

A SURVEY ON THE FLORAL DIVERSITY OF RURAL AREAS IN UDUMALPET TALUK, TIRUPPUR DISTRICT, TAMIL NADU, INDIA

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Abstract

Survey on the floral diversity is an important activity to assess the existing flora. This study was carried out from December 2017 to December 2018 to document the flora existing in the Udumalpet Taluk, Tiruppur District, Tamil Nadu, India. As a result, a total of 370 taxa belonging to 263 genera of 82 angiosperm families have been documented. 52% of species of them are herbaceous. Euphorbiaceae and Fabaceae with 23 taxa each, Asteraceae with 21 species, Acanthaceae with 20 species and Amaranthaceae with 18 species are observed as the dominant families. In this article, family, botanical name, habit, vernacular name and various applications of the recorded plants are enumerated systematically. Threats to these plants and possible conservation strategies are also discussed briefly.

Introduction

Flora of a region is considered as an essential part of the environment that determines the wealth of ecosystem and human health (Sandifer *et al.*, 2015). It is highly recommended that, proper utilization of plant resources of a country, state, district, small areas like taluks and villages, has been helpful to maintain the availability and richness of the flora (Gurusamy *et al.*, 2016; Sarvalingam and Rajendran, 2018). Documentation on the flora of rural areas are comparatively less than the checklists of flora on the particular hills, green patches, reserve forests, uphill or otherwise focused on particular group of plants or genus of the family etc. (Singh, 1982; Sinha, 2005; Sukumaran *et al.*, 2008; Mantosh 2013; Vijay and Ashok, 2013; Ganorkar and Kshirsagar, 2013; Kumar and Ritesh, 2014; Anuradha and Murugandam, 2016; Parthipan *et al.*, 2016; Savita and Sanjaykumar, 2017).

Udumalpet Taluk was previously included in the Coimbatore district, after the bifurcation on 2008, it came under newly formed Tiruppur district. Floristic survey of this area was previously done by different researchers mainly on Anamalai Reserve Forests and its nearby reserve forests, green patches and hillocks coming under this Taluk. However, Thirumoorthy and Amaravathi dams flora was not done extensively (Shankaranarayanan and Gupta, 1959; Balasubramanian *et al.*, 1997; Ramachandran, 2007; George *et al.*, 2011; Rasingam, 2012; Ramachandran *et al.*, 2014; Murugeswaran *et al.*, 2014; Rajendran *et al.*, 2014; Sridharan and Kalpana, 2017). Since the inhabitants of these areas still rely on plants for medicinal, edible and other commercial/miscellaneous uses, the present work focused to explore the flora existing in the rural areas of Udumalpet Taluk by conducting frequent field surveys and assess its conservation status.

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Materials and Methods

Udumalpet Taluk of Tiruppur District, Tamil Nadu (India) lies between 10°24' 23"N latitude and 77°24' 45"E longitude. The average altitude of the study area is 368 m. Annual temperature varies from an average of 20°C and 38°C and the average annual rainfall is 480 to 600 mm. Total population of the Udumalpet Taluk is 1,29,117 of which 64,600 are male and 64,517 are female from 46 villages. Banana, Coconut, Maize, yellow Pumpkin are the main crops cultivated in the study area.

This area is surrounded by a part of Anamalai hills and two major reservoirs namely, Thirumoorthy Dam and Amaravathi Dam, a part of Indira Gandhi Wildlife Sanctuary and National Park (now Anamalai Tiger Reserve) of Western Ghats crossing Tamil Nadu. Floristic survey of this region was previously done by different researchers mainly on Anamalai Reserve Forests and its nearby reserve forests. No records are found in the Rural floras (George *et al.*, 2011; Rasingam, 2012; Murugeswaran *et al.*, 2014; Rajendran *et al.*, 2014; Sridharan and Kalpana, 2017).

For this study, frequent field explorations were conducted from December 2017 to December 2018 to document the flora existing in the different habitats in the rural areas of Udumalpet Taluk. Specimens were collected in triplicate and identified using various flora (Gamble and Fischer, 1915-1936; Nair and Henry, 1983; Henry *et al.*, 1987, 1989; Chandrabose and Nair, 1987; Matthew, 1981-1983, 1991). The botanical name and vernacular name were verified using reputed websites such as The Plant List (2013), FRLHT etc. The collected plant specimens were processed for herbarium as per the standard herbarium methods (Jain and Rao, 1977) and deposited in the herbaria of Siddha Clinical Research Unit, Palayamkottai for future reference.

Results and Discussion

A total of 370 taxa belonging to 263 genera spreading over 82 families of Angiosperms along with some species of Pteridophytes such as *Selaginella wightii* Hieron., *Marsilea quadrifolia* L., *Actinopteris radiata* (J. Koenig *ex* Sw.) Link, *Azolla* sp. etc., bryophytes such as *Marchantia* sp., *Funaria* sp. and a few fungus were documented. In Dicotyledons, the sub-class Polypetalae comprises 38 families of 103 genera with 147 species, Gamopetalae 18 families of 99 genera and 134 species, and Monochlamydeae 14 families of 36 genera 63 species, whereas Monocotyledon 12 families of 25 genera with 26 species (Table 1). Each taxon is enumerated with botanical name, family, habit, vernacular name and economic importance such as medicine, edible, ornamental and timber yielding plants (Table 2).

Euphorbiaceae and Fabaceae are dominant with 23 species each followed by Asteraceae (21 species), Acanthaceae (20 species), Amaranthaceae (18 species), Caesalpiniaceae (16 species), Solanaceae (15 species), Malvaceae (13 species), Cucurbitaceae and Mimosaceae (12 species each), Verbenaceae and Lamiaceae (10 species each) and rest of the families comprise less than ten species each (Fig. 1). The habit of the species recorded from the study area is broadly classified under four categories *viz.*, herbs, shrubs, climbers and trees. Herbs constitute the major portion with 196 species (53%) followed by trees with 82 species (22%), shrubs with 53 (15%) and climbers with 38 species (10%). The tree species such as, *Adenanthera pavonina* L., *Alstonia scholaris* (L.) R.Br., *Ailanthus excelsa* Roxb., *Crateva adansonii* DC., *Dalbergia sissoo* Roxb., *Delonix elata* (L.) Gamble, *Delonix regia* (Boj. *ex* Hook) Rafin., *Lannea coromandelica* (Houtt.) Merr., *Millingtonia hortensis* L.f., *Azadirachta indica* A. Juss., *Muntingia calabura* L., *Pongamia pinnata* (L.) Pierre, *Spathodea campanulata* Beauv., *Tamarindus indica* L., *Tectona grandis* L.f., *Terminalia arjuna* (Roxb.) Wight & Arn., *Terminalia catappa* L., and *Thespesia populnea* (L.) Soland *ex* Correa are recorded from the roadsides/highways. Some of the common species recorded in the study area were given in the Figs 2 and 3.

Amongst the recorded plants, 332 (75.11%) species are medicinal, 48 (10.85%) species are edible, 30 (6.78%) species are timber yielding, and 27 species (6.10%) are ornamentals. Five species are useful in miscellaneous purposes (1.13%). The common seasonal herbs of annuals, biennials, climbers and aquatic species are flourished in the studied area that has been used as medicine for common ailments. However, some interesting species such as *Caralluma umbellata* Haw., *Cymbopogon citratus* (DC.) Stapf., *Dodonaea viscosa* (L.) Jacq. and *Euphorbia antiquorum* L. etc., are found to be dominant along with the other medicinal plants in the small hillocks like Perumalmalai, Thamburanmalai and Perumalpuhur hills.

Species like *Ammania baccifera* L., *Bacopa monnieri* (L.) Pennell, *Centella asiatica* (L.) Urban, *Colocasia esculenta* (L.) Schott, *Commelina benghalensis* L., *Cyanotis axillaris* (L.) D. Don, *Eichhornia crassipes* (Mart.) Solms-Laub., *Pistia stratiotes* L., *Sphaeranthus amaranthoides* Burm.f. and *Sphaeranthus indicus* L. are recorded from the wetlands. *Dendrophthoe falcata* (L.f.) Etting. a stem parasite, *Striga asiatica* (L.) Kuntze and *Santalum album* L., the root parasites are also found in the study area. *Strobilanthes consanguineus* (Nees) T. Anders. is an endemic species of the Southern Western Ghats (Sasidharan, 2004). *Santalum album* L. (Santalaceae) is recorded as rare during the study period (IUCN, 2018). *Eichhornia crassipes* (Mart.) Solms-Laub., *Lantana camara* L. var. *aculeata* (L.) Mold., *Mikania cordata* (Burm.f.) B.L.Rob. and *Parthenium hysterophorus* L. are the exotics species spreading vigorously in the natural habitations and cultivation fields that compete with other important taxa.

Table 1. Numerical representation of the flora of Udumalpet Taluk, Tiruppur District.

Class	Sub-class	No. of species	No. of genera	No. of families
Dicotyledons	Polypetalae	147	103	38
	Gamopetalae	134	99	18
	Monochlamydeae	63	36	14
Monocotyledons	-	26	25	12
Total		370	263	82

Table 2. List of plants recorded from the study area.

Sl. no.	Botanical name	Family	Habit	Vernacular name	Economic value
1.	<i>Abrus precatorius</i> L.	Fabaceae	Cl	Kuntumani	M
2.	<i>Abutilon crispum</i> (L.) Medicus	Malvaceae	H	Siruthuthi	-
3.	<i>Abutilon hirtum</i> (Lam.) Sweet	Malvaceae	S	Vattathuthi	M
4.	<i>Abutilon indicum</i> (L.) Sweet	Malvaceae	S	Thuthi	M
5.	<i>Acacia horrida</i> (L.f.) Willd.	Mimosaceae	T	Anaimullu	-
6.	<i>Acacia leucophloea</i> (Roxb.) Willd.	Mimosaceae	T	Velvelam	M/Ti
7.	<i>Acacia nilotica</i> (L.) Willd. ex Del. subsp. <i>indica</i> (Benth) Brenan	Mimosaceae	T	Karuvelam	M/Ti
8.	<i>Acacia planifrons</i> Wight & Arn.	Mimosaceae	T	Kodaivelam	M /Ti
9.	<i>Acalypha fruticosa</i> Forssk.	Euphorbiaceae	H	Sinni	M
10.	<i>Acalypha indica</i> L.	Euphorbiaceae	H	Kuppaimeni	M
11.	<i>Acalypha racemosa</i> Heyne ex Baill.	Euphorbiaceae	H	Orvisakarappan	M
12.	<i>Acanthospermum hispidum</i> DC.	Asteraceae	H	Mutthulasi	M

13.	<i>Achyranthes aspera</i> L.	Amaranthaceae	H	Nayurivi	M
14.	<i>Achyranthes bidentata</i> Blume	Amaranthaceae	H	Sennaiyuruvi	M
15.	<i>Adenantha pavonina</i> L.	Mimosaceae	T	Aanai Kundumani	M
16.	<i>Aegle marmelos</i> (L.) Correa	Rutaceae	T	Vilvam	M
17.	<i>Aerva javanica</i> (Burm.f.) Juss. <i>ex</i> Schultes	Amaranthaceae	H	Perumpeelai	M
18.	<i>Aerva lanata</i> (L.) Juss. <i>ex</i> Schultes	Amaranthaceae	H	Sirupeelai	M
19.	<i>Agave americana</i> L.	Agavaceae	S	Kathazhai	M/O
20.	<i>Ageratum conyzoides</i> L.	Asteraceae	H	Pumpillu	M
21.	<i>Ailanthus excelsa</i> Roxb.	Simaroubaceae	T	Perumaram	M/Ti
22.	<i>Albizia amara</i> (Roxb.) Boivin	Mimosaceae	T	Arappu	M
23.	<i>Albizia lebbeck</i> (L.) Willd.	Mimosaceae	T	Vagai	M/Ti
24.	<i>Albizia saman</i> (Jacq.) F.v. Muell.	Mimosaceae	T	Thoongu moonji	M/Ti
25.	<i>Allamanda cathartica</i> L.	Apocynaceae	Cl	Manjal-patti	M/O
26.	<i>Allmania nodiflora</i> (L.) R. Br. <i>ex</i> Wight	Amaranthaceae	H	Kummatikeerai	M/E
27.	<i>Aloe vera</i> (L.) Burm.f.	Liliaceae	H	Chotthukathazhai	M
28.	<i>Alstonia scholaris</i> (L.) R.Br.	Apocynaceae	T	Yezhilai paalai	M
29.	<i>Alternanthera philoxeroides</i> (C. Martiu) Griseb.	Amaranthaceae	H	-	M/E
30.	<i>Alternanthera pungens</i> Kunth	Amaranthaceae	H	Adai otti	M
31.	<i>Alternanthera sessilis</i> (L.) R.Br. <i>ex</i> DC.	Amaranthaceae	H	Ponnanganni	M/E
32.	<i>Alternanthera tenella</i> Colla.	Amaranthaceae	H	-	M/E
33.	<i>Alysicarpus glumaceus</i> (Vahl) DC.	Fabaceae	H	-	M
34.	<i>Alysicarpus vaginalis</i> (L.) DC.	Fabaceae	H	Kuruthiadakki	M
35.	<i>Amaranthus polygonoides</i> L.	Amaranthaceae	H	Sirukeerai	E
36.	<i>Amaranthus spinosus</i> L.	Amaranthaceae	H	Mullukkeerai	M/E
37.	<i>Amaranthus tricolor</i> L.	Amaranthaceae	H	Thandukeerai	M/E
38.	<i>Amaranthus viridis</i> L.	Amaranthaceae	H	Kupaikerai	E
39.	<i>Ammania baccifera</i> L.	Lythraceae	H	Neermel-neruppu	M
40.	<i>Anaphalis subdecurrens</i> (DC.) Gamble	Asteraceae	H	-	-
41.	<i>Andrographis echinoides</i> Nees	Acanthaceae	H	Gopuram thaangi	M
42.	<i>Andrographis paniculata</i> (Burm.f.) Wall. <i>ex</i> Nees	Acanthaceae	H	Siriyangai	M
43.	<i>Anisochilus carnosus</i> (L.f.) Wall. <i>ex</i> Benth.	Lamiaceae	H	Poochenthira pattai	M
44.	<i>Anisomeles malabarica</i> (L.) R. Br. <i>ex</i> Sims	Lamiaceae	H	Peimiratti	M
45.	<i>Annona squamosa</i> L.	Annonaceae	T	Seetha	E
46.	<i>Antigonon leptopus</i> Hook. & Arn.	Polygonaceae	Cl	Kodi rose	O
47.	<i>Argemone mexicana</i> L.	Papaveraceae	H	Bramathandu	M
48.	<i>Aristolochia bracteolata</i> Lam.	Aristolochiaceae	H	Aduthinnappalai	M
49.	<i>Aristolochia indica</i> L.	Aristolochiaceae	Cl	Esuramooli	M
50.	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	T	Palamaram	E/Ti
51.	<i>Arundo donax</i> L.	Poaceae	H	Southai moongil	O
52.	<i>Asparagus racemosus</i> Willd.	Liliaceae	H	Thaneer vitaan kizhangu	M
53.	<i>Asystasia gangetica</i> (L.) T. And.	Acanthaceae	H	Silathinayagam	M
54.	<i>Azadirachta indica</i> A. Juss.	Meliaceae	T	Vembu	M/Ti

55.	<i>Azima tetracantha</i> Lam.	Salvadoraceae	S	Mulsangu	M
56.	<i>Bacopa monnieri</i> (L.) Pennell	Scrophulariaceae	H	Neerbrahmi	M
57.	<i>Barleria acuminata</i> Nees	Acanthaceae	H	Vellai kurinji	M
58.	<i>Barleria buxifolia</i> L.	Acanthaceae	S	Chunampu korandi	M
59.	<i>Barleria cuspidata</i> Heyne ex Nees	Acanthaceae	H	Manjal semmuli	M
60.	<i>Barleria prionitis</i> L.	Acanthaceae	H	Chemmulli	M
61.	<i>Basella rubra</i> L.	Basellaceae	H	Pasalai Keerai	M/E
62.	<i>Bauhinia racemosa</i> Lam.	Caesalpiniaceae	T	Aathi	M/Ti
63.	<i>Bauhinia tomentosa</i> L.	Caesalpiniaceae	T	Iruvatchi	M
64.	<i>Benkara malabarica</i> (Lam.) Tirvengadam	Rubiaceae	T	Matukkarai	M
65.	<i>Blainvillea acmella</i> (L.) Philipson	Asteraceae	H	-	M
66.	<i>Blepharis maderaspatensis</i> (L.) Heyne ex Roth	Acanthaceae	H	Nethira moolli	M
67.	<i>Blepharis molluginifolia</i> Pers.	Acanthaceae	H	-	M
68.	<i>Boerhavia chinensis</i> (L.) Asch. & Schweinf.	Nyctaginaceae	H	Sambal poondu	M
69.	<i>Boerhavia diffusa</i> L.	Nyctaginaceae	H	Mookarattai	M
70.	<i>Boerhavia erecta</i> L.	Nyctaginaceae	H	Seemai mookarattai	M
71.	<i>Borassus flabellifer</i> L.	Arecaceae	T	Panamaram	M/E/Ti
72.	<i>Bougainvillea glabra</i> Choisy	Nyctaginaceae	S	Kaagitha poo	O
73.	<i>Brassica juncea</i> (L.) Czern. & Coss.	Apiaceae	H	Kadugu	M/E
74.	<i>Byttneria herbacea</i> Roxb.	Sterculiaceae	H	-	M
75.	<i>Caesalpinia bonduc</i> (L.) Roxb.	Caesalpiniaceae	S	Kazharchikaaai	M
76.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Caesalpiniaceae	S	Mayil kondrai	M/O
77.	<i>Calotropis gigantea</i> (L.) R.Br.	Asclepiadaceae	S	Erukku	M
78.	<i>Calotropis procera</i> (Ait.) R.Br.	Asclepiadaceae	S	Vellerukku	M
79.	<i>Canthium coromandelicum</i> (Burm. f.) Alston	Rubiaceae	S	Kaaraichedi	M
80.	<i>Capparis divaricata</i> Lam.	Capparidiaceae	S	Thoratti	M
81.	<i>Capparis separia</i> L.	Capparidaceae	S	Karunjurai	M
82.	<i>Capparis zeylanica</i> L.	Capparidaceae	S	Athondai	M
83.	<i>Capsicum annuum</i> L.	Solanaceae	H	Milagai	M/E
84.	<i>Caralluma adscendens</i> (Roxb.) Haw.	Asclepiadaceae	H	Kallimulayan	M
85.	<i>Caralluma umbellata</i> Haw.	Asclepiadaceae	H	Yaanaai Kallimuliyaan	M
86.	<i>Cardiospermum canescens</i> Wall.	Sapindaceae	Cl	Kaattu mudakkaruthaan	M
87.	<i>Cardiospermum halicacabum</i> L.	Sapindaceae	Cl	Mudakotthan	M
88.	<i>Carica papaya</i> L.	Caricaceae	T	Pappali	M/E
89.	<i>Caryota urens</i> L.	Arecaceae	T	Koonthalpanai	M/O
90.	<i>Cassia auriculata</i> L.	Caesalpiniaceae	S	Avaram	M
91.	<i>Cassia hirsuta</i> (L.) Irwin & Barneby	Caesalpiniaceae	H	Malaiyavarai	M
92.	<i>Cassia italica</i> Mill.	Caesalpiniaceae	H	Nilvagai	M
93.	<i>Cassia roxburghii</i> DC.	Caesalpiniaceae	T	Senkondrai	O
94.	<i>Catharanthus pusillus</i> (Murr.) G.Don	Apocynaceae	H	Milagai poondu	M
95.	<i>Catharanthus roseus</i> (L.) G.Don	Apocynaceae	H	Nithyakalyani	M/O
96.	<i>Ceiba pentandra</i> (L.) Gaertn.	Bombacaceae	T	Ilavam	M
97.	<i>Celosia argentea</i> L.	Amaranthaceae	H	Pannaikerai	M/E

98.	<i>Centella asiatica</i> (L.) Urban	Apiaceae	H	Vallarai	M/E
99.	<i>Cereus pterogonus</i> Lem.	Cactaceae	S	Sippaikalli	-
100.	<i>Ceropegia juncea</i> Roxb.	Asclepiadaceae	Cl	Pulichakodi	M
101.	<i>Chamaecrista absus</i> (L.) H. Irwin & Barneby	Caesalpiniaceae	H	Mulaipalyirai	M
102.	<i>Chenopodium ambrosioides</i> L.	Chenopodiaceae	H	Mannenaikolai	M
103.	<i>Chloris barbata</i> Sw.	Poaceae	H	Kodai pillu	M
104.	<i>Chromolaena odorata</i> (L.) King & Robinson	Asteraceae	S	-	M
105.	<i>Cissus quadrangularis</i> L.	Vitaceae	Cl	Pirandai	M/E
106.	<i>Citrullus colocynthis</i> (L.) Schrader	Cucurbitaceae	H	Peikkumatti	M
107.	<i>Citrullus lanatus</i> (Thunb.) Matsumura & Nakai	Cucurbitaceae	Cl	Kattu thannipalam	M
108.	<i>Citrus limon</i> (L.) Burm.f.	Rutaceae	T	Elumichai	M/E
109.	<i>Citrus medica</i> L.	Rutaceae	T	Narathai	M/E
110.	<i>Cleome gynandra</i> L.	Capparidaceae	H	Nalvaelai	M
111.	<i>Cleome monophylla</i> L.	Capparidaceae	H	Ucivaelai	M
112.	<i>Cleome viscosa</i> L.	Capparidaceae	H	Nai kadugu	M
113.	<i>Clerodendrum phlomidis</i> L.f.	Verbenaceae	S	Thazhuthaazhai	M
114.	<i>Clitoria ternatea</i> L.	Fabaceae	Cl	Sangu poo	M/O
115.	<i>Coccinia grandis</i> (L.) Voigt	Cucurbitaceae	Cl	Kovai	M/E
116.	<i>Cocculus hirsutus</i> (L.) Diels	Menispermaceae	Cl	Kattukodi	M
117.	<i>Cocos nucifera</i> L.	Arecaceae	T	Thenneimaram	M/E/Ti
118.	<i>Coldenia procumbens</i> L.	Boraginaceae	H	Seruppada	M
119.	<i>Colocasia esculenta</i> (L.) Schott	Araceae	H	Saeppan kizhangu	E
120.	<i>Commelina benghalensis</i> L.	Commelinaceae	H	Kanavazhai	E
121.	<i>Commelina diffusa</i> Burm	Commelinaceae	H	-	M
122.	<i>Commiphora berryi</i> (Arn.) Engler	Burseraceae	T	Mullu kiluvai	M
123.	<i>Corallocarpus epigaeus</i> (Rottl. & Willd.) Clarke	Cucurbitaceae	Cl	Garudan kizhangu	M
124.	<i>Corchorus trilocularis</i> L.	Tiliaceae	H	Vazhukkai poondu	M
125.	<i>Cordia sebestena</i> L.	Boraginaceae	T	-	M/O
126.	<i>Coriandrum sativum</i> L.	Apiaceae	H	Kothamalli	M/E
127.	<i>Couropita guianensis</i> Aubl.	Lecythidaceae	T	Nagalingam	M
128.	<i>Crateva adansonii</i> DC.	Capparidaceae	T	Mavilingam	M/Ti
129.	<i>Crinum asiaticum</i> L.	Amaryllidaceae	H	Vishamoongil	M
130.	<i>Crossandra infundibuliformis</i> (L.) Nees	Acanthaceae	H	Kanakambaram	M/O
131.	<i>Crotalaria globosa</i> Wight & Arn.	Fabaceae	H	-	-
132.	<i>Crotalaria pallida</i> Dryand.	Fabaceae	H	-	M
133.	<i>Crotalaria pallida</i> Dryand. var. <i>obovata</i> (G.Don) Polhill	Fabaceae	H	-	-
134.	<i>Crotalaria verrucosa</i> L.	Fabaceae	H	Kilukilupai	M/O
135.	<i>Croton bonplandianum</i> Baill.	Euphorbiaceae	H	Rail poondu	M
136.	<i>Ctenolepis garcinii</i> (Burm.f.) Clarke	Cucurbitaceae	Cl	Kollankovai	M
137.	<i>Cucumis dipsaceus</i> Ehrenb. ex Spach.	Cucurbitaceae	Cl	-	M

138.	<i>Cucurbita maxima</i> Duchesne ex Lam.	Cucurbitaceae	Cl	Parangikaai	M
139.	<i>Cuscuta reflexa</i> Lam.	Convolvulaceae	Cl	Ammaiyar kuntal	M
140.	<i>Cyanotis axillaris</i> (L.) D. Don	Commelinaceae	H	Valukkai pullu	M
141.	<i>Cylindropuntia ramosissima</i> (Engler) Knuth	Cactaceae	S	Uruttai Chapathikalli	Mis.
142.	<i>Cymbopogon citratus</i> (DC.) Stapf	Poaceae	H	Vasana pullu	M
143.	<i>Cynodon dactylon</i> (L.) Pers.	Poaceae	H	Arugam pullu	M
144.	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Poaceae	H	Aricipul	M
145.	<i>Dalbergia sissoo</i> Roxb.	Fabaceae	T	Sisu	M/Ti
146.	<i>Datura innoxia</i> Mill.	Solanaceae	H	Oomatthai	M
147.	<i>Datura metel</i> L.	Solanaceae	H	Karu Oomatthai	M
148.	<i>Delonix elata</i> (L.) Gamble	Caesalpinaceae	T	Vaadhanarayanan	M
149.	<i>Delonix regia</i> (Boj. ex Hook) Rafin.	Caesalpinaceae	T	Mayil Kondrai	M/Ti
150.	<i>Dendrophthoe falcata</i> (L.f.) Etting.	Loranthaceae	S	Pulluruvi	M
151.	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Mimosaceae	T	Vidathazhai	M/Ti
152.	<i>Dicoma tomentosa</i> Cass.	Asteraceae	H	-	M
153.	<i>Diplocyclos palmatus</i> (L.) Jeffrey	Cucurbitaceae	Cl	Iyvrali	M
154.	<i>Dipteracanthus prostratus</i> (Poir.) Nees	Acanthaceae	H	Pottakanchi	M
155.	<i>Dodonaea viscosa</i> (L.) Jacq.	Sapindaceae	S	Viraali	M
156.	<i>Dolichandrone atrovirens</i> (Heyne ex Roth) Sprague	Bignoniaceae	T	-	M/O
157.	<i>Echinochloa colona</i> (L.) Link	Poaceae	H	Karumpullu	M
158.	<i>Eclipta prostrata</i> (L.) L.	Asteraceae	H	Vellai karisalankanni	M
159.	<i>Eichhornia crassipes</i> (Mart.) Solms-Laub.	Pontederiaceae	H	Vengaaya thamarai	M
160.	<i>Enicostema axillare</i> (Lam.) Raynal	Gentianaceae	H	Vellaragu	M
161.	<i>Eragrostiella bifaria</i> (Vahl) Bor	Poaceae	H	Oothupul	Mis.
162.	<i>Eragrostis unioides</i> (Retz.) Nees ex Steud.	Poaceae	H	-	-
163.	<i>Euphorbia antiquorum</i> L.	Euphorbiaceae	S	Sadura-kalli	M
164.	<i>Euphorbia cyathophora</i> Murr.	Euphorbiaceae	H	Poinsettia	O
165.	<i>Euphorbia heterophylla</i> L.	Euphorbiaceae	H	Paal poondu chedi	E
166.	<i>Euphorbia hirta</i> L.	Euphorbiaceae	H	Ammanpacharisi	M
167.	<i>Euphorbia thymifolia</i> L.	Euphorbiaceae	H	Sitrapaladai	M
168.	<i>Euphorbia tirucalli</i> L.	Euphorbiaceae	S	Tiru-kalli	M/O
169.	<i>Euphorbia tortilis</i> Rottl.	Euphorbiaceae	S	Thirugukalli	M
170.	<i>Evolvulus alsinoides</i> (L.)L	Convolvulaceae	H	Vishnukarandi	M
171.	<i>Ficus auriculata</i> Lour.	Moraceae	T	-	M/O
172.	<i>Ficus benghalensis</i> L.	Moraceae	T	Aal	M
173.	<i>Ficus religiosa</i> L.	Moraceae	T	Arasamaram	M/Ti
174.	<i>Glinus lotoides</i> L.	Aizoaceae	H	Siruseruppadai	M
175.	<i>Glinus oppositifolius</i> (L.) A. DC.	Aizoaceae	H	Katchanthura	M
176.	<i>Gmelina arborea</i> Roxb.	Verbenaceae	T	Kumizha maram	M/O
177.	<i>Gmelina asiatica</i> L.	Verbenaceae	T	Nilakkumizh	M
178.	<i>Gomphrena celosioides</i> C. Martius	Amaranthaceae	H	Neer vadamalli	E
179.	<i>Gomphrena globosa</i> L.	Amaranthaceae	H	Vaadamalli	M/O
180.	<i>Gyrocarpus americanus</i> Willd.	Hernandiaceae	T	Thanakku	Ti

181.	<i>Hamelia patens</i> Jacq.	Rubiaceae	S	-	M/O/E
182.	<i>Hardwickia binata</i> Roxb.	Caesalpinaceae	T	Acha maram	O/Ti
183.	<i>Heliotropium indicum</i> L.	Boraginaceae	H	Thael kodukku	M
184.	<i>Heliotropium scabrum</i> Retz.	Boraginaceae	H	-	-
185.	<i>Hemidesmus indicus</i> (L.) R.Br.	Asclepiadaceae	Cl	Nannaari	M/E
186.	<i>Hibiscus lobatus</i> (Murr.) Kuntze	Malvaceae	H	-	-
187.	<i>Hibiscus micranthus</i> L.f.	Malvaceae	H	Sitraamutti	M
188.	<i>Hibiscus vitifolius</i> L.	Malvaceae	S	Siru thutthi	M
189.	<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Ulmaceae	T	Aya	Ti
190.	<i>Homonoia riparia</i> Lour.	Euphorbiaceae	S	Kallarali	M
191.	<i>Hybanthus enneaspermus</i> (L.) F. V. Muell.	Violaceae	H	Oridhal thamarai	M
192.	<i>Hygrophila schulli</i> (Hamilt.) M.R.Almeida & S.M. Almeida	Acanthaceae	H	Neermulli	M
193.	<i>Hyptis suaveolens</i> (L.) Poit.	Lamiaceae	H	Kanathulasi	M
194.	<i>Imperata cylindrica</i> (L.) Raeusch.	Poaceae	H	Dharbai pullu	M
195.	<i>Indigofera linnaei</i> Ali	Fabaceae	H	Cheppunerunjil	M
196.	<i>Indigofera longiracemosa</i> Boiv.	Fabaceae	H	-	-
197.	<i>Indigofera tinctoria</i> L.	Fabaceae	H	Avuri	M
198.	<i>Ipomoea carnea</i> Jacq.	Convolvulaceae	S	Velikaththan	M
199.	<i>Ipomoea hederifolia</i> L.	Convolvulaceae	Cl	Kanavalikkodi	M
200.	<i>Ipomoea obscura</i> (L.) Ker-Gawl.	Convolvulaceae	Cl	Siru thali	M
201.	<i>Ipomoea sepiaria</i> Koen.	Convolvulaceae	Cl	Talikeerai	M
202.	<i>Ipomoea staphylina</i> Roem. & Schultes	Convolvulaceae	Cl	Onaan kodi	M
203.	<i>Ixora coccinea</i> L.	Rubiaceae	S	Vetchi	M
204.	<i>Jatropha curcas</i> L.	Euphorbiaceae	S	Kaatu-amanakku	M
205.	<i>Jatropha glandulifera</i> Roxb.	Euphorbiaceae	S	Vellai adalai	M
206.	<i>Jatropha gossypifolia</i> L.	Euphorbiaceae	S	Kaatu-amanakku	M
207.	<i>Justicia adhatoda</i> L.	Acanthaceae	S	Adathodai	M
208.	<i>Justicia tranquebariensis</i> L.f.	Acanthaceae	H	Thavasi murungai	M
209.	<i>Kedrostis foetidissima</i> (Jacq.) Cogn.	Cucurbitaceae	Cl	Appakovai	M
210.	<i>Kylinga bulbosa</i> P. Beauv.	Cyperaceae	H	-	M
211.	<i>Lablab purpureus</i> (L.) Sweet	Fabaceae	Cl	Avarai	E
212.	<i>Lanea coromandelica</i> (Houtt.) Merr.	Anacardiaceae	T	Odhiya maram	M/Ti
213.	<i>Lantana camara</i> L. var. <i>aculeata</i> (L.) Mold.	Verbenaceae	S	Unnichedi	M
214.	<i>Lantana camera</i> L.	Verbenaceae	S	Unnichedi	M
215.	<i>Lawsonia inermis</i> L.	Lythraceae	S	Marudhaani	M
216.	<i>Leonotis nepetiifolia</i> (L.) R.Br.	Lamiaceae	H	Murandai	M
217.	<i>Lepidagathis fasciculata</i> (Retz.) Nees	Acanthaceae	H	-	-
218.	<i>Lepidagathis pungens</i> Nees	Acanthaceae	H	Parkurandi	M
219.	<i>Lepidagathis scariosa</i> Nees	Acanthaceae	H	Sadaikurandi	M
220.	<i>Leucaena leucocephala</i> (L.) Gills	Mimosaceae	T	Soundil	Mis
221.	<i>Leucas aspera</i> (Willd.) Link	Lamiaceae	H	Thumbai	M
222.	<i>Ludwigia perennis</i> L.	Onagraceae	H	Musalkathilai	M
223.	<i>Ludwigia peruviana</i> (L.) Hara	Onagraceae	S	-	M
224.	<i>Luffa cylindrica</i> (L.) M.Roem.	Cucurbitaceae	Cl	Mozhukupirkanakai	M
225.	<i>Mangifera indica</i> L.	Anacardiaceae	T	Maa maram	M/E

226.	<i>Martynia annua</i> L.	Pedaliaceae	H	Thael Kodukku	M
227.	<i>Melochia corchorifolia</i> L.	Sterculiaceae	H	Punnakku poondu	M
228.	<i>Merremia tridentata</i> (L.) Hall.f.	Convolvulaceae	H	Avvaiyar koondhal	M
229.	<i>Microstachys chamaelea</i> (L.) Muell.-Arg.	Euphorbiaceae	H	Kuruvikachedi	-
230.	<i>Mikania cordata</i> (Burm.f.) B.L.Rob.	Asteraceae	Cl	-	M
231.	<i>Millingtonia hortensis</i> L.f.	Bignoniaceae	T	Maramalli	M/O
232.	<i>Mimosa pudica</i> L.	Mimosaceae	H	Thotal surungi	M
233.	<i>Mimusops elengi</i> L.	Sapotaceae	T	Mahilam	M/O
234.	<i>Mirabilis jalapa</i> L.	Nyctaginiaceae	H	Pattaraschu	M/O
235.	<i>Mitracarpus villosus</i> (Sw.) DC.	Rubiaceae	H	-	M
236.	<i>Mollugo nudicaulis</i> Lam.	Aizoaceae	H	Kuthiraipoondu	M
237.	<i>Momordica charantia</i> L.	Cucurbitaceae	Cl	Pavakaai	M
238.	<i>Morinda coreia</i> Buch.-Ham	Rubiaceae	T	Manjanati	M
239.	<i>Moringa concanensis</i> Nimmo ex Gibs.	Moringaceae	T	Kattumurungai	M
240.	<i>Moringa oleifera</i> Lam.	Moringaceae	T	Murungai	M/E
241.	<i>Mucuna pruriens</i> (L.) DC.	Fabaceae	Cl	Poonaikaali	M
242.	<i>Mukia maderaspatana</i> (L.) M. Roem.	Cucurbitaceae	Cl	Musumusukkai	M
243.	<i>Mundulea sericea</i> (Willd.) A. Cheval	Fabaceae	T	Pilavaram	M
244.	<i>Muntingia calabura</i> L.	Elaeocarpaceae	T	Thenpazham	M
245.	<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae	T	Kariveppilai	M
246.	<i>Musa paradisiaca</i> L.	Musaceae	H	Vaazhai	M/E
247.	<i>Nicandra physalodes</i> (L.) Gaertn.	Solanaceae	H	Sudakku thakazhi	M
248.	<i>Nothosaerva brachiata</i> (L.) Wight	Amaranthaceae	H	Sirupeelai chakkalathi	M
249.	<i>Nyctanthes arbor-tristis</i> L.	Nyctanthaceae	T	Parijaatham	M/O
250.	<i>Ocimum americanum</i> L.	Lamiaceae	H	Nai thulasi	M
251.	<i>Ocimum basilicum</i> L.	Lamiaceae	H	Thiruneetrapatchai	M
252.	<i>Ocimum gratissimum</i> L.	Lamiaceae	H	Elumicha tulasi	M
253.	<i>Ocimum tenuiflorum</i> L.	Lamiaceae	H	Thulasi	M
254.	<i>Oldenlandia umbellata</i> L.	Rubiaceae	H	Impural	M
255.	<i>Opuntia stricta</i> (Haw.) Haw.	Cactaceae	H	Chappathikkalli	M
256.	<i>Opuntia vulgaris</i> Mill.	Cactaceae	H	Chappathikkalli	M
257.	<i>Ottelia alismoides</i> (L.) Pers.	Hydrocharitaceae	H	Neerkuliri	M
258.	<i>Oxalis corniculata</i> L.	Oxalidaceae	H	Puliyarai	M
259.	<i>Parkinsonia aculeata</i> L.	Caesalpiniaceae	T	Parankivelamaram	M
260.	<i>Parthenium hysterophorus</i> L.	Asteraceae	H	Vishapullu	M/Mis
261.	<i>Passiflora foetida</i> L.	Passifloraceae	Cl	Siruppunaikali	M
262.	<i>Pavonia procumbens</i> (Wall ex. Wight & Arn.) Walp.	Malvaceae	S	-	M
263.	<i>Pavonia zeylanica</i> (L.) Cav.	Malvaceae	H	Sitramuttti	M
264.	<i>Pedaliium murex</i> L.	Pedaliaceae	H	Yanai nerunji	M
265.	<i>Pedilanthus tithymaloides</i> (L.) Poir.	Euphorbiaceae	H	Kannaadikkalli	M
266.	<i>Peltophorum pterocarpum</i> (DC.)	Caesalpiniaceae	T	Avalvagai	M
267.	<i>Pentanema indicum</i> (L.) Ling	Asteraceae	H	Mookutthipoondu	M

268.	<i>Pergularia daemia</i> (Forssk.) Chiov.	Asclepiadaceae	Cl	Vaelipparuthi	M
269.	<i>Peristrophe paniculata</i> (Forssk.) Brummitt	Acanthaceae	H	Naganantha	M
270.	<i>Phyla nodiflora</i> (L.) Greene	Verbenaceae	H	Poduthalai	M
271.	<i>Phyllanthus amarus</i> Schum. & Thonn.	Euphorbiaceae	H	Kizha-nelli	M
272.	<i>Phyllanthus emblica</i> L.	Euphorbiaceae	T	Nelli	M/E
273.	<i>Phyllanthus maderaspatensis</i> L.	Euphorbiaceae	H	Nella nelli	M
274.	<i>Phyllanthus reticulatus</i> Poir.	Euphorbiaceae	S	Kanimpoolanthi	M/E
275.	<i>Physalis minima</i> L.	Solanaceae	H	Sodakku thakali	M
276.	<i>Pistia stratiotes</i> L.	Araceae	H	Agasa-thamarai	M
277.	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Mimosaceae	T	Kodukkai puli	M/E/Ti
278.	<i>Plectranthus amboinicus</i> (Lour.) Spreng.	Lamiaceae	H	Karppuravalli	M
279.	<i>Plumbago auriculata</i> Lam.	Plumbaginaceae	S	Neelakkodi vaeli	M
280.	<i>Plumbago zeylanica</i> L.	Plumbaginaceae	H	Venkodiveli	M
281.	<i>Polyalthia longifolia</i> (Sonner.) Thw.	Annonaceae	T	Nettilingam	M
282.	<i>Polycarpaea corymbosa</i> (L.) Lam.	Caryophyllaceae	H	Nilaisedachi	M
283.	<i>Polygonum glabrum</i> Willd.	Polygonaceae	H	Aatralari	M
284.	<i>Pongamia pinnata</i> (L.) Pierre	Fabaceae	T	Punga maram	M/Ti
285.	<i>Portulaca oleracea</i> L.	Portulacaceae	H	Parupu keerai	M
286.	<i>Portulaca pilosa</i> L.	Portulacaceae	H	Mukkilikeerai	M
287.	<i>Portulaca quadrifida</i> L.	Portulacaceae	H	Sinnaparupukeerai	M
288.	<i>Pouzolzia zeylanica</i> (L.) Benn.	Urticaceae	H	Kallurki	M
289.	<i>Priva cordifolia</i> (L.f.) Druce	Verbenaceae	H	Aadai otti	M
290.	<i>Prosopis juliflora</i> (Sw.) Dc.	Mimosaceae	T	Vaelikaruvai	M/Ti/Mis
291.	<i>Psidium guajava</i> L.	Myrtaceae	T	Koyya	E/Ti
292.	<i>Pterolobium hexapetalum</i> (Roth.) Sant. & Wagh	Caesalpiniaceae	S	Karuendu	M
293.	<i>Punica granatum</i> L.	Punicaceae	S	Madhulai	M/E
294.	<i>Pupalia lappacea</i> (L.) Juss.	Amaranthaceae	H	Adai-otti	M
295.	<i>Randia dumetorum</i> (Retz) poiret	Rubiaceae	S	Marukkarai	M
296.	<i>Rhynchosia minima</i> (L.) DC.	Fabaceae	Cl	Kaliyathuvarai	M
297.	<i>Ricinus communis</i> L.	Euphorbiaceae	S	Amanakku	M
298.	<i>Rivea hypocrateriformis</i> (Desr.) Choisy	Convolvulaceae	Cl	Boodhikeerai	M
299.	<i>Rothia indica</i> (L.) Druce	Fabaceae	H	Nurreypitten keerai	M
300.	<i>Rungia repens</i> (L.) Nees	Acanthaceae	H	Kodakasalai	M
301.	<i>Sansevieria roxburghiana</i> Schultes & Schultes	Dracaenaceae	H	Marul	M
302.	<i>Santalum album</i> L.	Santalaceae	T	Sandanam	M/Ti
303.	<i>Sarcostemma brunonianum</i> Wight & Arn.	Asclepiadaceae	Cl	Perum Aattlaankodi	M
304.	<i>Scoparia dulcis</i> L.	Scrophulariaceae	H	Sarakkotthini	M
305.	<i>Sesamum alatum</i> Thonn.	Pedaliaceae	H	-	M
306.	<i>Sesbania grandiflora</i> (L.) Poir.	Fabaceae	T	Agathi	M/E/Ti
307.	<i>Sesbania sesban</i> (L.) Merr.	Fabaceae	S	Chittagathi	M

308.	<i>Sida acuta</i> Burm.f.	Malvaceae	H	Arival manai poondu	M
309.	<i>Sida cordata</i> (Burm. f.) Borssum	Malvaceae	H	Pazhampaasi	M
310.	<i>Sida cordifolia</i> L.	Malvaceae	S	Nilatutthi	M
311.	<i>Solanum elaeagnifolium</i> Cav.	Solanaceae	H	-	M
312.	<i>Solanum insanum</i> L.	Solanaceae	H	Mullu Kathiri	M
313.	<i>Solanum lycopersicum</i> L.	Solanaceae	H	Thakkali	E
314.	<i>Solanum nigrum</i> L.	Solanaceae	H	Milaguthakkali	M/E
315.	<i>Solanum pubescens</i> Willd.	Solanaceae	S	Rameshwarasundai	M
316.	<i>Solanum seafortianum</i> Andr.	Solanaceae	S	-	M
317.	<i>Solanum surattense</i> Burm.f.	Solanaceae	S	Kandankathiri	M
318.	<i>Solanum torvum</i> Sw.	Solanaceae	S	Chundai	M/E
319.	<i>Solanum trilobatum</i> L.	Solanaceae	Cl	Thoodhuvalai	M
320.	<i>Sonchus oleraceus</i> L.	Asteraceae	H	Shaadevi	M
321.	<i>Sopubia delphinifolia</i> (L.) G.Don	Scrophulariaceae	H	-	M
322.	<i>Spathodea campanulata</i> Beauv.	Bignoniaceae	T	Ruthrapalasu maram	M/O
323.	<i>Spermaceoce hispida</i> L.	Rubiaceae	H	Nathaichuri	M
324.	<i>Sphaeranthus amaranthoides</i> Burm.f.	Asteraceae	H	Siva karandhai	M
325.	<i>Sphaeranthus indicus</i> L.	Asteraceae	H	Kotta karandhai	M
326.	<i>Spilanthes calva</i> DC.	Asteraceae	H	Palvalipoondu	M
327.	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Verbenaceae	H	Seemai nayuruvi	M
328.	<i>Striga asiatica</i> (L.) Kuntze	Scrophulariaceae	H	Pulluruvi	M
329.	<i>Strobilanthes consanguineus</i> (Nees) T. Anders.	Acanthaceae	H	Perunkurinji	M
330.	<i>Strychnos nux-vomica</i> L.	Loganiaceae	T	Yetti	M
331.	<i>Strychnos potatorum</i> L.	Loganiaceae	T	Thaetraan kottai	M
332.	<i>Swietenia macrophylla</i> King	Meliaceae	T	Mahagony	M/Ti
333.	<i>Synadenium grantii</i> Hook.f.	Euphorbiaceae	S	-	M
334.	<i>Synedrella nodiflora</i> (L.) Gaertn.	Asteraceae	H	Mudiyarthirapachai	M
335.	<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	T	Navaal	M/E
336.	<i>Tabebuia rosea</i> (Bertol.) DC.	Bignoniaceae	T	Nagassenbagamaram	O
337.	<i>Tamarindus indica</i> L.	Caesalpiniaceae	T	Puliya maram	M/E/Ti
338.	<i>Tecoma stans</i> (L.) Kunth	Bignoniaceae	T	Sornapatti	M
339.	<i>Tectona grandis</i> L.f.	Verbenaceae	T	Thekku	T
340.	<i>Tephrosia purpurea</i> (L.) Pers.	Fabaceae	H	Kozhinji	M
341.	<i>Terminalia arjuna</i> (Roxb.) Wight & Arn.	Combretaceae	T	Marutha maram	M
342.	<i>Terminalia catappa</i> L.	Combretaceae	T	Naattu Badaam	M
343.	<i>Terminalia cuneata</i> Roxb.	Combretaceae	T	Neer Marudhu	-
344.	<i>Thespesia populnea</i> (L.) Soland ex Correa	Malvaceae	T	Poovarasu	M
345.	<i>Thevetia peruviana</i> K.Schum	Apocynaceae	T	Ponnarali	M
346.	<i>Tinospora cordifolia</i> (Willd.) Miers ex Hook. f. & Thoms.	Menispermaceae	Cl	Seendhil	M
347.	<i>Tithonia diversifolia</i> (Hemsl.) A. Gray	Asteraceae	S	Valsuriyagandhi	M

348.	<i>Trianthema decandra</i> L.	Aizoaceae	H	Vellai saranai	M/E
349.	<i>Trianthema portulacastrum</i> L.	Aizoaceae	H	Saranai	M/E
350.	<i>Tribulus subramanii</i> P. Singh, Giri & V. Singh	Zygophyllaceae	H	Periyannerunji	M
351.	<i>Tribulus terrestris</i> L.	Zygophyllaceae	H	Nerinjimul	M
352.	<i>Trichodesma indicum</i> (L.) R. Br.	Boraginaceae	H	Kavil thumbai	M
353.	<i>Trichodesma zeylanicum</i> (Burm.f.) R. Br.	Boraginaceae	H	Kaluthai thumbai	M
354.	<i>Tridax procumbens</i> L.	Asteraceae	H	Vettukayapoodu	M
355.	<i>Typha angustifolia</i> L.	Typhaceae	H	Sambu	M
356.	<i>Urena lobata</i> L.	Malvaceae	S	Ottatthi	M
357.	<i>Vernonia anthelmintica</i> (L.) Willd.	Asteraceae	H	Kattu-seeragam	M
358.	<i>Vernonia cinerea</i> (L.) Less.	Asteraceae	H	Mookutthipoondy	M
359.	<i>Vigna trilobata</i> (L.) Verdc.	Fabaceae	H	Panipayir	M
360.	<i>Vitex negundo</i> L.	Verbenaceae	T	Nochi	M
361.	<i>Waltheria indica</i> L.	Sterculiaceae	H	Chembudu	M
362.	<i>Wattakaka volubilis</i> (L.f.) Stapf	Asclepiadaceae	Cl	Kodipaalai	M
363.	<i>Wedelia chinensis</i> (Osbeck) Merr.	Asteraceae	H	Manjal Karisalankanni	M
364.	<i>Withania somnifera</i> (L.) Dunal	Solanaceae	H	Amukkira	M
365.	<i>Wrightia tinctoria</i> (Roxb.) R.Br	Apocynaceae	T	Vetpaalai	M
366.	<i>Xanthium indicum</i> Koen.	Asteraceae	H	Marul oomatham	M
367.	<i>Ziziphus mauritiana</i> Lam.	Rhamnaceae	T	Illandhai	M/E
368.	<i>Ziziphus oenoplia</i> (L.) Mill.	Rhamnaceae	T	Soorai pazham	M/E
369.	<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Rhamnaceae	T	Kottailandhai	M
370.	<i>Zornia gibbosa</i> Span.	Fabaceae	H	Arundhalai otti	M

H- Herb; S-Shrub; Cl-Climber; T-Tree; M-Medicine; E-Edible; O-Ornamental; Ti-Timber; Mis-Miscellaneous.

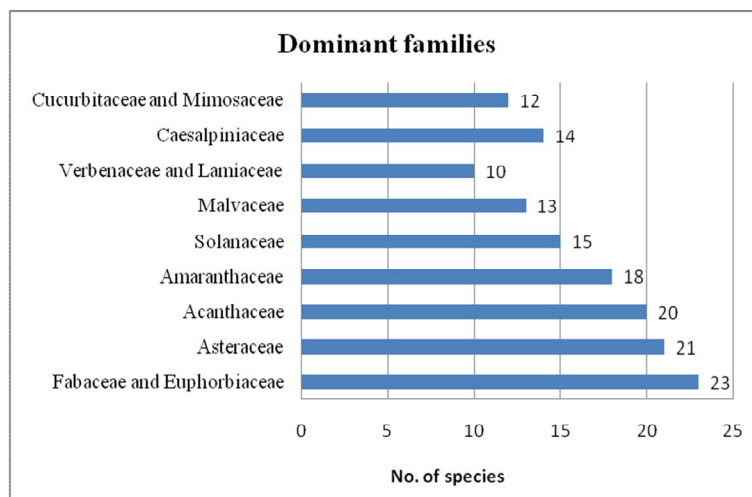


Fig. 1. Dominant families were recorded from the study area.

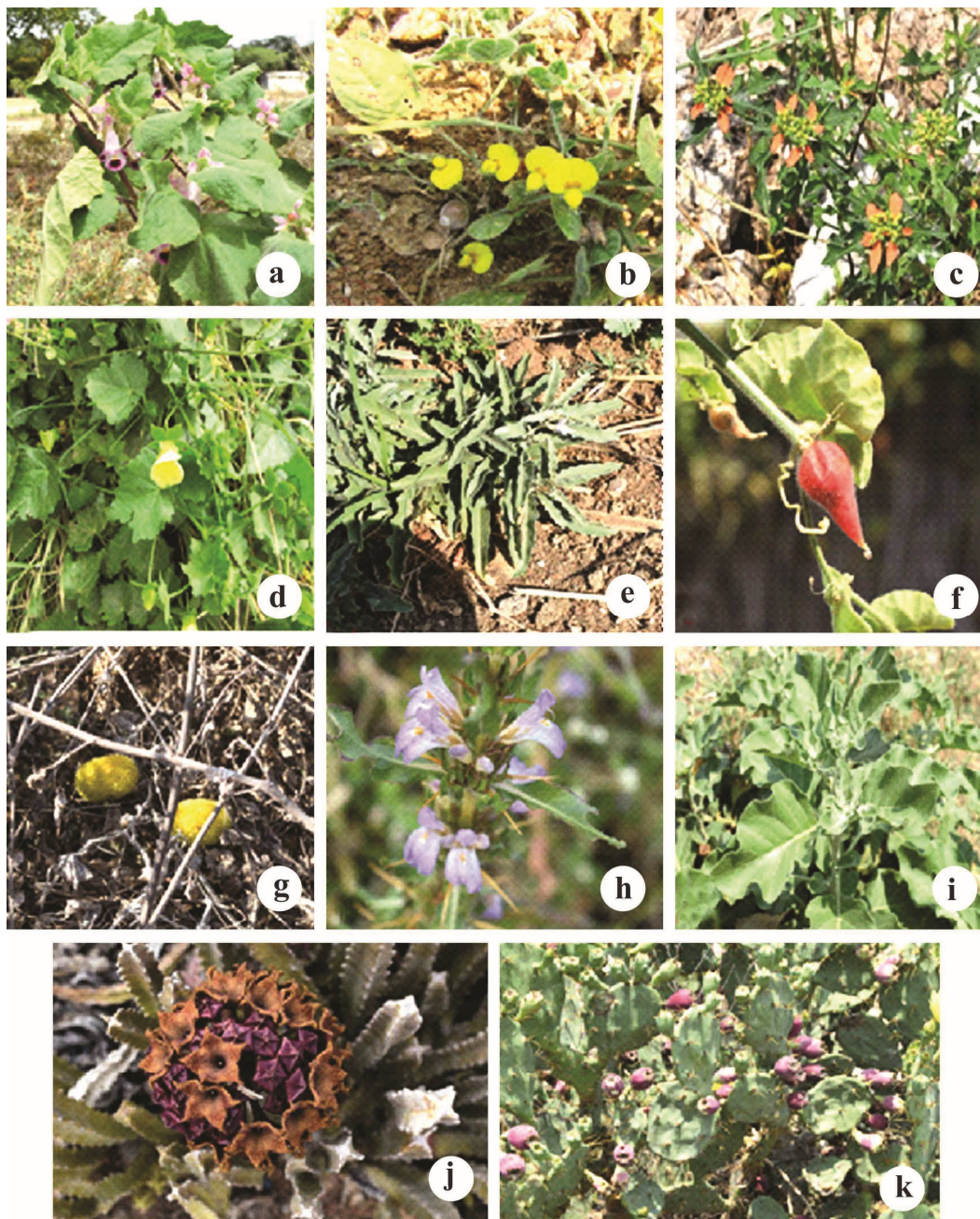


Fig. 2 a-k: Some common taxa recorded in phenological stage: a) *Martynia annua* L. b) *Crotalaria globosa* Wight & Arn. c) *Euphorbia cyathophora* Murr. d) *Pavonia procumbens* (Wall ex. Wight & Arn.) Walp e) *Solanum elaeagnifolium* Cav. f) *Kedrostis foetidissima* (Jacq.) Cogn. g) *Cucumis dipsaceus* Ehrenb. ex Spach. h) *Hygrophila schulli* (Hamilt.) M.R.Almeida & S.M. Almeida i) *Withania somnifera* (L.) Dunal j) *Caralluma umbellata* Haw. k) *Opuntia vulgaris* Mill.

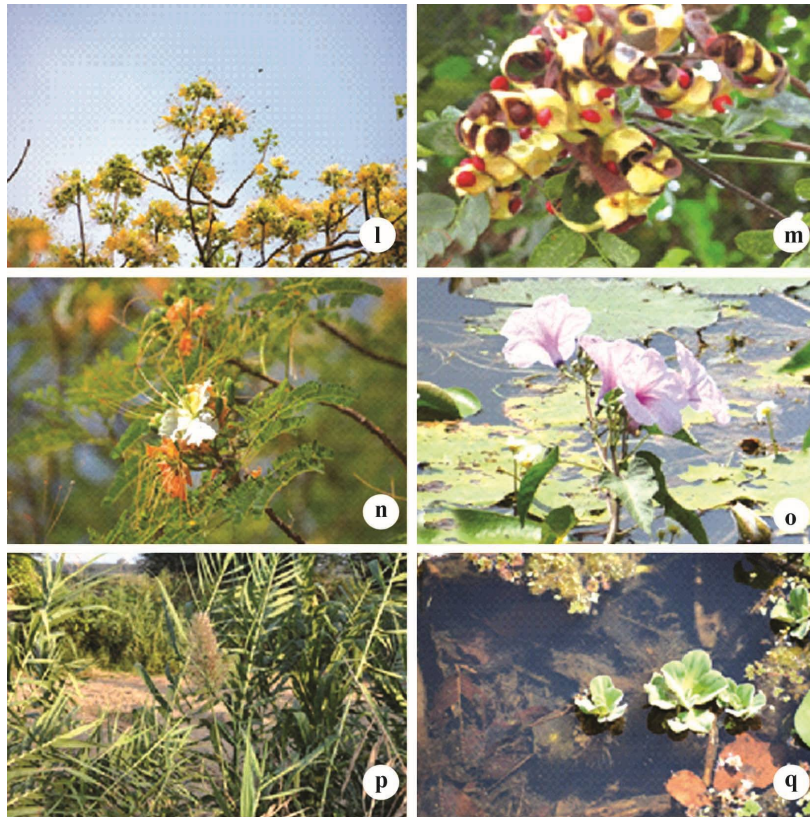


Fig. 3 l-q: Some common taxa recorded in phenological stage: l) *Crateva adansonii* DC. m) *Adenanthera pavonina* L. n) *Delonix elata* (L.) Gamble o) *Ipomoea carnea* Jacq. p) *Arundo donax* L. q) *Pistia stratioides* L.

Urbanisation affects the natural flora and fauna that imposes to document the existing biodiversity that enable to conserve them from the extinction (Dolan *et al.*, 2011). The flora and ecosystem of this region are facing serious threats due to the increased anthropogenic activities. Natural flora of Udumalpet taluk of Tiruppur district are facing serious threats especially because of the growing attention of its tourist places, such as Tirumoorthy hills, Amaravathy dam, Anamalai tiger reserve etc., and due to the constructions of new inns, hotels, and extension of roads etc. It has been noted that, a number of timber yielding and medicinally important trees such as Neem (*Azadirachta indica* A. Juss.), Tamarind (*Tamarindus indica* L.), Gulmohar (*Delonix regia* (Boj. *ex* Hook) Rafin.) are uprooted for road construction and highway extension programmes. Frequent documentation are done on the flora of the protected areas (Shankaranarayanan and Gupta, 1959; Vajravelu and Joesph, 1971; Balasubramanian *et al.*, 1997; Fischer, 2004; Rasingam, 2012; Murugeswaren *et al.*, 2014; Ramachandran *et al.*, 2014; Sarvalingam and Rajendran, 2018), but little attention is given to the flora of rural and aboriginal areas that are under different threats. Urbanization, habitat fragmentation, anthropological pressures, and pollution are the profound reasons for the destruction of the natural vegetation in the rural and aboriginal areas which is considered as an important component of the healthy environment.

In Tiruppur District, Udumalpet Taluk is the main source of electricity generated through wind mills and wind turbines. The occurrence of wind mills, affect the natural vegetation as well as cultivated fields. Thus, documentation of the existing flora of Udumalpet taluk will be helpful for conservation of its important natural plant resources.

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