacquemontia paniculata</i> (Burm.f.) Hallier f.	Mauve Clustervine	Climber	WO
521	<i>Merremia tridentata</i> (L.) Hallier f.	Sitasavaram	Climber	WO
522	<i>Operculina turpethum</i> (L.) Silva Manso	Tagada/Indian jalap	Climber	M, WO
523	<i>Rivea hypocrateriformis</i> (Desr.) Choisy	Boddikoora/Midnapore Creeper	Climber	WE, M
<i>Solanaceae</i>				
524	<i>Datura inoxia</i> Mill.	Ummetta/Pricklyburr	Shrub	M
525	<i>Physalis angulata</i> L.	Buddabusada	Herb	WE, M
526	<i>Physalis pruinosa</i> L.	PeddaBuddagosi/Ground Cherry	Herb	MI
527	<i>Solanum americanum</i> Mill.	Kamanchi/Black Nightshade	Herb	WE, M
528	<i>Solanum erianthum</i> D. Don	Budama/Big Eggplant	Shrub	WO
529	<i>Solanum virginianum</i> L.	Vaakudu/Thorny Nightshade	Herb	M
530	<i>Solanum violaceum</i> Ortega	Indian Nightshade	Shrub	MI
<i>Lamiales, Oleaceae</i>				
531	<i>Jasminum auriculatum</i> Vahl	Adavimalle/Juhi	Climber	WO
532	<i>Nyctanthes arbotristis</i> L.	Parijatam/Coral Jasmine	Tree	M, WO, EI
<i>Plantaginaceae</i>				
533	<i>Bacopa monnieri</i> (L.) Wettst.	Brahmi/Indian pennywort	Herb	M
534	<i>Limnophila heterophylla</i> (Roxb.) Benth.		Herb	WO
535	<i>Limnophila indica</i> (L.) Druce	Nitiganneru/Indian Marshweed	Herb	WO
<i>Linderniaceae</i>				
536	<i>Lindernia ciliata</i> (Colsm.) Pennell	Fringed False Pimpernel	Herb	MI
537	<i>Lindernia parviflora</i> (Roxb.) Haines		Herb	MI
538	<i>Torenia crustacea</i> (L.) Cham. & Schltdl.	Malaysian Lindernia	Herb	MI
<i>Martyniaceae</i>				
539	<i>Martynia annua</i> L.	Telukondikaaya/Devil's Claws	Shrub	M, WO
<i>Pedaliaceae</i>				
540	<i>Sesamum radiatum</i> Thonn. ex Hornem.	Adavinuvvulu/Wild Sesamum	Herb	WO
<i>Acanthaceae</i>				
541	<i>Andrographis echinoides</i> (L.) Nees	Godathulasi/False Waterwillow	Herb	MI
542	<i>Andrographis paniculata</i> (Burm.f.) Nees	Nelavemu/King of bitters	Herb	M, EI
543	<i>Asystasia mysorensis</i> (Roth) T. Anderson	Mysore Asystasia	Herb	WO
544	<i>Barleria cristata</i> L.	Neeligorinta/Philippine Violet	Shrub	WO
545	<i>Barleria longiflora</i> L.f.	Pinna-gorinta/Long Flowered Barleria	Shrub	WO
546	<i>Barleria prattensis</i> Santapau	Forest Barleria	Herb	WO
547	<i>Barleria prionitis</i> L.	Mullagorinta/Porcupine Flower	Shrub	WO
548	<i>Blepharis integrifolia</i> (L.f.) E. Mey. & Drège ex Schinz	NelaPariki/Narrow-Leaf Blepharis	Herb	WO
549	<i>Blepharis maderaspatensis</i> (L.) B.Heyne ex Roth	Anthrinta-pulu	Herb	WO
550	<i>Dicliptera cuneata</i> Nees	Wedge-Leaf Foldwing	Herb	WO
551	<i>Dicliptera paniculata</i> (Forssk.) I. Darbysh.	Chebeera/Panicled Foldwing	Herb	MI

552	<i>Eranthemum pulchellum</i> Andrews	Neelambaramu/Blue Sage	Herb	WO
553	<i>Eranthemum roseum</i> (Vahl) R. Br. ex Roem. & Schult.	Rosy Eranthemum	Herb	WO
554	<i>Hemigraphis latebrosa</i> (B. Heyne ex Roth) Nees	Neetigobbi/Marsh Barbel	Herb	M
555	<i>Hygrophila auriculata</i> (Schumach.) Heine	Glaucous Justicia	Herb	WO
556	<i>Justicia glauca</i> Rottler		Herb	MI
557	<i>Justicia vahlii</i> Roth	Mullabanthi/Crested Lepidagathis	Herb	M
558	<i>Lepidagathis cristata</i> Willd.	Nagamalle/Snake Jasmine	Herb	WO
559	<i>Rhinacanthus nasutus</i> (L.) Kurz	Prostrate Justicia	Herb	MI
560	<i>Rostellularia diffusa</i> var. <i>prostrata</i> (Roxb. ex C.B. Clarke) J.L. Ellis	Water Willow	Herb	MI
561	<i>Rostellularia procumbens</i> (L.) Nees	Spreading Ruellia	Herb	WO
562	<i>Ruellia patula</i> Jacq.	Bell Weed	Herb	WO
563	<i>Ruellia prostrata</i> Poir.	Creeping Rungia	Herb	MI
564	<i>Rungia repens</i> (L.) Nees	Shade Loving Hemigraphis	Herb	WO
565	<i>Thunbergia fragrans</i> Roxb.	Sweet Clock-Vine	Climber	WO
Bignoniaceae				
566	<i>Dolichandrone atrovirens</i> (Roth) K. Schum.	Oddi/Wavy Trumpet Flower	Tree	WO
567	<i>Dolichandrone falcata</i> (Wall. ex DC.) Seem.	Chittivoddi/Medhshingi	Tree	WO
Lentibulariaceae				
568	<i>Utricularia bifida</i> L.	Two-Flower Bladderwort	Herb	MI
569	<i>Utricularia caerulea</i> L.	Blue Bladderwort	Herb	MI
570	<i>Utricularia scandens</i> Benj.	Climbing Bladderwort	Herb	MI
Verbenaceae				
571	<i>Lantana camara</i> L.	Akshinthapoolu/Lantana	Shrub	WE, MI
572	<i>Phyla nodiflora</i> (L.) Greene	Bokenaku/Frog Fruit	Herb	MI
573	<i>Vitex negundo</i> L.	Vaavili/Chaste Tree	Shrub	M
Lamiaceae				
574	<i>Anisochilus carnosus</i> (L.f.) Wall. ex Benth.	Adusapundlaaku/Adusapundlaaku	Herb	M
575	<i>Anisomeles indica</i> (L.) Kuntze	Adabeera/Indian Catmint	Shrub	M
576	<i>Anisomeles malabarica</i> (L.) R. Br.	Magabeera/Malabar Catmint	Shrub	M
577	<i>Basilicum polystachyon</i> (L.) Moench	Kaachana/Musk Basil	Herb	MI
578	<i>Hyptissua veolens</i> (L.) Poit.	Mahabeera/American Mint	Shrub	MI
579	<i>Leonotis nepetifolia</i> (L.) R. Br.	Ranabheri/Lion's ear	Herb	WO
580	<i>Leucas aspera</i> (Willd.) Link	Tummikoora/Common Leucas	Herb	WE, M
581	<i>Leucas biflora</i> (Vahl) Sm.	Two-Flowered Leucas	Herb	MI
582	<i>Leucas cephalotes</i> (Roth) Spreng.	Head Leucas	Herb	MI
583	<i>Leucas martinicensis</i> (Jacq.) R.Br.	Whitewort	Herb	WO
584	<i>Ocimum americanum</i> L.	KukkaThulasi/Hoary Basil	Herb	MI
585	<i>Orthosiphon pallidus</i> Royle ex Benth.	Pale Java Tea	Herb	MI
586	<i>Orthosiphon rubicundus</i> (D. Don) Benth.	Red Java Tea	Herb	MI
587	<i>Orthosiphon thymiflorus</i> (Roth) Sleesen	Thyme Java Tea	Herb	MI
588	<i>Plectranthus mollis</i> (Aiton) Spreng.	Nelamarri/Soft-Stem Mintleaf	Herb	M
589	<i>Premna tomentosa</i> Willd.	Nagoru	Tree	MI
590	<i>Rothea serrata</i> (L.) Steane & Mabb.	Bommalamarri/Blue Fountain Bush	Shrub	M, WO
591	<i>Symphorema polyandrum</i> Wight	Budamarri/Bhingri	Shrub	WO
592	<i>Tectona grandis</i> L.f.	Teakuchettu/Teak	Tree	EI
593	<i>Clerodendrum phlomidis</i> L.f.	Taluki/Sage Glory Bower	Shrub	WO
Orobanchaceae				
594	<i>Parasopubia delphiniifolia</i> (L.) H.-P. Hofm. & Eb. Fisch.	Common Sopubia	Herb	WO
595	<i>Striga asiatica</i> (L.) Kuntze	Jonna malle/Asiatic Witchweed	Parasite	MI
596	<i>Striga densiflora</i> (Benth.) Benth.	Denseflower Witchweed	Parasite	MI
597	<i>Striga gesnerioides</i> (Willd.) Vatke	Purple Witchweed	Parasite	MI

Asterales, Asteraceae				
598	<i>Acmella paniculata</i> (Wall. ex DC.) R.K. Jansen	Panicled Spot Flower	Herb	M
599	<i>Ageratum conyzoides</i> L.	Pokabanthi/Goat Weed	Herb	MI
600	<i>Bidens bipinnata</i> L.	Spanish Needles	Herb	WE, M
601	<i>Blainvillea acmella</i> (L.) Philipson	Para Cress Flower	Herb	MI
602	<i>Blumea lacera</i> (Burm.f.) DC.	Karupogaku	Herb	MI
603	<i>Blumea obliqua</i> (L.) Druce	Oblique Blumea	Herb	MI
604	<i>Blumea oxyodonta</i> DC.	Spiny Leaved Blumea	Herb	MI
605	<i>Caesulia axillaris</i> Roxb.	Erragobbi/Pink Node Flower	Herb	WO
606	<i>Chromolaena odorata</i> (L.) R.M. King & H. Rob.	Juttupuvvu/Siam Weed	Herb	MI
607	<i>Cyanthillium albicans</i> (DC.) H.Rob.	Western Ghats Vernonia	Herb	WO
608	<i>Cyanthillium cinereum</i> (L.) H.Rob.	Sahadevi/Little ironweed	Herb	M
609	<i>Echinops echinatus</i> Roxb.	Brahma dhandi/Indian Globe Thistle	Herb	WO
610	<i>Eclipta prostrata</i> (L.) L.	Guntagalagara/False Daisy	Herb	M
611	<i>Emilia sonchifolia</i> (L.) DC.	Purple Sow Thistle	Herb	MI
612	<i>Epaltes divaricata</i> Cass.	Narrow-Leaf Epaltes	Herb	MI
613	<i>Erigeron bonariensis</i> L.	Flaxleaf Fleabane	Herb	MI
614	<i>Glossocardia bosvallia</i> DC.	Adavidavanam/Patthar Suva	Herb	MI
615	<i>Gnaphalium polycaulon</i> Pers.	Many-Stemmed Cudweed	Herb	MI
616	<i>Grangea maderaspatana</i> (L.) Poir.	Madras Carpet	Herb	WO
617	<i>Lagascea mollis</i> Cav.	Silkleaf	Herb	M
618	<i>Oligochaeta divaricata</i> (DC.) K. Koch	Branched Sweet-Sultan	Herb	MI
619	<i>Parthenium hysterophorus</i> L.	Vayyaribhama/Congress grass	Herb	MI
620	<i>Pulicaria wightiana</i> (DC.) C.B. Clarke	Adavichamanthi/Sontikli	Herb	WO
621	<i>Sphaeranthus indicus</i> L.	Bodataram	Herb	M
622	<i>Synedrella nodiflora</i> (L.) Gaertn.	Mudipuvuchettu/Nodeweed	Herb	MI
623	<i>Tridax procumbens</i> L.	Nalaalam/Coat Buttons	Herb	M
624	<i>Vicoa indica</i> (L.) DC.	Adavichamanthi	Herb	WO
625	<i>Wedelia urticifolia</i> DC.	Nettle Leaved Wedelia	Herb	WO
626	<i>Xanthium strumarium</i> L.	Marula Matangi	Herb	M
Pteridophyta				
Marsileaceae				
1	<i>Marsilea quadrifolia</i> L.	Chukkaku	Herb	M
Ophioglossaceae				
2	<i>Ophioglossum costatum</i> R.Br.		Herb	MI
Pteridaceae				
3	<i>Actiniopteris radiata</i> (Sw.) Link	Nemalipincham	Herb	M
4	<i>Adiantum incisum</i> Forssk.	Nilakantha-shikhaa	Herb	M
5	<i>Hemionitis tenuifolia</i> (Burm.f.) Christenh.	Narrow-leaved lip fern	Herb	M
Selaginellaceae				
6	<i>Selaginella bryopteris</i> (L.) Baker	Pitta kaluchettu	Herb	M

juncea), toddy (*Borassus flabellifer*, *Phoenix sylvestris*), brooms (*Aristida setacea*, *Dodonaea viscosa*, *Sida acuta*), fuel (*Prosopis juliflora*) and preparation of ornaments (seeds of *Abrus precatorius*, *Coix lacryma-jobi*).

iii. Fodder Value: Out of the total taxa, 81 are good source of fodder. *Poaceae* is the main source of fodder with variety of grass species. Some *Fabaceae* members like *Cajanus scaraboides*, *Dolichos trilobus*, *Rhynchosia capitata*, *Rhynchosia minima*,

Rhynchosia suaveolens, *Stylosanthes fruticosa* and *Vigna aconitifolia* serve as fodder. Grasses like *Brachiaria ramosa*, *Chrysopogon fulvus*, *Chrysopogon polyphyllus*, *Chrysopogon serrulatus*, *Cynodon dactylon*, *Cynodon barberi*, *Dactyloctenium aegyptium*, *Eleusine indica*, *Heteropogon contortus*, *Dichanthium annulatum*, *Dichanthium foveolatum*, *Setaria intermedia* and *Setaria pumila*, *Capillipedium huegelii* are some important species which serve as fodder.

iv. Wild Edible Plants: A total of 71 wild edible species are recorded. The roots, leaves and fruits are the major source of edible parts. They serve as food material as well as economical source for local people. 144 wild edible plant species reported by Venkateswara Rao et al. (2021) from Bhadrachalam District of Telangana State and 47 wild species that yield edible fruits from southern Eastern Ghats reported by Khadar Basha et al. (2009). *Dioscorea bulbifera* aerial tubers and *Dioscorea pentaphylla* roots are boiled and eaten. *Allmania nodiflora*, *Amaranthus viridis*, *Alternanthera sessilis*, *Achyranthes aspera*, *Boerhavia diffusa*, *Digera muricata*, *Aerva lanata*, *Leucas aspera*, *Celosia argentea* and *Oxalis corniculata* young leaves are used as leafy vegetables. *Annona squamosa*, *Diospyros melanoxylon*, *Ximenia americana*, *Ziziphus oenopolea*, *Ziziphus jujuba*, *Polyalthia cerasoides*, *Pithecelobium dulce*, *Erythroxylum monogynum*, *Phyllanthus emblica*, *Buchnanania cochinchinensis*, *Semecarpus anacardium*, *Morinda coriea*, *Cordia dichotoma*, etc. fruits are edible. We noticed a few locals selling *Annona squamosa*, *Buchnanania cochinchinensis*, *Diospyros chloroxylon*, *Phoenix sylvestris*, *Pithecelobium dulce* and *Mangifera indica* fruits in the temple premises, earning a small amount of money.

v. Wild Ornamental Value: The present study explored a total 145 wild ornamental value species. Anjaneyulu et al. (2021) reported a total of 830 species of wild angiosperms from Andhra Pradesh, India which is a good source for wild ornamental species. Trees like *Bombax ceiba*, *Butea monosperma*, *Careya arborea*, *Cassia fistula*, *Dolichandrone falcata*, *Erythrina suberosa*, *Gardenia latifolia*, *Gardenia resinifera*, *Haldina cordifolia*, *Holarrhena pubescens*, *Ixora pavetta*, *Mitragyna parviflora*, *Nyctanthes arbor-tristis*, are good source of ornamentals and also attract birds with their nectar. Shrubs, viz. *Barleria cristata*, *Barleria longiflora*, *Barleria prionitis*, *Clerodendrum phlomidis*, *Pavetta indica*, *Woodfordia fruticosa* are convenient to grow in household open places. *Argyrea cymosa*, *Argyrea setosa*, *Clematis zeylanica*, *Clitoria ternatea*, *Derris*

scandens, *Gloriosa superba*, *Ipomoea parasitica*, *Ipomoea triloba*, *Jaquemontea paniculata*, *Jasminum auriculatum*, *Paracalyx scariosus*, *Thunbergia fragrans* climbers are required to be introduced as ornamentals at houses, function halls, colleges and parks. The orchid species always have peculiar value as ornamentals. *Geodorum densiflorum*, *Habenaria gibsonii* var. *foetida*, *Habenaria marginata*, *Habenaria multicaudata*, *Habenaria plantaginea*, *Habenaria roxburghii*, *Vanda tesellata* are the species present in this area. The significant herbaceous taxa used as ornamentals include *Barleria prattensis*, *Crinum latifolium*, *Exacum pedunculatum*, *Impatiens rosea*, *Neonatis lancifolia*, *Pancratium triflorum*, *Portulaca tuberosa* and *Uraria lagopoides*.

vi. Miscellaneous Uses: This category includes plants which serve as soil binders and prevent soil erosion. Grasses like *Eragrostis bifaria*, *Eragrostis brachyphylla*, *Lophopogon tridentatus*, *Melanocenchris jacquemontii* and *Tripogon* sp. and pteridophytes like *Selaginella bryopteris*, biofencing plants such as *Caesalpinia bonduc* and *Pterolobium hexapetalum*, wild relatives of crops such as *Cajanus scaraboides*, *Oryza rufipogon*, *Paspalum vaginatum*, *Sesamum radiatum*, *Setaria intermedia* and *Setaria pumila* and other wild species and weeds are categorized under this category.

RARE AND IMPORTANT PLANT SPECIES OF THE AREA

The study explored the presence of following endemic, important, rare, uncommon plant species: *Albizia odoratisima*, *Argyrea setosa*, *Asystasia mysorensis*, *Boswellia serrata*, *Canscora heteroclita*, *Celastrus paniculatus*, *Centaurium centaurioides*, *Ceropegia hirsuta*, *Curcuma pseudomontana*, *Eriolaena hookeriana*, *Exacum tetragonum*, *Geodorum densiflorum*, *Habenaria gibsonii* var. *foetida*, *Habenaria marginata*, *Habenaria multicaudata*, *Heteropogon fischerianus*, *Holostemma ada-kodien*, *Iphigenia pallida*, *Ledebouria hyderabadensis*, *Leea asiatica*, *Mallotus*

philippenisis, *Pancratium triflorum*, *Phyllanthus urinaria*, *Tacca leontopetaloides*, *Tripogona nathaswaminanus*, *Vincetoxicum rotundifolium*, *Woodfordia fruticosa* and insectivorous plant like *Drosera indica*, *Utricularia bifida*, *Utricularia caerulea* and *Utricularia scandens*.

NEW DISTRIBUTIONAL RECORDS

Exploration of Telangana flora by various workers resulted into addition of 10 taxa, viz. *Impatiens rosea* (Paramesh et al. 2020), *Heteropogon fischerianus* (Nagaraju et al. 2020), *Ipomoea parasitica* (Ravikiran et al. 2020), *Asystasia mysorensis* (Vijaya Bhasker Reddy & Paramesh 2020), *Habenaria gibsonii* var. *foetida* (Paramesh et al. 2021), *Ipomoea biflora* (Paramesh & Vijaya Bhasker Reddy 2021), *Chrysopogon serrulatus* (Nagaraju et al. 2021), *Sehima ischaemoides* (Nagaraju et al. 2021), *Habenaria multicaudata* (Vijaya Bhasker Reddy & Paramesh 2022) and *Exacum tetragonum* (Paramesh et al. 2022). *Brachystelma ananthagiriense* - *Apocynaceae* (Paramesh et al. 2021) is strictly endemic to this area (Figure 3).

THREATS

The main threats to the plant wealth include overexploitation of fuelwood, timber, medicinal plants, cutting of trees for fodder such as *Azadirachta indica*, *Soymida febrifuga*, lopping of *Boswellia serrata* often seen for religious aspect at the time of marriage, over collection of beedi leaf from *Diospyros melanoxylon* and *Phaneravahlia* leaves for tiffin plates and improper harvest of *Buchanania cochinchinensis* twigs for fruits. Grazing is another major threat by cattle, goat and sheep. It causes loss of several important herbal species and their footprints hardening the soil by affecting the germination of seeds. Alien weeds such as *Chromolaena odorata*, *Hyptis suaveolens*, *Lantana*

camara and *Senna uniflora* are invading the forest and severely affecting the local vegetation by their domination. Forest fires are serious hazard to flora in the summer caused to unexpectedly erupting wildfires. Since this area is near to Hyderabad city, thousands of people visit every weekend, polluting the area with trash food, non-biodegradable plastic covers, water bottles, plates thrown by tourists and pilgrims. The trekking paths and watch towers, bird viewpoints, grassland viewpoints that passes through the middle of forest causing disturbance to plant and animal species and mainly *Brachystelma ananthagiriense*, found within 500 meters of area in grasslands, is under major anthropogenic threat.

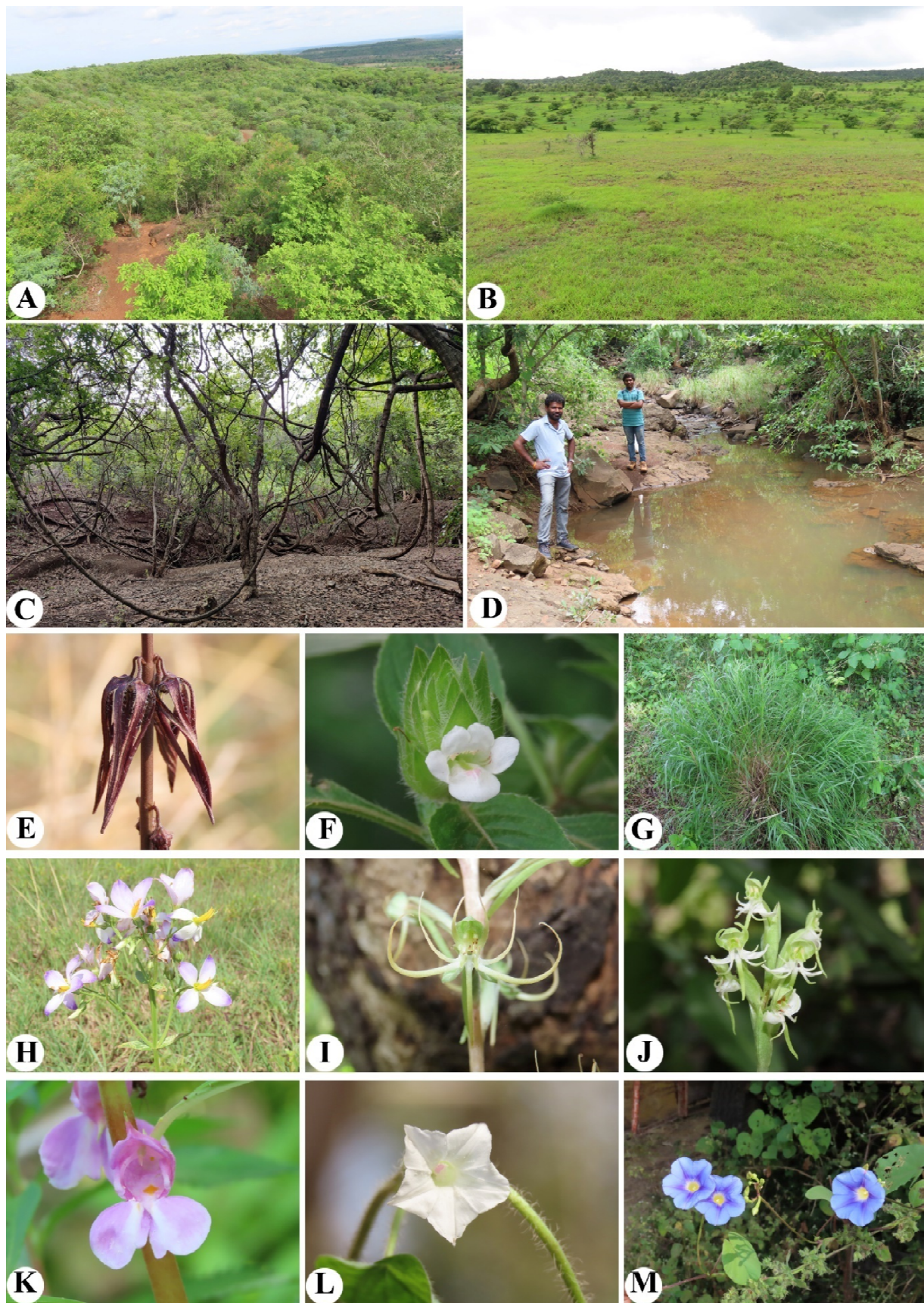
SUGGESTED CONSERVATION MEASURES

The following key strategies are proposed for effective conservation of plant resources in Ananthagiri Hills.

1. The forest department and GCC should make local tribes and healers aware of sustainable harvesting of medicinal plants in the study area by conducting programs.
2. Gaps in fence and trenches around the forest should be filled to prevent cattle and goats from grazing, as well as human interference for fodder, timber collection and illegal forest occupation.
3. In the summer, improving the fire lines and monitoring the forest on a regular basis prevents forest fire damage.
4. A comprehensive action plan for the elimination of invasive alien weeds in the study area should be implemented based on the recommendations of ecologists and taxonomists.
5. Minimize tourism and other development activities in areas where rare and vulnerable plant taxa are present. Identify those areas as sensitive zones and restrict human interference.



Figure 3. A–D. Various habitat features of the study area. E. *Brachystelma ananthagiriense* Paramesh et al. F. *Asystasia mysorensis* (Roth) T. Anderson. G. *Chrysopogon serrulatus* Trin. H. *Exacum tetragonum* Roxb. I. *Habenaria multicaudata* Sedgw. J. *Habenaria gibsonii* var. *foetida* Blatt. & McCann. K. *Impatiens rosea* Lindl. L. *Ipomoea biflora* (L.) Pers. M. *Ipomoea parasitica* (Kunth) G. Don.



6. Forest authorities should use both in situ and ex situ conservation measures to protect medicinal, rare, and endangered plants found in the study region.
7. The awareness is to be created about importance of the area among the tourists, pilgrims, local people and students by displaying boards and through pamphlets, paper and print media.
8. Participation and involvement of scientific communities, colleges, universities, non-government organizations towards conservation with support of forest department is to be encouraged.

CONCLUSION

The present study on angiosperm plant wealth of Ananthagiri Hills of Vikarabad District in Telangana yielded significant results. A total of 626 plant taxa were documented belonging to 386 genera and 90 families. The dominant family is *Fabaceae* with 101 taxa indicating that the soil is enriched with nitrogen. Many Taxa have use values like medicinal (179), economically important (45), wild edible (71), wild ornamental (145), fodder (81), miscellaneous (224). A good number of rare and endemic plant taxa are listed from the vicinity indicating that there is an urgent need to conserve the plant resources of Ananthagiri Hills.

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