

ANGIOSPERMIC FLORA OF PACHALUR HILLS IN DINDIGUL DISTRICT OF TAMILNADU, INDIA - A CHECKLIST

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The present study includes the enumeration of angiospermic flora of Pachalur hills of Dindigul district, was undertaken for a period of 12 months from June 2007 to May 2008. The study included cultivated, introduced and indigenous plants. The vegetation types in the forest area of Pachalur vary from scrub jungle to semi - evergreen forest in the valleys provided with water resources. Totally 429 species belonging to 325 genera distributed among 104 families were recorded. Dicotyledons were represented by 350 species of 270 genera belonging to 89 families. Monocotyledons were 79 species of 55 genera belonging to 15 families. Among dicotyledons, the family Rubiaceae (21 species) was the most dominant family followed by Fabaceae and Euphorbiaceae (each of 18 species). In the case of monocotyledons, Poaceae (27 species) was the dominant one followed by the family Cyperaceae (12 species). Among the 104 families listed 40 families were represented by a single genus and a single species. The herbs (160 species) were found to be more in number than trees (116 species) followed by shrubs (101 species) and climbers (52 species). Most of the plants recorded in the present study were economically important and were used for various purposes by local people and tribals like Paliyars living in the study area, Pachalur.

Keywords : Angiospermic flora; Pachalur hills; Tamilnadu; India.

Introduction

The comprehensive studies of the plants growing in a particular area are known as flora. A flora may cover any suitable area from a small patch of forest to a Taluk, City, District, State, Country or even a Continent. Floristic studies may be a simple compiled check list or an elaborate analysis of the taxa of that area.

As with other parts of India, plants have been studied in Tamil Nadu from ancient times mainly from medicinal, agricultural, ritualistic and other utilitarian points of view. Several botanists have studied the flora of Tamilnadu and have been able to discover many taxa new to science and also several new records. A Handbook on some South Indian weeds was prepared by Tadulingam and Venkatanarayana¹. Flora of Presidency of Madras was published by Gamble and Fischer². Some considerations on the succession of vegetation around Kodaikanal were published by Meher-Homji³. Flora of Tamilnadu Carnatic was also carried out⁴. Nair and Henry published the Flora of Tamilnadu⁵. Henry *et al.*, published the second and third volume of Flora of Tamilnadu⁶⁻⁷.

Subramanyam and Henry made a preliminary

survey of the flora of Alagar hills, Karandamalais and surrounding regions in Madurai District⁸. Krishnan and Sri Ganesan prepared a supplementary list of plants of Alagar hills⁹. Selvaraj studied the floristic study of Thiruparankundram and its surroundings¹⁰. Flora of Alagar hill was carried out in detail by Sri Ganesan¹¹.

Mallaiyaraj carried out the studies on variations in the flora of cardamom hills in relation to altitude¹². The floristic work of the polypetalous members of Karandaimalai hills was taken up by Muthurakku¹³. Mathusuthanan worked only on gamopetalous dicotyledons of Karandaimalai hills¹⁴. Beside these, many energetic botanists have worked on the flora of various districts and regions of India¹⁵⁻³⁴.

The investigation about the floristic composition will definitely be useful in the utilization of information by non-taxonomists like, ecological consultant, environmental engineers, forest managers, silviculturists, farmers, real estate appraisers, agricultural consultants, landscape architects, plant breeders, plant pathologists, toxicologists, forensic scientists, elementary teachers and others. Having the above facts in mind, an attempt was

made to study the detailed floristic analysis of Pachaluru hills in Dindigul district of Tamilnadu, India.

Material and Methods

The area of investigation, Pachaluru is lies between 10° 21' 46" N latitude and 77° 39' 50" E longitude. The elevation of the study area ranges from 1000 - 1500 M above Mean Sea Level. The temperature ranges from 12°C during winter and about 25°C during summer. The study site received the annual rainfall of about 800 - 1000 mm. The floristic divisions of the Pachaluru forests are the semi-evergreen low-level sholas in the ravine and valleys, the Savannah type, the dry deciduous fuel forests and deciduous thorn forest. The soil has a good content of loamy soil. In higher elevations the soil comprises of about one foot fertile, peaty earth with rich humus content. In some places the soil is not fertile and is just barren exposed to heavy soil erosion.

A Comprehensive and exhaustive study of plants in the hilly regions surrounding the Pachaluru was undertaken for a period of 12 months from June 2007 to May 2008. The known and familiar were recorded on the spot in the collection site itself. The unknown and doubtful plants were collected and brought to the laboratory for identification. The nomenclature of the plants was identified with the help of the regional floras like Flora of Presidency of Madras (I - III Vols.)², Flora of Tamilnadu Carnatic⁴, Flora of Tamilnadu (Vol. I)⁵, Flora of Tamilnadu (Vol. II)⁶ and (Vol. III)⁷ and An Excursion Flora of Central Tamilnadu, India²⁶.

Results and Discussion

In present study investigation the various species collected were identified with the help of the sources mentioned in the methodology. Among the habits of the plants recorded, prostrate herb and creeping herb were included in the category of Herb, small shrub, sub-shrub, climbing shrub and large shrub were in the category of Shrub, creeper, liner, vine, twiner and straggler were in the category of Climber and small trees were included in Trees.

Totally 429 species belonging to 325 genera distributed among 104 families were recorded. A complete floristic list is presented in the Table 1.

Among 429 species recorded from the study area, dicotyledons were represented by 350 species of 270 genera belonging to 89 families (Table 1,2) and monocotyledons were 79 species of 55 genera belonging to 15 families (Table 1,3). Among the class dicotyledons, 151 species belonging to 119 genera distributed among 50 families were grounded under polypetalae, 141 species belonging to 112 genera distributed among 21 families under gamopetalae, and the remaining 58 species of 39

genera belonging to 18 families were monochlamydeae (Table 4).

Among the 104 families listed 40 families (37 families of dicots and 3 of monocots) were represented by a single genus and single species, 20 families (17 of dicots and 3 of monocots) by 2 species, 10 families (9 of dicots and 1 of monocots) by 3 species, 5 families (1 of dicots and 4 of monocots) by 4 species, 5 families (4 of dicots and 1 of monocots) by 5 species, 2 families (both are dicots) by 6 species, 4 families (3 of dicots and 1 of monocots) by 7 species, 4 families (all are dicots) by 8 species, 1 family of dicots (Apocynaceae) by 10 species, 2 families of dicots by 11 species, 2 families (1 of dicots and 1 of monocots) by 12 species, 2 families (both are dicots) by 14 species, 2 families of 16 species, 2 families of dicots by 18 species, 1 family of dicots (Rubiaceae) by 21 species and 1 family of monocots (Poaceae) were represented by 27 species (Table 2, 3).

Among dicotyledons, Rubiaceae was found to be dominant and largest family comprising 21 species among 15 genera. Fabaceae and Euphorbiaceae shared the second largest family status equally; both of them were represented by 18 species and considered to be co-dominant families. The third largest families was Acanthaceae and Solanaceae, both were represented by 16 species followed by Asteraceae and Lamiaceae each of (14 species) (Table 3). Among these *Solanum* of Solanaceae was represented by 7 species which was found to be the dominant genus. The genera *Hibiscus* of Malvaceae and *Citrus* of Rutaceae (both of them are represented by 5 species each) were recorded as co-dominant genera (Table 1).

In the case of monocotyledons, Poaceae was found to be dominant family comprising 27 species belonging to 17 genera. Cyperaceae (12 species among 5 genera) was recorded as co-dominant family. *Cyperus* of Cyperaceae and *Eragrostis* of Poaceae equally shared the dominant genera status, both of them were represented by 5 species. The genus *Kyllinga* of Cyperaceae was represented by 3 species which was found to be the co-dominant genus.

The herbs (160 species) were found to be more in number than shrubs (116 species) followed by trees (101 species) and climbers (52 species). In the case of dicotyledons, among 350 species recorded 107 species were found to be herbs, 92 species were found to be trees, 104 species were shrubs and 47 species were climbers (Fig 1). In the case of monocotyledons, among 79 species recorded 53 species were found to be herbs, 12 species (*Curcuma longa*, *Elettaria cadamomum*, *Hedychium*

Table 1. List of plant species with their Family, Habit and Local name recorded in the study area - Pachaluru.

S. No.	Family	Botanical name	Habit	Local name
1	Acanthaceae	<i>Adhatoda vasica</i> Nees	Shrub	Adaathodai
2	Acanthaceae	<i>Andrographis echioides</i> (L.) Nees	Herb	Koburandhaangi
3	Acanthaceae	<i>Andrographis paniculata</i> (Burm.f.) Wallich ex Nees	Herb	Siriyaanangai
4	Acanthaceae	<i>Asystasia crispata</i> Benth.	Shrub	Upputhali
5	Acanthaceae	<i>Asystasia dalzelliana</i> Santapau	Shrub	Vellaithalai
6	Acanthaceae	<i>Asystasia gangetica</i> (L.) T. Anderson	Shrub	Meddaykeerai
7	Acanthaceae	<i>Barleria acuminata</i> Nees	Shrub	Shemmuli
8	Acanthaceae	<i>Barleria buxifolia</i> L.	Shrub	December Poo
9	Acanthaceae	<i>Barleria longiflora</i> L. f.	Shrub	Peru Shemmuli
10	Acanthaceae	<i>Barleria tomentosa</i> Roth.	Shrub	Sirushemmuli
11	Acanthaceae	<i>Blepharis maderaspatensis</i> (L.) Roth	Herb	Karattukkodi
12	Acanthaceae	<i>Peristrophe montana</i> Nees	Herb	Seedhevi
13	Acanthaceae	<i>Rhinacanthus nasutus</i> (L.) Kurz	Shrub	Naagamalli
14	Acanthaceae	<i>Rungia repens</i> (L.) Nees	Herb	Kudagam
15	Acanthaceae	<i>Stenosiphonium confertum</i> Nees	Herb	Azhagarmalaikurunji
16	Acanthaceae	<i>Thunbergia fragrans</i> Roxb.	Climber	Yindhirapushpam
17	Agavaceae	<i>Agave americana</i> L.	Shrub	Yaanaikkattraalai
18	Agavaceae	<i>Agave angustifolia</i> Haw.	Shrub	Kalkathaalai
19	Agavaceae	<i>Sansevieria roxburghiana</i> Schultes f.	Shrub	Marul
20	Aizoaceae	<i>Mollugo cerviana</i> L.	Herb	Parpaadagam
21	Aizoaceae	<i>Mollugo nudicaulis</i> Lam.	Herb	Parpaadagappullu
22	Aizoaceae	<i>Mollugo pentaphylla</i> L.	Herb	Parpaadagam
23	Alangiaceae	<i>Alangium salviifolium</i> (L. f.) Wangerin	Tree	Alingil
24	Amaranthaceae	<i>Achyranthes aspera</i> L.	Herb	Naayuruvi
25	Amaranthaceae	<i>Achyranthes bidentata</i> Blume	Herb	Malainaayuruvi
26	Amaranthaceae	<i>Aerva lanata</i> (L.) Juss.	Herb	Sirukanpeelai
27	Amaranthaceae	<i>Aerva tomentosa</i> Forsskal	Herb	Kooraipoo
28	Amaranthaceae	<i>Amaranthus spinosus</i> L.	Herb	Mullikkeerai
29	Amaranthaceae	<i>Celosia cristata</i> (L.) Kuntze	Shrub	Kozhikkondai
30	Amaranthaceae	<i>Gomphrena globosa</i> L.	Herb	Sudukattumalli
31	Amaranthaceae	<i>Pupalia atropurpurea</i> (Lam.) Moq.	Herb	Sunnaambukkeerai
32	Amaryllidaceae	<i>Crinum asiaticum</i> L.	Shrub	Vishamoongil
33	Amaryllidaceae	<i>Crinum latifolium</i> L.	Shrub	Vishamoongil
34	Anacardiaceae	<i>Mangifera indica</i> L.	Tree	Maamaram
35	Annonaceae	<i>Annona cherimola</i> Miller	Tree	Malaicheethaa
36	Apiaceae	<i>Centella asiatica</i> (L.) Urban	Herb	Vallaarai
37	Apiaceae	<i>Cuminum cyminum</i> L.	Herb	Seeragam
38	Apocynaceae	<i>Alstonia scholaris</i> (L.) R.Br.	Tree	Veppalai
39	Apocynaceae	<i>Carissa carandas</i> L.	Shrub	Kalaakkaai
40	Apocynaceae	<i>Holarrhena pubescens</i> Wallich ex A. DC.	Tree	Kudagappaalai
41	Apocynaceae	<i>Ichnocarpus frutescens</i> (L.) R.Br.	Shrub	Paravalli
42	Apocynaceae	<i>Nerium odorum</i> Sol.	Shrub	Arali
43	Apocynaceae	<i>Plumeria alba</i> L.	Tree	Perumaal arali
44	Apocynaceae	<i>Plumeria rubra</i> L.	Tree	Yeelathalari
45	Apocynaceae	<i>Thevetia peruviana</i> (Pers.) Merr.	Shrub	Thangarali

S. No.	Family	Botanical name	Habit	Local name
46	Apocynaceae	<i>Vinca major</i> L.	Herb	Nithyakalyaani
47	Apocynaceae	<i>Wrightia tinctoria</i> (Roxb.) R.Br.	Tree	Paalai
48	Araceae	<i>Acorus calamus</i> L.	Shrub	Vasambu
49	Araceae	<i>Alocasia indica</i> (Roxb.) Schott	Shrub	Merukankizhangu
50	Araceae	<i>Colocasia esculenta</i> (L.) Schott	Shrub	Senaikizhangu
51	Araceae	<i>Typhonium trilobatum</i> Schott	Shrub	Karunaikizhangu
52	Arecaceae	<i>Areca catechu</i> L.	Tree	Paakku
53	Arecaceae	<i>Borassus flabellifer</i> L.	Tree	Panai
54	Arecaceae	<i>Caryota urens</i> L.	Tree	Koondhal panai
55	Arecaceae	<i>Cocos nucifera</i> L.	Tree	Thennai
56	Arecaceae	<i>Corypha umbraculifera</i> L.	Tree	Koondhal panai
57	Arecaceae	<i>Phoenix loureirii</i> Kunth	Tree	Malaieecham
58	Arecaceae	<i>Phoenix sylvestris</i> (L.) Roxb.	Tree	Eecham
59	Aristolochiaceae	<i>Aristolochia bracteata</i> Retz.	Herb	Perumarundhu
60	Aristolochiaceae	<i>Aristolochia indica</i> L.	Climber	Aadudhinnaappaalai
61	Asclepiadaceae	<i>Asclepias curassavica</i> L.	Shrub	Kakkaathoondi
62	Asclepiadaceae	<i>Calotropis procera</i> (L.) R. Br.	Shrub	Vellai yerukku
63	Asclepiadaceae	<i>Gymnema sylvestre</i> R. Br.	Climber	Sirukurinjaan
64	Asclepiadaceae	<i>Hemidesmus indicus</i> (L.) R.Br.	Climber	Nannaari
65	Asclepiadaceae	<i>Leptadenia reticulata</i> (Retz.) Wight & Arn	Climber	Paalaikkodi
66	Asclepiadaceae	<i>Pergularia daemia</i> (Forsskal) Chiov.	Climber	Velipparuthi
67	Asclepiadaceae	<i>Secamone emetica</i> R.Br. ex Schultes	Shrub	Sagadam
68	Asclepiadaceae	<i>Wattakaka volubilis</i> (L.f.) T.Stafff	Climber	Kodippaalai
69	Asteraceae	<i>Acanthospermum hispidum</i> DC.	Herb	Kaanthaarichedi
70	Asteraceae	<i>Ageratum conyzoides</i> L.	Herb	Poombull
71	Asteraceae	<i>Anaphalis lawii</i> (Hook.f.) Gamble	Herb	Vellaikkondai
72	Asteraceae	<i>Bidens pilosa</i> L.	Herb	Manjal keerai
73	Asteraceae	<i>Chromolaena odorata</i> L.	Shrub	Peikkolai
74	Asteraceae	<i>Dahlia imperialis</i> Roedel ex E. Ortgies	Shrub	Sengondai
75	Asteraceae	<i>Erigeron mucronatus</i> DC.	Herb	Paappathichedi
76	Asteraceae	<i>Parthenium hysterophorus</i> L.	Herb	Mookkithippoochedi
77	Asteraceae	<i>Sigesbeckia orientalis</i> L.	Herb	Kadambu
78	Asteraceae	<i>Synedrella nodiflora</i> (L.) Gaertner	Herb	Kaattukkolai
79	Asteraceae	<i>Tagetes erecta</i> L.	Shrub	Chevvandhi
80	Asteraceae	<i>Taraxacum javanicum</i> Soest	Herb	Thehilaichedi
81	Asteraceae	<i>Tridax procumbens</i> L.	Herb	Kinattruppaasaan
82	Asteraceae	<i>Vernonia cinerea</i> (L.) Less.	Herb	Sengezhuneer
83	Balsaminaceae	<i>Impatiens acaulis</i> Arn.	Herb	Peelithumbai
84	Balsaminaceae	<i>Impatiens balsamina</i> L.	Herb	Kaasithumbai
85	Basellaceae	<i>Basella rubra</i> L.	Climber	Kodippasali
86	Begoniaceae	<i>Begonia malabarica</i> Lam.	Shrub	-----
87	Bignoniaceae	<i>Jacandra mimosifolia</i> D.Don	Tree	Neelakkaandhal
88	Bignoniaceae	<i>Kigelia pinnata</i> DC.	Tree	Yaanaipuli
89	Bignoniaceae	<i>Pyrostegia ignea</i> (Vell.) C. Presl.	Climber	Manjalkaandhal
90	Bignoniaceae	<i>Spathodea campanulata</i> P.Beauv.	Tree	Pattaadaimaram
91	Bignoniaceae	<i>Stereospermum tetragonum</i> A.DC.	Tree	Ambuvaagini
92	Bignoniaceae	<i>Tecoma stans</i> (L.) Kunth	Shrub	Thangarali

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93	Bignoniaceae	<i>Tecomaria capensis</i> (Thumb.) Lindley	Climber	Sev viral poo
94	Bombacaceae	<i>Adansonia digitata</i> L.	Tree	Neerkondaan
95	Bombacaceae	<i>Bombax ceiba</i> L.	Tree	Yilavambanju
96	Boraginaceae	<i>Cordia rothii</i> Roemer & Schultes	Tree	Naruvillai
97	Boraginaceae	<i>Cynoglossum furcatum</i> Wallich ex Roxb.	Herb	Thelkodukku chedi
98	Boraginaceae	<i>Ehretia pubescens</i> Benth.	Tree	Aadhulai
99	Boraginaceae	<i>Trichodesma indicum</i> (L.) R. Br.	Herb	Kavizhthumbai
100	Boraginaceae	<i>Trichodesma zeylanicum</i> (Burm. f.) R. Br.	Shrub	Perungavizhthumbai
101	Brassicaceae	<i>Brassica juncea</i> (L.) Czernj.	Herb	Kadugu
102	Brassicaceae	<i>Cardamine trichocarpa</i> Hochst. ex A. Rich	Herb	-----
103	Bursaceae	<i>Commiphora caudata</i> (Wight & Arn.) Engl.	Tree	Kiluvai
104	Cactaceae	<i>Optuntia monacantha</i> (Willd.) Haw.	Shrub	Malaikkattraalai
105	Caesalpinaceae	<i>Bauhinia purpurea</i> L.	Tree	Mandhaarai
106	Caesalpinaceae	<i>Caesalpinia bonduc</i> (L.) Roxb.	Climber	Kalachikkaai
107	Caesalpinaceae	<i>Cassia alata</i> L.	Shrub	Seemaigathi
108	Caesalpinaceae	<i>Cassia angustifolia</i> Vahl	Shrub	Kaattaavaaram
109	Caesalpinaceae	<i>Cassia didymobotrya</i> Fresen.	Shrub	Malaiavaaram
110	Caesalpinaceae	<i>Cassia tora</i> L.	Shrub	Thagarai
111	Caesalpinaceae	<i>Delonix regia</i> (Hook.) Raf.	Tree	Kaattuthee maram
112	Caesalpinaceae	<i>Hardwickia binata</i> Roxb.	Tree	Aachaa
113	Caesalpinaceae	<i>Parkinsonia aculeata</i> L.	Tree	Sudukaatu maram
114	Caesalpinaceae	<i>Saraca indica auct. non L.</i>	Tree	Asokamaram
115	Caesalpinaceae	<i>Tamarindus indica</i> L.	Tree	Puli
116	Cannaceae	<i>Canna indica</i> L.	Shrub	Kallvaazhai
117	Capparidaceae	<i>Cadaba trifoliata</i> (Roxb.) Wight & Arn.	Shrub	Pooranam
118	Capparidaceae	<i>Cleome felina</i> L.f.	Herb	Ariyaavelai
119	Capparidaceae	<i>Crateva religiosa auct. non Forster f.</i>	Tree	Maavilangam
120	Caprifoliaceae	<i>Lonicera leschenaultii</i> Wallich	Climber	Thenurinji
121	Caricaceae	<i>Carica papaya</i> L.	Tree	Pappaali
122	Caryophyllaceae	<i>Drymaria cordata</i> L.	Herb	Yeerappaasaan
123	Casuarinaceae	<i>Casuarina equisetifolia</i> Forster & Forster	Tree	Savuku
124	Chenopodiaceae	<i>Chenopodium album</i> L.	Herb	Parupukkeerai
125	Chenopodiaceae	<i>Chenopodium ambrosioides</i> L.	Herb	Sirukeerai
126	Combretaceae	<i>Combretum albidum</i> Don	Tree	Kaattuvadhaam
127	Combretaceae	<i>Terminalia chebula</i> Retz.	Tree	Kadukkaai
128	Commelinaceae	<i>Commelina benghalensis</i> L.	Herb	Kaanaa vaazhai
129	Commelinaceae	<i>Commelina erecta</i> L.	Herb	Thengaaipoo chedi
130	Commelinaceae	<i>Cyanotis axillaris</i> Roem. & Schultes.	Herb	Vazhukkaipull
131	Commelinaceae	<i>Cyanotis cristata</i> (L.) D. Don	Herb	Neerppull
132	Convolvulaceae	<i>Argyrea bracteata</i> Choisy	Climber	Onaankodi
133	Convolvulaceae	<i>Cuscuta reflexa</i> Roxb.	Climber	Amizhkodi
134	Convolvulaceae	<i>Evolvulus alsinoides</i> L.	Herb	Vishnukarandhai
135	Convolvulaceae	<i>Ipomoea quamoclit</i> L.	Climber	Kakkattaaan
136	Convolvulaceae	<i>Merremia aegyptia</i> (L.) Urban	Herb	Kulavaravalli
137	Cucurbitaceae	<i>Citrullus colocynthis</i> (L.) Schrader	Climber	Peikumatti
138	Cucurbitaceae	<i>Cucurbita maxima</i> Duchesne ex Lam.	Climber	Poosani
139	Cucurbitaceae	<i>Diplocyclos palmatus</i> L.	Climber	Sivalingangakkodi
140	Cucurbitaceae	<i>Lagenaria vulgaris</i> Ser.	Climber	Surai

S. No.	Family	Botanical name	Habit	Local name
141	Cucurbitaceae	<i>Sechium edule</i> Sw.	Climber	Chov chov
142	Cucurbitaceae	<i>Trichosanthes palmata</i> Roxb.	Climber	Koratti
143	Cucurbitaceae	<i>Zehneria scabra</i> (L.f.) Sonder	Climber	Pulivanji
144	Cyperaceae	<i>Cyperus articulatus</i> L.	Herb	Kizhangukkorai
145	Cyperaceae	<i>Cyperus distans</i> L.f.	Herb	Shilandhiarasi
146	Cyperaceae	<i>Cyperus pilosus</i> Vahl	Herb	Thelkodukkukkorai
147	Cyperaceae	<i>Cyperus rotundus</i> L.	Herb	Korai
148	Cyperaceae	<i>Cyperus rubicundus</i> Vahl	Herb	Korai
149	Cyperaceae	<i>Eleocharis congesta</i> D. Don	Herb	-----
150	Cyperaceae	<i>Fimbristylis aestivalis</i> (Retz.) Vahl	Herb	Kothupull
151	Cyperaceae	<i>Fimbristylis tetragona</i> R. Br.	Herb	Neelkothupull
152	Cyperaceae	<i>Kyllinga bulbosa</i> P.Beauv.	Herb	Muttaikkorai
153	Cyperaceae	<i>Kyllinga melanosperma</i> Nees	Herb	Neerkkorai
154	Cyperaceae	<i>Kyllinga monocephala</i> Rottb.	Herb	Mallikkorai
155	Cyperaceae	<i>Scirpus grossus</i> L. f.	Herb	Neerkkorai
156	Dioscoreaceae	<i>Dioscorea alata</i> L.	Climber	Vallikkizhangu
157	Dioscoreaceae	<i>Dioscorea oppositifolia</i> L.	Climber	Kodikkizhangu
158	Dipterocarpaceae	<i>Shorea robusta</i> Gaertn. f.	Tree	Saambiraani
159	Ericaceae	<i>Rhododendron arboreum</i> Ser.	Tree	Rose maram
160	Erythroxylaceae	<i>Erythroxylum monogynum</i> Roxb.	Shrub	Cheemanathi
161	Euphorbiaceae	<i>Acalypha fruticosa</i> Forsskal	Shrub	Chinni
162	Euphorbiaceae	<i>Acalypha indica</i> L.	Herb	Kuppaimeni
163	Euphorbiaceae	<i>Euphorbia cyathophora</i> Murray	Shrub	Yilaikkalli
164	Euphorbiaceae	<i>Euphorbia heterophylla</i> L.	Herb	Yilaimelrojaa
165	Euphorbiaceae	<i>Euphorbia hirta</i> L.	Herb	Ammaanpacharisi
166	Euphorbiaceae	<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch.	Shrub	Yilaippookalli
167	Euphorbiaceae	<i>Hevea brasiliensis</i> (H. B. & K.) Muell. Arg	Tree	Rubber
168	Euphorbiaceae	<i>Jatropha curcas</i> L.	Shrub	Kaattaamanakku
169	Euphorbiaceae	<i>Jatropha gossypifolia</i> L.	Shrub	Adhalai
170	Euphorbiaceae	<i>Macranga indica</i> Wight	Tree	Vattakanni
171	Euphorbiaceae	<i>Macranga peltata</i> (Roxb.) Muell. Arg.	Tree	Vattathaamarai
172	Euphorbiaceae	<i>Mallotus philippensis</i> (Lam.) Muell. Arg.	Tree	Kurangu manjanathi
173	Euphorbiaceae	<i>Manihot esculenta</i> Crantz	Shrub	Maravalli
174	Euphorbiaceae	<i>Phyllanthus acidus</i> (L.) Skeels	Tree	Sirunelli
175	Euphorbiaceae	<i>Phyllanthus emblica</i> L.	Tree	Nelli
176	Euphorbiaceae	<i>Phyllanthus maderaspatensis</i> L.	Herb	Melaanelli
177	Euphorbiaceae	<i>Phyllanthus niruri</i> Hook. f. non L.	Herb	Keelaanelli
178	Euphorbiaceae	<i>Ricinus communis</i> L.-	Shrub	Aamanakku
179	Fabaceae	<i>Abrus precatorius</i> L.	Climber	Vellaikkundrimani
180	Fabaceae	<i>Alysicarpus vaginalis</i> (L.) DC.	Herb	Aattuppunaakku
181	Fabaceae	<i>Butea frondosa</i> J. Koenig ex Roxb.	Tree	Kaattuthee
182	Fabaceae	<i>Clitoria ternatea</i> L.	Climber	Sanguppoo
183	Fabaceae	<i>Crotolaria striata</i> DC.,	Shrub	Peikkadugu
184	Fabaceae	<i>Crotolaria verrucosa</i> L.	Shrub	Kilukiluppaichedi
185	Fabaceae	<i>Dalbergia latifolia</i> Roxb.	Tree	Nookamaram
186	Fabaceae	<i>Dalbergia sissoo</i> Roxb.	Tree	Yeetti
187	Fabaceae	<i>Desmodium gangeticum</i> (L.) DC.	Shrub	Pulladi
188	Fabaceae	<i>Desmodium triflorum</i> (L.) DC.	Herb	Sirupulladi

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189	Fabaceae	<i>Erythrina indica</i> Lam.	Tree	Thavasimurungai
190	Fabaceae	<i>Erythrina suberosa</i> Roxb.	Tree	Mullmurungai
191	Fabaceae	<i>Mucuna pruriens</i> (L.) DC.	Climber	Poonaikkaali
192	Fabaceae	<i>Pongamia glabra</i> Vent.	Tree	Pungam
193	Fabaceae	<i>Pterocarpus santalinus</i> L. f.	Tree	Sivappusandhanam
194	Fabaceae	<i>Sesbania grandifolia</i> (L.) Poiret	Tree	Agathi
195	Fabaceae	<i>Sesbania sesban</i> (L.) Merr.	Tree	Sithagathi
196	Fabaceae	<i>Tephrosia purpurea</i> (L.) Pers.	Shrub	Kozhingi
197	Geraniaceae	<i>Geranium nepalense</i> Sweet	Herb	-----
198	Gesneriaceae	<i>Didymocarpus tomentosus</i> Wight	Herb	Shailapushpam
199	Hernandiaceae	<i>Gyrocarpus americanus</i> Jacq.	Tree	Thanakku
200	Hydrocharitaceae	<i>Hydrilla verticillata</i> (L. f.) Royle	Herb	Meenpull
201	Hydrocharitaceae	<i>Nechamandra alternifolia</i> (Roxb.) Thwaites	Herb	Neerthelungi
202	Hypoxidaceae	<i>Curculigo orchioides</i> Gaertner	Herb	Nilappanai
203	Lamiaceae	<i>Anisochilus dysophylloides</i> Benth.	Shrub	Kallthumbai
204	Lamiaceae	<i>Anisochilus scaber</i> Benth.	Herb	Karithumbai
205	Lamiaceae	<i>Anisomeles indica</i> (L.) Kuntze	Shrub	Peymiratti
206	Lamiaceae	<i>Anisomeles malabarica</i> (L.) R. Br. ex Sims	Shrub	Peymiratti
207	Lamiaceae	<i>Coleus aromaticus</i> Benth.	Herb	Omavalli
208	Lamiaceae	<i>Leonotis nepetiifolia</i> (L.) R. Br.	Shrub	Mullaathaana
209	Lamiaceae	<i>Leucas aspera</i> (Willd.) Link	Herb	Thumbai
210	Lamiaceae	<i>Leucas urticifolia</i> (Vahl.) R.Br.	Herb	Perunthumbai
211	Lamiaceae	<i>Mentha arvensis</i> L.	Herb	Pudhinaa
212	Lamiaceae	<i>Ocimum basilicum</i> L.	Herb	Karpoorathulasi
213	Lamiaceae	<i>Ocimum canum</i> Sims	Herb	Naaithulasi
214	Lamiaceae	<i>Ocimum tenuiflorum</i> L.	Herb	Yelumichandhulasi
215	Lamiaceae	<i>Plectranthus coleoides</i> Benth.	Shrub	Karpooravalli
216	Lamiaceae	<i>Salvia coccinea</i> Buch'hoz ex Etl.	Shrub	Sendhel poo
217	Lauraceae	<i>Cinnamomum iners</i> Reinw.	Tree	Lavangam
218	Lecythidaceae	<i>Careya arborea</i> Roxb.	Tree	Kumbi
219	Liliaceae	<i>Allium cepa</i> L.	Herb	Vengaayam
220	Liliaceae	<i>Aloe vera</i> L.	Herb	Kattraalai
221	Liliaceae	<i>Asparagus racemosus</i> Willd.	Climber	Thanneervittankizhangu
222	Liliaceae	<i>Gloriosa superba</i> L.	Climber	Kannuvalippoo
223	Liliaceae	<i>Smilax zeylanica</i> L.	Climber	Malaithaamarai
224	Linaceae	<i>Hugonia mystax</i> L.	Climber	Mothirakkanni
225	Loganiaceae	<i>Strychnos nux - vomica</i> L.	Tree	Yetti
226	Loganiaceae	<i>Canscora sessiliflora</i> Schultes & Schultes f.	Tree	Sanguppuli
227	Lythraceae	<i>Lawsonia inermis</i> L.	Tree	Marudhaani
228	Magnoliaceae	<i>Magnolia grandiflora</i> L.	Tree	Thoorichenbagam
229	Magnoliaceae	<i>Michelia champaca</i> L.	Tree	Shenbagam
230	Malvaceae	<i>Abutilon crispum</i> (L.) Medikus	Shrub	Kaattuthuthi
231	Malvaceae	<i>Abutilon indicum</i> L.	Shrub	Thuthi
232	Malvaceae	<i>Althea rosea</i> Cav.	Shrub	Sedirose
233	Malvaceae	<i>Hibiscus cannabinus</i> L.	Shrub	Kaasini
234	Malvaceae	<i>Hibiscus micranthus</i> L. f.	Shrub	Sirusembaruthi
235	Malvaceae	<i>Hibiscus rosa-sinensis</i> L.	Shrub	Sembaruthi
236	Malvaceae	<i>Hibiscus schizopetalus</i> (Masters) Hook.f	Shrub	Vellichembaruthi

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237	Malvaceae	<i>Hibiscus vitifolius</i> L.	Shrub	Maattuchevvandhi
238	Malvaceae	<i>Pavonia odorata</i> willd.	Shrub	Pearaamutti
239	Malvaceae	<i>Sida cordifolia</i> L.	Shrub	Nilathuthi
240	Malvaceae	<i>Sida rhombifolia</i> L.	Shrub	Sithiramutti
241	Malvaceae	<i>Urena lobata</i> L.	Shrub	Ottuthuthi
242	Melastomataceae	<i>Memecylon umbellatum</i> Burm. f.	Tree	Kaayaambu
243	Melastomataceae	<i>Osbeckia octandra</i> auct.non.(L.) DC.	Shrub	Aalaathippanju
244	Meliaceae	<i>Azadirachta indica</i> Adr. Juss.	Tree	Vembu
245	Meliaceae	<i>Cedrella toona</i> Roxb. ex Rottler	Tree	Sandhanavembu
246	Meliaceae	<i>Cipadessa baccifera</i> (Roth) Miq.	Shrub	Kodivembu
247	Meliaceae	<i>Melia azidarach</i> L.	Tree	Malaivembu
248	Meliaceae	<i>Swietenia mahagoni</i> (L.) Jacq.	Tree	Makhaagani
249	Meliaceae	<i>Trichilia connaroides</i> Wight & Arn.	Tree	Thoonvembu
250	Menispermaceae	<i>Cissampelos pareira</i> L.	Shrub	Kattukodi
251	Menispermaceae	<i>Tiliacora acuminata</i> (Lam.) Miers	Climber	Paruvalli
252	Menispermaceae	<i>Tinospora cordifolia</i> Hook.f. & Thomson	Climber	Seendhilkodi
253	Mimosaceae	<i>Acacia arabica</i> (Lam.) Willd.	Tree	Karuvelai
254	Mimosaceae	<i>Acacia auriculiformis</i> A.Cunn. ex Benth.	Tree	Arivaalilai maram
255	Mimosaceae	<i>Acacia pennata</i> (L.) Wild.	Climber	Aila maram
256	Mimosaceae	<i>Adenantha pavonina</i> L.	Tree	Yaanaikundumani
257	Mimosaceae	<i>Albizia amara</i> (Roxb.) Boivin.	Tree	Usil
258	Mimosaceae	<i>Albizia lebeck</i> (L.) Benth.	Tree	Vaagai
259	Mimosaceae	<i>Mimosa pudica</i> L.	Herb	Thottaal Surungi
260	Moraceae	<i>Artocarpus heterophyllus</i> Lam.	Tree	Palaamaram
261	Moraceae	<i>Artocarpus hirsutus</i> Lam.	Tree	Kaattuppalaa
262	Moraceae	<i>Ficus benghalensis</i> L.	Tree	Aalamaram
263	Moraceae	<i>Ficus glomerata</i> Roxb.	Tree	Athi
264	Moraceae	<i>Ficus mollis</i> Vahl	Tree	Kaattarasu
265	Moraceae	<i>Ficus religiosa</i> L.	Tree	Arasamaram
266	Moraceae	<i>Morus alba</i> L.	Tree	Musukkottai
267	Moraceae	<i>Streblus asper</i> Lour.	Shrub	Paraai
268	Moringaceae	<i>Moringa oleifera</i> Lam.	Tree	Murungai
269	Musaceae	<i>Musa paradisiaca</i> L.	Tree	Vaazhai
270	Myristicaceae	<i>Myristica fragrans</i> Houtt.	Tree	Jaathikkaai
271	Myrtaceae	<i>Callistemon lanceolatus</i> DC.	Tree	Sendhoorigai
272	Myrtaceae	<i>Eucalyptus globulus</i> Labill.	Tree	Karpoora maram
273	Myrtaceae	<i>Eucalyptus torelliana</i> F.Muell.	Tree	Thailamaram
274	Myrtaceae	<i>Psidium guajava</i> L.	Tree	Koyyaa
275	Myrtaceae	<i>Syzygium jambolanum</i> (Lam.) DC.	Tree	Naaval
276	Myrtaceae	<i>Syzygium jambos</i> (L.) Alston	Tree	Malainaaval
277	Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Herb	Andhimandhaarai
278	Nyctaginaceae	<i>Pisonia auclata</i> L.	Shrub	Murukkalli
279	Nymphaeaceae	<i>Nymphaea pubescense</i> Willd.	Herb	Alli
280	Oleaceae	<i>Jasminum angustifolium</i> (L.) Wiild.	Climber	Kaattumalli
281	Onagraceae	<i>Jussiaea repens</i> L.	Herb	Kiraambuppoondu
282	Onagraceae	<i>Ludwigia parviflora</i> Roxb.	Herb	Yeerakkumbi
283	Onagraceae	<i>Ludwigia speciosa</i> Ridley	Herb	Peruyeerakkumbi
284	Orchidaceae	<i>Habenaria decipiens</i> Wight	Herb	Kaattaan chedi

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285	Orchidaceae	<i>Habenaria digitata</i> Lindley	Herb	Vengattaan
286	Orchidaceae	<i>Oberonia iridifolia</i> (Roxb.) Lindley.	Herb	Marakkathaalai
287	Orchidaceae	<i>Vanda spathulata</i> (L.) Sprengel	Herb	Ottuthongi
288	Oxalidaceae	<i>Oxalis corniculata</i> L.	Herb	Puliaarai
289	Oxalidaceae	<i>Oxalis martiana</i> Zucc.	Herb	Sirupuliaarai
290	Papaveraceae	<i>Argemone mexicana</i> L.	Herb	Pirammathandu
291	Passifloraceae	<i>Passiflora calcarata</i> Masters	Climber	Sirupunnai
292	Pedaliaceae	<i>Martynia annua</i> (Houstoun in Marcy) L.	Shrub	Thekkodukkuchedi
293	Pedaliaceae	<i>Pedaliium murex</i> L.	Herb	Yaana nerunjal
294	Piperaceae	<i>Piper longum</i> L.	Climber	Thippili
295	Piperaceae	<i>Piper nigrum</i> L.	Climber	Milagu
296	Plumbaginaceae	<i>Plumbago zeylanica</i> L.	Shrub	Sitharmoolam
297	Poaceae	<i>Andropogon logipes</i> Hack	Herb	Kokkuvaipull
298	Poaceae	<i>Andropogon pumilus</i> Roxb	Herb	Theenipull
299	Poaceae	<i>Aristida funiculata</i> Trin. & Rupr.	Herb	Meesaipull
300	Poaceae	<i>Aristida histrix</i> L. f.	Herb	Kosappull
301	Poaceae	<i>Bambusa arundinacea</i> (Retz.) Willd	Tree	Moongil
302	Poaceae	<i>Chloris barbata</i> Sw.	Herb	Kodaipull
303	Poaceae	<i>Cymbopogon citratus</i> Stapf	Shrub	Vaasanaipull
304	Poaceae	<i>Cymbopogon martinii</i> (Roxb) Watson	Shrub	Cooraipull
305	Poaceae	<i>Cynodon dactylon</i> (L.) Pers.	Herb	Arugampull
306	Poaceae	<i>Dactyloctenium aegyptium</i> (L.) P. Beauv.	Herb	Sevalkaalpull
307	Poaceae	<i>Dichanthium annulatum</i> (Forsskal) Stapf	Herb	Kodukkupull
308	Poaceae	<i>Eleusine coracana</i> (L.) Gaertner	Herb	Kaattuvarag
309	Poaceae	<i>Eragrostis aspera</i> (Jacq.) Nees	Herb	-----
310	Poaceae	<i>Eragrostis gangetica</i> (Roxb.) Steudel	Herb	Pooppull
311	Poaceae	<i>Eragrostis nigra</i> Nees ex Steudel	Herb	-----
312	Poaceae	<i>Eragrostis pilosa</i> (L.)P.Beauv.	Herb	Kuthiraivaalpull
313	Poaceae	<i>Eragrostis unioides</i> Steudel.	Herb	-----
314	Poaceae	<i>Heteropogon contortus</i> (L.)	Herb	Oosipull
315	Poaceae	<i>Panicum psilopodium</i> Trin.	Herb	Nasiyampull
316	Poaceae	<i>Panicum repens</i> L.	Herb	Ginipull
317	Poaceae	<i>Paspalum compactum</i> Roth	Herb	Yerumaipull
318	Poaceae	<i>Paspalum longifolium</i> Roxb.	Herb	Malaivarag
319	Poaceae	<i>Perotis indica</i> (L.) Kuntze	Herb	Narivaalpull
320	Poaceae	<i>Rottboellia exaltata</i> L. f.	Herb	Kondaipull
321	Poaceae	<i>Saccharum officinarum</i> L.	Shrub	Karumbu
322	Poaceae	<i>Saccharum spontaneum</i> L.	Shrub	Naanal
323	Poaceae	<i>Vetiveria zizanioides</i> (L.) Nash	Shrub	Vetiver
324	Polygonaceae	<i>Antigonon leptopus</i> Hook. & Arn.	Climber	Kodirose
325	Polygonaceae	<i>Polygonum chinense</i> L.	Shrub	----
326	Polygonaceae	<i>Polygonum glabrum</i> Willd.	Shrub	Ganganichedi
327	Portulacaceae	<i>Portulaca oleracea</i> Willd.	Herb	Pasalai
328	Portulacaceae	<i>Talinum cuneifolium</i> Willd.	Herb	Pachaikkeerai
329	Proteaceae	<i>Grevillea robusta</i> A. Cunn. ex R. Br.	Tree	Kaattuchavukku
330	Punicaceae	<i>Punica granatum</i> L.	Shrub	Maadhulai
331	Ranunculaceae	<i>Clematis gouriana</i> Roxb.ex DC.	Climber	Kangukkodi
332	Ranunculaceae	<i>Naravelia zeylanica</i> (L.) DC.	Climber	Vaadhangolli

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333	Ranunculaceae	<i>Ranunculus arvensis</i> L.	Herb	Kaakkaachoru
334	Rhamnaceae	<i>Ziziphus jujuba</i> (L.) Gaertner, non Miller	Tree	Yilandhai
335	Rhamnaceae	<i>Zizipus oenoplia</i> (L.) Miller	Tree	Kaattuyilandhai
336	Rosaceae	<i>Prunus persica</i> (L.) Batsch	Tree	Malaichappottaa
337	Rosaceae	<i>Rosa indica</i> L.	Shrub	Rojaa
338	Rosaceae	<i>Rubus ellipticus</i> Smith	Shrub	Thozhu
339	Rosaceae	<i>Rubus niveus</i> Thunb.	Shrub	Mulluppazham
340	Rubiaceae	<i>Anthocephalus cadamba</i> Miq	Tree	Kadambam
341	Rubiaceae	<i>Canthium dicoccum</i> Teijsm. & Binnend.	Tree	Kaara
342	Rubiaceae	<i>Canthium parviflorum</i> Lam.	Tree	Kaara
343	Rubiaceae	<i>Coffea arabica</i> L.	Shrub	Kaaphi
344	Rubiaceae	<i>Coffea bengalensis</i> Roxb.	Shrub	Kaaphi
345	Rubiaceae	<i>Gardenia gummifera</i> L. f.	Tree	Kambilippishin
346	Rubiaceae	<i>Hamelia patens</i> Jacq.	Shrub	Varithelmunai
347	Rubiaceae	<i>Morinda tinctoria</i> Roxb.	Tree	Manjanathi
348	Rubiaceae	<i>Mussaenda hirsutissima</i> Hook.f.	Shrub	Vellimandhaara
349	Rubiaceae	<i>Oldenlandia corymbosa</i> L.	Herb	Chaayaver
350	Rubiaceae	<i>Oldenlandia diffusa</i> (Willd.) Roxb.	Herb	Padarsiruver
351	Rubiaceae	<i>Oldenlandia stricta</i> L.	Herb	Muthakkaasu
352	Rubiaceae	<i>Oldenlandia umbellata</i> L.	Herb	Siruver
353	Rubiaceae	<i>Ophiorrhiza mungos</i> L.	Shrub	Keerippondu
354	Rubiaceae	<i>Pavetta indica</i> L.	Shrub	Paavattai
355	Rubiaceae	<i>Psychotria elangata</i> (Wight) Hook. f.	Shrub	-----
356	Rubiaceae	<i>Randia longispina</i> Wight & Arn.	Tree	Perungaara
357	Rubiaceae	<i>Rubia cordifolia</i> L.	Climber	Arivaal manaikkodi
358	Rubiaceae	<i>Spermacoce hispida</i> L.	Herb	Nathaichoori
359	Rubiaceae	<i>Spermacoce ocymoides</i> Burm.f.	Herb	Muttaichoori
360	Rubiaceae	<i>Wendlandia thyrsoides</i> Roemer & Schultes	Shrub	Vellaithalaichedi
361	Rutaceae	<i>Aegle marmelos</i> (L.) Corr. Serr.	Tree	Vilvam
362	Rutaceae	<i>Atalantia monophylla</i> (L.) Corr. Serr.	Tree	Kaattelumichai
363	Rutaceae	<i>Citrus aurantium</i> L.	Tree	Naartha
364	Rutaceae	<i>Citrus limon</i> (L.)Burm.f.	Tree	Periya yelumichai
365	Rutaceae	<i>Citrus medica</i> L.	Tree	Yelumichai
366	Rutaceae	<i>Citrus reticulata</i> Blanco	Tree	Aaranju
367	Rutaceae	<i>Citrus sinensis</i> L.	Tree	Saathukkudi
368	Rutaceae	<i>Clausena dentata</i> (Willd.) Roemer	Shrub	Kaattukaruveppilai
369	Rutaceae	<i>Murraya koenigii</i> (L.) Sprengel	Tree	Kariveppilai
370	Rutaceae	<i>Murraya paniculata</i> (L.) Jack	Tree	Konji
371	Rutaceae	<i>Toddalia asiatica</i> (L.) Lam.	Climber	Milagarana
372	Santalaceae	<i>Santalum album</i> L.	Tree	Sandhanam
373	Sapindaceae	<i>Cardiospermum helicacabum</i> L.	Climber	Mudakkaruthaan
374	Sapindaceae	<i>Cardiospermum microcarpum</i> Blume.	Climber	Malai Mudkkathaan
375	Sapindaceae	<i>Dodonaea viscosa</i> L.f.	Shrub	Viraali
376	Sapindaceae	<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	Tree	Kaattuppoovarasu
377	Sapindaceae	<i>Sapindus emarginata</i> Vahl	Tree	Poondhikkottai
378	Sapotaceae	<i>Achras zapota</i> L.	Tree	Sapottaa
379	Sapotaceae	<i>Madhuca indica</i> J. F. Gmel.	Tree	Yiluppai
380	Sapotaceae	<i>Mimusops elengi</i> L.	Tree	Makizham

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381	Scrophulariaceae	<i>Digitalis pupurea</i> L.	Herb	Kuzhalpoo
382	Scrophulariaceae	<i>Ilysanthes parviflora</i> (Roxb.) Benth.	Herb	Vaaga pushpam
383	Scrophulariaceae	<i>Scoparia dulcis</i> L.	Herb	Madhukkam
384	Scrophulariaceae	<i>Sopubia delphinifolia</i> (L.) Don	Herb	Sirukuzhalpoo
385	Scrophulariaceae	<i>Veronica javanica</i> Blume	Herb	Shuthi
386	Simaroubaceae	<i>Ailanthus excelsa</i> Roxb.	Tree	Theekuchi maram
387	Solanaceae	<i>Capsicum frutescens</i> L.	Shrub	Sirumilagaai
388	Solanaceae	<i>Cestrum diurnum</i> L.	Shrub	Vannaathippoo
389	Solanaceae	<i>Cestrum nocturnum</i> L.	Shrub	Andhippoo
390	Solanaceae	<i>Datura metal</i> L.	Shrub	Oomathai
391	Solanaceae	<i>Datura stramonium</i> L.	Shrub	Peruoomathai
392	Solanaceae	<i>Lycopersicon esculentum</i> Mill.	Shrub	Thakkaali
393	Solanaceae	<i>Nicandra physalodes</i> (L.) Gaertner	Shrub	Neelichedi
394	Solanaceae	<i>Physalis minima</i> L.	Shrub	Sudakku thakkaali
395	Solanaceae	<i>Physalis peruviana</i> L.	Shrub	Thakkaali sirikki
396	Solanaceae	<i>Solanum erianthum</i> D. Don	Shrub	Malaichundai
397	Solanaceae	<i>Solanum melongena</i> L.	Shrub	Kathari
398	Solanaceae	<i>Solanum nigrum</i> L.	Shrub	Miluguthakkaali
399	Solanaceae	<i>Solanum seafortianum</i> Andrews	Shrub	Kattukathari
400	Solanaceae	<i>Solanum torvum</i> Sw.	Shrub	Chundai
401	Solanaceae	<i>Solanum trilobatum</i> L.	Climber	Mullkathari
402	Solanaceae	<i>Solanum xanthocarpum</i> Schrader & Wendl.	Shrub	Kandankathari
403	Sterculiaceae	<i>Helicteres isora</i> L.	Tree	Valamburi
404	Sterculiaceae	<i>Pentapetes phoenicea</i> L.	Herb	Kaiyilai chedi
405	Tiliaceae	<i>Corchorus aestuans</i> L.	Shrub	Yennaichedi
406	Tiliaceae	<i>Grewia tiliifolia</i> Vahl	Tree	Sadachi
407	Tiliaceae	<i>Triumfetta pilosa</i> Roth	Shrub	Mudappoond
408	Ulmaceae	<i>Celtis tetrandra</i> Roxb.	Tree	Yirumbaruthaan
409	Ulmaceae	<i>Holoptelea integrifolia</i> (Roxb.) Planchon	Tree	Aavi
410	Ulmaceae	<i>Trema orientalis</i> (L.) Blume	Tree	Chengotam
411	Urticaceae	<i>Laportea interrupta</i> (L.) Chew	Shrub	Yaanaichendhatti
412	Urticaceae	<i>Pouzolzia cymosa</i> Wight	Shrub	Kallurukki
413	Verbenaceae	<i>Clerodendrum fragrans</i> Willd.	Tree	Aangaaravalli
414	Verbenaceae	<i>Gmelina arborea</i> Roxb.	Tree	Perungumizh
415	Verbenaceae	<i>Gmelina asiatica</i> L.	Tree	Kumizh
416	Verbenaceae	<i>Lantana camara</i> L.	Shrub	Unnikodi
417	Verbenaceae	<i>Stachytarpheta indica</i> auct. non. (L.) Vahl	Shrub	Seemai naayuruvi
418	Verbenaceae	<i>Tectona grandis</i> L.f.	Tree	Thekku
419	Verbenaceae	<i>Verbena rigida</i> Sprengel	Herb	-----
420	Verbenaceae	<i>Vitex negundo</i> L.	Shrub	Nochi
421	Violaceae	<i>Hybanthus enneaspermus</i> (L.) F. Muell.	Herb	Oridhazhthaamarai
422	Violaceae	<i>Viola patrinii</i> Ging ex Dc.	Herb	Violethu
423	Viscaceae	<i>Viscum orientale</i> Willd.	Climber	Sundharabadhani
424	Vitaceae	<i>Leea indica</i> (Burm. f.) Merr.	Shrub	Nekki
425	Zingiberaceae	<i>Alpinia galanga</i> Willd.	Herb	Sitharathai
426	Zingiberaceae	<i>Curcuma longa</i> auct. non L.	Herb	Manjal
427	Zingiberaceae	<i>Elettaria cadamomum</i> (L.) Maton	Shrub	Yelakkaai
428	Zingiberaceae	<i>Hedychium coronarium</i> J. Koenig	Shrub	Yingichakkalathi
429	Zygophyllaceae	<i>Tribulus terrestris</i> L.	Herb	Nerunji

----- Local name was unknown

Table 2. List of Dicotyledonous families with their number of genera and species recorded in the study area - Pachalur.

S. No.	Family name	Number of genera	Number of species
1	Acanthaceae	10	16
2	Aizoaceae	1	3
3	Alangiaceae	1	1
4	Amaranthaceae	6	8
5	Anacardiaceae	1	1
6	Annonaceae	1	1
7	Apiaceae	2	2
8	Apocynaceae	9	10
9	Aristolochiaceae	1	2
10	Asclepiadaceae	8	8
11	Asteraceae	14	14
12	Balsaminaceae	1	2
13	Basellaceae	1	1
14	Begoniaceae	1	1
15	Bignoniaceae	7	7
16	Bombacaceae	2	2
17	Boraginaceae	4	5
18	Brassicaceae	2	2
19	Burseraceae	1	1
20	Cactaceae	1	1
21	Caesalpinaceae	8	11
22	Capparidaceae	3	3
23	Caprifoliaceae	1	1
24	Caricaceae	1	1
25	Caryophyllaceae	1	1
26	Casuarinaceae	1	1
27	Chenopodiaceae	1	2
28	Combretaceae	2	2
29	Convolvulaceae	5	5
30	Cucurbitaceae	7	7
31	Dipterocarpaceae	1	1
32	Ericaceae	1	1
33	Erythroxylaceae	1	1
34	Euphorbiaceae	9	18
35	Fabaceae	13	18
36	Gentianaceae	1	1
37	Geraniaceae	1	1
38	Gesneriaceae	1	1
39	Hernandiaceae	1	1
40	Lamiaceae	9	14
41	Lauraceae	1	1
42	Lecythidaceae	1	1

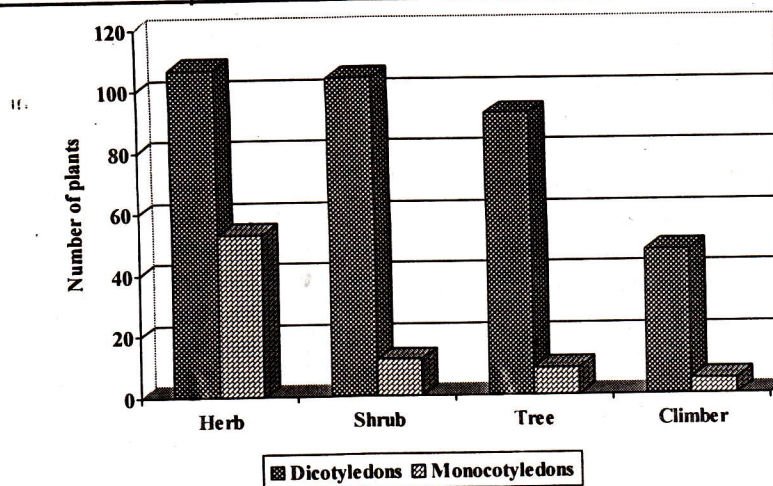
43	Linaceae	1	1
44	Loganiaceae	1	1
45	Lythraceae	1	1
46	Magnoliaceae	2	2
47	Malvaceae	6	12
48	Melastomataceae	2	2
49	Meliaceae	6	6
50	Menispermaceae	3	3
51	Mimosaceae	4	7
52	Moraceae	4	8
53	Moringaceae	1	1
54	Myristicaceae	1	1
55	Myrtaceae	4	6
56	Nyctaginaceae	2	2
57	Nymphaeaceae	1	1
58	Oleaceae	1	1
59	Onagraceae	2	3
60	Oxalidaceae	1	2
61	Papaveraceae	1	1
62	Passifloraceae	1	1
63	Pedaliaceae	2	2
64	Piperaceae	1	2
65	Plumbaginaceae	1	1
66	Polygonaceae	2	3
67	Portulacaceae	1	2
68	Proteaceae	1	1
69	Punicaceae	1	1
70	Ranunculaceae	3	3
71	Rhamnaceae	1	2
72	Rosaceae	3	4
73	Rubiaceae	15	21
74	Rutaceae	6	11
75	Santalaceae	1	1
76	Sapindaceae	4	5
77	Sapotaceae	3	3
78	Scrophulariaceae	5	5
79	Simaroubaceae	1	1
80	Solanaceae	7	16
81	Sterculiaceae	2	2
82	Tiliaceae	3	3
83	Ulmaceae	3	3
84	Urticaceae	2	2
85	Verbenaceae	7	8
86	Violaceae	2	2
87	Viscaceae	1	1
88	Vitaceae	1	1
89	Zygophyllaceae	1	1

Table 3. List of Monocotyledanous families with their number of genera and species recorded in the study area - Pachalur.

S. No.	Family name	Number of genera	Number of species
1	Agavaceae	2	3
2	Amaryllidaceae	1	2
3	Araceae	4	4
4	Arecaceae	6	7
5	Cannaceae	1	1
6	Commelinaceae	2	4
7	Cyperaceae	5	12
8	Dioscoreaceae	1	2
9	Hydrocharitaceae	2	2
10	Hypoxidaceae	1	1
11	Liliaceae	5	5
12	Musaceae	1	1
13	Orchidaceae	3	4
14	Poaceae	17	27
15	Zingiberaceae	4	4

Table 4. Different taxon and their corresponding number of families, genera and species recorded in the study area - Pachalur.

S. No.	Taxon		Number of families	Number of genera	Number of species
	Class	Subclass			
1	Dicotyledons	Polypetalae	50	119	151
		Gamopetalae	21	112	141
		Monochlamydeae	18	39	58
2	Monocotyledons	-	15	55	79
		Total	104	325	429

**Fig. 1.** Number of Herb, Shrub, Tree and Climber species recorded in the area of investigation - Pachalur.

coronarium, *Canna indica*, *Crinum asiaticum*, *Crinum latifolium*, *Agave Americana*, *Agave angustifolia*, *Clocasia esculenta*, *Sansevieria roxburghiana*, *Alocasia indica*, *Alocasia indica*) were shrubs, 9 species (*Musa paradisiacal*, *Areca catechu*, *Borassus flabellifer*, *Caryota urens*, *Cocos nucifera*, *Corypha umbraculifera*, *Phoenix loureirii*, *Phoenix sylvestris*, *Bambusa arundinacea*) were trees and 5 species (*Dioscorea alata*, *Dioscorea oppositifolia*, *Asparagus racemosus*, *Gloriosa superba*, *Smilax zeylanica*) were climbers (Fig 1).

In the study area parasites were uncommon. *Cuscuta reflexa* Roxb, of Convolvulaceae is found to be a leafless stem parasite, parasitic over *Morinda tinctoria* Roxb. and *Pavetta indica* L. of Rubiaceae. *Oberonia iridifolia* (Roxb.) Lindley, and *Vanda spathulata* (L.) Sprengel of Orchidaceae are the epiphytic plants commonly presented in the study area. They were found with velaman roots and clinging roots growing on the trunk of many large trees including *Pōdocarpus* (Gymnosperm). *Santalum album* L. of Santalaceae was found to be the only root parasite (only at seedling stage) found in the study area. *Viscum orientale* Willd. of Viscaceae was found to be the only stem parasite. Plants like *Nymphaea pubescens* Willd. of Nymphaeaceae, *Hydrilla verticillata* (L. f) Royle and *Nechamandra alternifolia* (Roxb.) Thwaites of Hydrocharitaceae are the aquatic plants found in ponds. Most of the plants recorded in the present study were economically important and were used for various purposes by local people and tribals like Paliyars living in the study area, Pachalur.

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