

Floristic diversity and economic importance of the Homegardens of Kanyakumari

District, Tamil Nadu, India

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ABSTRACT

Homegardens are traditional agricultural systems located within homesteads and are found in many countries throughout the world. The present study aims at understanding the floristic diversity of homegardens and utilization of plant species by the rural communities of Allankottai village of Kanyakumari district, Tamilnadu, India. Data on utilization of plant species was collected by interviewing the gardeners. A total of 435 plant species belonging to 306 genera and 94 families were recorded from the homegardens of Allankottai village. Of these, 90 families were angiosperms, 3 families were gymnosperms (Araucariaceae, Cycadaceae, and Cupressaceae) and one belonging to pteridophyte (Nephrolepidaceae).

Among the 90 angiospermic families, 20 were Gamopetalae, 40 Polypetalae and 10 were Monochlamydeae. Out of these, 150 species (34%) were medicinal, 141 species (32%) were ornamental, 42 species (10%) were edible and medicinal, 26 species (6%) were edible, Ornamental and Medicinal 20 species (5%) and Fodder plants 14 species (3%) were noticed. Hence the study indicated that the homegardens are contributing considerably to food security and livelihoods of people in the study area.

Key words: Allankottai village, Homegarden, Plant diversity, Tamil Nadu

Introduction

Biological diversity plays a vital role in human survival and economy. Biodiversity conservation has been structured covering the ecosystem diversity, genetic diversity and species diversity. Homegardens are an important *in situ* conservation site of biological diversity (Heywood and Watson, 1995). Tropical homegardens consist of an assemblage of plants which may include trees, shrubs, vines and herbaceous plants growing in or adjacent to a homestead or home compound (Nair, 1993). Homegardening are planted and maintained by members of the household and their products are intended primarily for household consumption, the gardens also have considerable ornamental value and they also provide shade to animals and people.

A homegarden has been described as an important economic and social unit of rural households in which crops, trees, shrubs, herbs and livestock are managed to provide medicine, food, shade, cash, pole and socio-cultural functions (Christanty, 1990; Cambell et al., 1991; Rugalema et al., 1994a; Shackleton et al., 2008). Homegardens generally refer to four identifying characteristics, first the garden is located near the residence, second the garden

contains a high diversity of plants, third the garden production is a supplemental rather than a main source of family consumption or income, and fourth the garden occupies a small area (Brownrigg, 1985). In the rural homegarden, gardeners usually grow fruits, vegetables, medicinal, spiritual and ornamental plants (Lamont et al., 1999; Kumar and Nair, 2004). Different cultures and customs have different names for this homesteaded production system, for example *Kandy* in Sri Lanka (Perera and Rajapakse, 1991), *Ghar Bagaincha* in Nepal (Shrestha et al., 2002), *Bari* in Bangladesh (Millat-e-Mustafa et al., 1996) and *Veetu Thottam* in Tamil.

Gardening is one of a variety of resources, management activity employed by the people of Kanyakumari district. Kanyakumari district is larger in land surface in which, many plant varieties were cultivated, but the knowledge of homegarden is very less among the people. Studies of homegardens provide basic information on the distribution of plants seen around us. In India most of the inventory works of homegardens has been concentrated in southern parts of Kerala (Kumar et al., 1994; Santhakumar, 1996) and northeastern region (Das and Das, 2005; Tynsong and Tiwari, 2010). Past studies clearly showed that there is a lack of research on plant diversity and economic value of homegardens in Kanyakumari district, Tamil Nadu, India where tradition of homegardens is very old. Therefore an attempt has been made to document the diversity of plants grown in the homegardens of Allankottai village of Kanyakumari district, Tamilnadu, India.

Materials and methods

Study area

The study was conducted in the homegardens of Allankottai village of Kanyakumari district, Tamilnadu, India (077° 20' and 974' East and 08° 08' and 150' North). The climate of the district is favourably warm and humid. The study area experiences rainfall both during the southwest monsoons and northeast monsoon. The area receives heavy rainfall during the month of June and declines during August. The soil of the study area is sandy. The people tend to use more grated coconut and coconut oil in their curries.

Data collection

Systematic surveys of vascular plants were conducted in the selected homegardens of Alankottai village of Kanyakumari district, Tamil Nadu, India during the period of May 2018 to June 2020. The collected plant specimens were dried, processed, mounted, identified and recorded by the botanical name or by local name that was later confirmed with the help of regional floras (Gamble and Fischer, 1921-1935; Matthew, 1991; Nair and Henry, 1983; Henry *et al.*, 1987; Henry *et al.*, 1989) and confirmed using the collections lodged in Department of Botany, Scott Christian College, Nagercoil, Tamilnadu, India.

Structured and semi-structured interviews were conducted in *Tamil* language as per the protocols stipulated by the International Society of Ethnobiology (www.ethnobiology.net). Information gathered during the interviews included the following: (i) the names of economically important plants grown and maintained in homegardens, (ii) their uses, (iii) reliance of households on the importance of homegarden plants in relation to food security, (iv) other benefits derived from cultivation of edible plants in home gardens, (v) and other uses of home garden plants such as medicine, shade, aesthetic, ornamental, fuelwood and income generation.

Results

A total of 435 plant species belonging to 306 genera and 94 families were recorded from the homegardens of Allankottai village. Of these, 90 families were angiospermic, 3 families were gymnospermic (Araucariaceae, Cycadaceae, and Cupressaceae) and one pteridophyte (Nephrolepidaceae). Among the 90 angiospermic families 20 were Gamopetalae, 40 Polypetalae and 10 were Monochlamydeae. Habit wise distribution of the species found in homegarden showed that 237 species (54 %) were herbs, 73 (17 %) Shrubs, 70 (16 %) Trees, and 56 (13 %) Climbers.

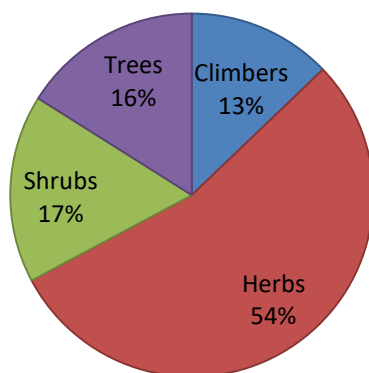


Fig. 1. Habitwise distribution of plant species in the study area

Family wise distribution shows that Euphorbiaceae was the dominant family with 13 genus and 31 species and it was followed by Acanthaceae (27 species), Asteraceae (24 species), Fabaceae (24 species), Poaceae (18 species), Rubiaceae (17 species), Araceae (16 species), Malvaceae (15 species), Amaranthaceae (13 species), Lamiaceae (12 species), Apocynaceae (11 species), Convolvulaceae and Solanaceae (10 species), Caesalpinaceae,

Verbenaceae and Curcubitaceae (8 species), Mimosaceae, Amaryllidaceae, Moraceae and Rutaceae (7 species), Zingiberaceae (6 species), Commelinaceae, Agavaceae, Arecaceae, Asclepiadaceae, Cactaceae, Liliaceae and Nyctaginaceae (5 species), Myrtaceae, Oleaceae, Orchidaceae, Portulacaceae, Piperaceae, and Scrophulariaceae (4 species), Annonaceae, Bignoniaceae, Capparaceae, Crassulaceae, Tiliaceae, and Vitaceae (3 species). Anacardiaceae, Araliaceae, Asparagaceae, Avertrhoaceae, Balsaminaceae, Bromeliaceae, Caryophyllaceae, Combretaceae, Cupressaceae, Cyperaceae, Gesneriaceae, Meliaceae, Menispermaceae, Passifloraceae, Pedaliaceae, Plumbaginaceae, Polygonaceae, Rosaceae and Sapotaceae had 2 species each, whereas, 35 families were monospecific.

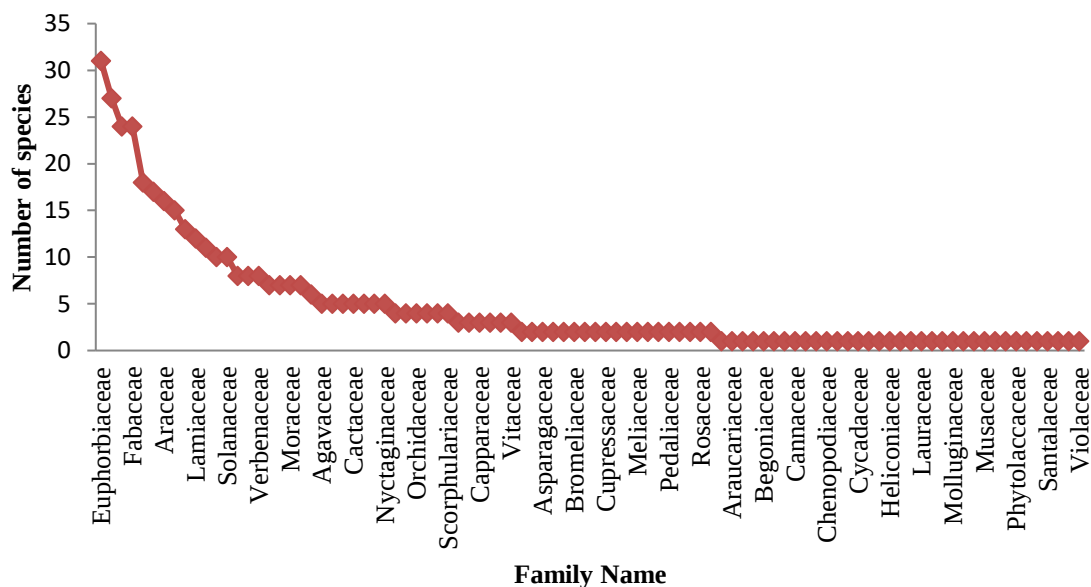


Fig. 2. Familywise distribution of plants in the study area

Genera wise distribution showed that, Asteraceae was the dominant family with highest number of 22 genus, followed by Fabaceae (19 genus), Poaceae (18 genus), Acanthaceae and Euphorbiaceae (13 genus), Araceae and Rubiaceae (10 genus), Apocynaceae and Malavaceae

(9 genus), Cucurbitaceae (8 genus), Lamiaceae and Verbenaceae (7 genus), Caesalpinaceae (6 genus), Amaryllidaceae, Arecaceae, Asclepiadaceae, Cactaceae, Rutaceae, Solanaceae and Zingiberaceae (5 genus), Annonaceae, Liliaceae, Mimosaceae, Nyctaginaceae, Scrophulariaceae and Tiliaceae (4 genus), Agavaceae, Commelinaceae, Convolvulaceae, Moraceae, Myrtaceae and Orchidaceae (3 genus). Eighteen families had two genus each and forty two families were monogeneric.

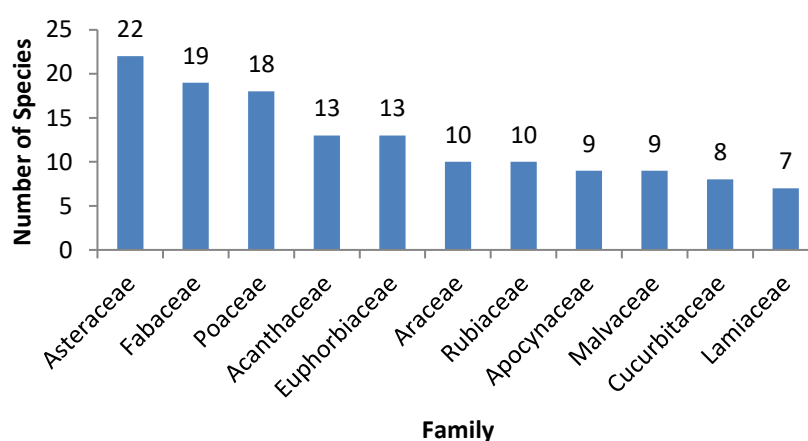
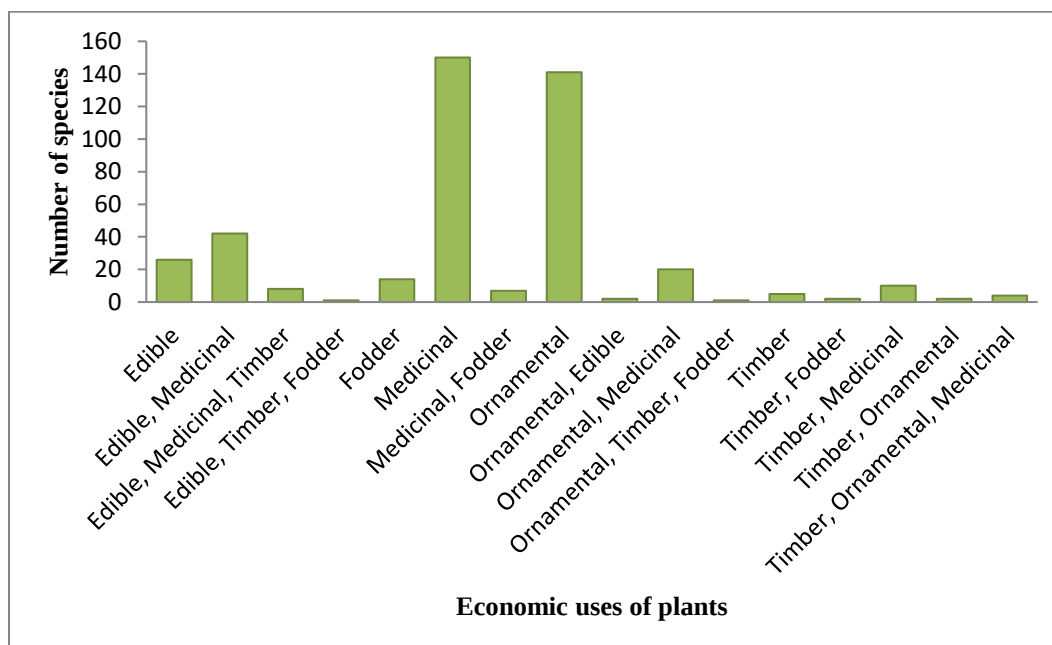


Fig. 3. Top ten Genera noticed during the study period

In the study area a total of 435 plant species were recorded (Table 1 & 2). Among them medicinal plants showed the highest number of plants 150 species (34%) followed by ornamental plant 141 species (32%), Edible and medicinal plants 42 species (10%), Edible plants 26 species (6%), Ornamental and medicinal 20 species (5%), Fodder 14 species (3%), Timber and Medicinal plants 10 species (2%). Some of the species were used as edible, timber and medicinal, Medicinal and fodder, Ornamental and edible, Ornamental and timber, and timber etc.

Table 1. Economic Importance of plant species in the study area

Economic Importance	Number of species	Percentage (%)
Edible	26	6
Edible, Medicinal	42	10
Edible, Medicinal, Timber	8	2
Edible, Timber, Fodder	1	0
Fodder	14	3
Medicinal	150	34
Medicinal, Fodder	7	2
Ornamental	141	32
Ornamental, Edible	2	0
Ornamental, Medicinal	20	5
Ornamental, Timber, Fodder	1	0
Timber	5	1
Timber, Fodder	2	1
Timber, Medicinal	10	2
Timber, Ornamental	2	1
Timber, Ornamental, Medicinal	4	1
Total	435	100

**Fig. 4.** Economic Importance of plant species in the study area

Discussion

The area around the house containing different fruit trees, vegetables, medicinal plants and ornamental plants. The study area has moderately high biodiversity and species richness. The homegardens showed high biological diversity represented by a total of 435 plant species. In this study, plant species and trees are cultivated depending upon family requirements, climatic conditions and geographical features. In India there are studies which determine the importance and role of homegardens in the life of local people, especially in terms of livelihood and economic significance (Samati, 2004; Das and Das, 2005; Srivastava and Heines, 2005; Tangjang and Arunachalam, 2009; Tynsong and Tiwari, 2010).

Species diversity in families of plants found in homegardens had been discussed in literatures. Akinnifesi et al. (2010) reported that the most common plant families in urban homegardens of a city in Northern Brazil were Arecaceae, Caesalpinaceae, Anarcadiaceae, Poaceae, Bignoniaceae and Mimosaceae. Devi and Das (2010) reported that Fabaceae, Lamiaceae and Poaceae have the highest species diversity among plants found in homegardens of a village in Assam. The present study indicates that Euphorbiaceae, Acanthaceae, Asteraceae, Fabaceae, Poaceae and Rubiaceae are six most diversified families of plants in homegardens of the Allankottai village.

In the present study a total 435 plant species were recorded of which, 237 were herbs, 73 Shrubs, 70 were trees and 56 were climbers in homegardens of Allankottai village. Kala (2010) recorded a total of 47 plant species in the homegardens near the Pachmarchi Biosphere of India. Similar trend was also observed in the present study in case of habit wise distribution

of plant species. Felling of large trees for household requirements facilitate the canopy openings for the luxuriant growth of ground flora.

Homegardens systems are an important contribution to sustainable agricultural production, because of their potential to meet several economic, social, ecological and institutional conditions for sustainability. For almost all households, homegarden is the main source of vegetables and fruit production. It is evident that the nutritional status and dietary diversity of households are depends on the homegarden (Suba et al., 2014). The maintenance and management of activities in homegarden are highly gender based and women are mostly responsible for the management homegarden (Torquebiau, 1992; Nair, 2001). House refuses (kitchen wastes and ashes) incorporated with crop residues, weeds and ashes in homegarden were used for making organic fertilizer and manures.

In Allankottai village, homegardens have rich diversity of medicinal plants which are mainly used for various ailments. The reason for the abundance might be due to interest in growing traditional medicinal plants. A medicinal plant at household level is used by women to improve the health of the family members. It is evidence to the 80% of people rely on traditional plant based medicines for their primary healthcare (Hack-Seang, 2005; Zaidi and Crow, 2005, Gurih-Fakim, 2006; Goyal et al., 2008; Sukumaran et al., 2021) and the value of medicinal plants for to human livelihoods essentially infinite (Hamilton, 2004). Trees usually have multiple uses and provide food, fodder, firewood and timber for household uses so, fodder trees have special place in homegarden. Thus, homestead farming ensures a natural biodiversity and contributes to poverty alleviation if they are managed sustainably.

Conclusions

This study documented plant diversity in the traditional homegarden in Kanyakumari District, Tamil Nadu, India. This study indicates that homegardens have high plant species diversity which contributes to plant diversity conservation. Traditional home gardens are constructed by numerous plant species that are planted for fruit, vegetable, ornamental, medicine, food crops, and other purposes. The native people in the study area utilize their home gardens mostly for subsistence purposes for consumption by their family. The reliance on homegardens needs to be intensified so that the present generation benefits from it and pass the knowledge to the future generations. Therefore, there is a need to include management of homegardens in the study area and/or other regions of India having similar eco-regions in the agricultural development and research agenda as this agricultural system has potential in enhancing food security.

Declaration of Competing Interest

The authors declare no conflict of interest.

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Table 2. Floristic diversity of homegardens and their economic importance

Botanical Name	Family Name	Common Name	Habit	Uses
<i>Abelmoschus esculentus</i> (L.) Moench	Malvaceae	Ladys Finger	Herb	Edible Plant, Medicinal
<i>Abrus precatorius</i> L.	Fabaceae	Crab's Eye	Climber	Medicinal
<i>Abutilon indicum</i> (L.) Sweet	Malvaceae	Indian Mallow	Herb	Medicinal
<i>Acacia auriculiformis</i> A.Cunn. ex Beth.	Mimosaceae	Ear Leaf Acacia	Tree	Timber, Ornamental
<i>Acacia nilotica</i> (L.) Delile	Mimosaceae	Acacia	Tree	Timber, Ornamental, Medicinal
<i>Acacia planifrons</i> Wight & Arn.	Mimosaceae	Umbrella Thorn	Tree	Timber, Fodder
<i>Acalypha amentacea</i> Roxb .	Euphorbiaceae	Wilkes Copper Leaf	Shrub	Ornamental
<i>Acalypha hispida</i> Burm. f .	Euphorbiaceae	Red Hot Cat's Tail	Shrub	Ornamental
<i>Acalypha indica</i> L.	Euphorbiaceae	Indian Acalypha	Herb	Medicinal
<i>Acalypha wilkesiana</i> Muell.-Arg.	Euphorbiaceae	Copper Leaf	Shrub	Ornamental
<i>Acanthocereus tetragonus</i> (L.) Hummelinck	Cactaceae	Triangle Cactus	Shrub	Medicinal,
<i>Achyranthes aspera</i> L.	Amaranthaceae	Prickly Chaff Flower	Herb	Medicinal
<i>Acorus calamus</i> L.	Araceae	Sweet Flag	Herb	Medicinal
<i>Adenium obesum</i> (Forssk.) Roem. & Schult	Apocyanaceae	Desert Rose	Shrub	Ornamental
<i>Aegle marmelos</i> (L.) Correa	Rutaceae	Beli Fruit	Tree	Medicinal, Edible Plant
<i>Aerva lanata</i> (L.) Juss.	Amaranthaceae	Mountain Knot Grass	Herb	Medicinal
<i>Agave cantula</i> (Haw.) Roxb.ex Salm-Dyck	Agavaceae	Cantala	Shurb	Medicinal
<i>Ageratina adenophora</i> (Spreng.) R.M.King & H.Rob.	Asteraceae	Catweed	Herb	Ornamental
<i>Ageratum conyzoides</i> (L.) L.	Asteraceae	Chick Weed	Herb	Medicinal
<i>Aglaonema crispum</i> (Pitcher & Manda) Nicolson	Araceae	Silver Queen	Herb	Ornamental
<i>Albizia lebbek</i> (L.) Benth.	Mimosaceae	Lebbeck Tree	Tree	Timber, Medicinal
<i>Albizia saman</i> (Jacq.) Merr.	Mimosaceae	Rain Tree	Tree	Timber, Fodder
<i>Allamanda schottii</i> Pohl	Apocyanaceae	Yellow Bell	Climber	Ornamental, Medicinal
<i>Allamanda blanchetii</i> A. DC.	Apocyanaceae	Purple Allamanda	Climber	Ornamental
<i>Allium cepa</i> L.	Liliaceae	Onion	Herb	Edible Plant, Medicinal
<i>Alloteropsis cimicina</i> (L.) Stapf	Poaceae	Summer Grass	Herb	Fodder
<i>Alocasia micholitziana</i> Sander	Araceae	Elephant's Ear Plant	Herb	Medicinal
<i>Alocasia odora</i> (Lindl.) K.Koch	Araceae	Night-scented Lily	Herb	Medicinal

<i>Alocasia sanderiana</i> W.Bull	Araceae	Kris Plant	Herb	Ornamental, Medicinal
<i>Aloe vera</i> (L.) Burm.f.	Liliaceae	Aloe	Herb	Medicinal
<i>Alpinia galanga</i> (L.) Willd.	Zingiberaceae	Greater Galangal	Herb	Medicinal
<i>Alpinia purpurata</i> (Vieill.) K.Schum.	Zingiberaceae	Red Ginger	Herb	Ornamental
<i>Alternanthera pungens</i> Kunth	Amaranthaceae	Khaki Weed	Herb	Medicinal
<i>Alternanthera sessilis</i> (L.) R. Br. ex DC.	Amaranthaceae	Sessile Joy Weed	Herb	Medicinal
<i>Alysicarpus monilifer</i> (L.) DC.	Fabaceae	Jhuhi Ghas	Herb	Fodder
<i>Alysicarpus vaginalis</i> (L.) DC.	Fabaceae	Alyce Clover	Herb	Medicinal
<i>Amaranthus spinosus</i> L.	Amaranthaceae	Prickly Amaranth	Herb	Edible Plant, Medicinal
<i>Amaranthus tricolor</i> L.	Amaranthaceae	Elephant-Head Amaranth	Herb	Edible Plant
<i>Amaranthus viridis</i> L.	Amaranthaceae	Green Amaranth	Herb	Edible Plant, Medicinal
<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Araceae	Elephant Yam	Herb	Edible Plant, Medicinal
<i>Anacardium occidentale</i> L.	Anacardiaceae	Cashew	Tree	Edible Plant, Medicinal
<i>Ananas comosus</i> (L.) Merr.	Bromeliaceae	Pine Apple	Herb	Edible Plant, Medicinal
<i>Andrographis echinoides</i> (L.f.) Nees	Acanthaceae	False Waterwillow	Herb	Medicinal
<i>Andrographis paniculata</i> (Burm.f.) Nees	Acanthaceae	King of Bitters	Herb	Medicinal
<i>Angelonia augustifolia</i> Benth.	Scrophulariaceae	Angel Flower	Herb	Ornamental
<i>Anisomeles indica</i> (L.) Kuntze	Lamiaceae	Indian Catmint	Herb	Medicinal
<i>Anisomeles malabarica</i> (L.) R.Br. ex Sims	Lamiaceae	Malabar Catmint	Herb	Medicinal
<i>Annona muricata</i> L.	Annonaceae	Prickly Custard Apple	Tree	Edible Plant, Medicinal
<i>Annona squamosa</i> L.	Annonaceae	Custard Apple	Tree	Edible Plant, Medicinal
<i>Anthurium clarinervium</i> Matuda	Araceae	White-Veined Anthurium	Herb	Ornamental
<i>Anthurium andraeanum</i> Linden ex André	Araceae	Flamingo Flower	Herb	Ornamental
<i>Antigonon leptopus</i> Hook. & Arn.	Polygonaceae	Hearts on a Chain	Climber	Ornamental
<i>Araucaria heterophylla</i> (Salisb.) Franco	Araucariaceae	Norfolk Island Pine	Tree	Ornamental
<i>Areca catechu</i> L.	Arecaceae	Betel Palm	Tree	Medicinal, Timber
<i>Aristolochia littoralis</i> Parodi	Aristolochiaceae	Calico Flower	Climber	Medicinal
<i>Artocarpus altilis</i> (Pakmson ex F.A.Zorn) Fosberg	Moraceae	Bread Fruit	Tree	Edible Plant, Timber

<i>Artocarpus heterophyllus</i> Lam.	Moraceae	Jack Fruit	Tree	Edible Plant, Timber, Fodder
<i>Artocarpus hirsutus</i> Lam.	Moraceae	Anjili	Tree	Edible Plant, Timber, Medicinal
<i>Asclepias curassavica</i> L.	Asclepiadaceae	Scarlet Milkweed	Herb	Ornamental, Medicinal
<i>Asparagus densiflorus</i> (Kunth) Jessop	Asparagaceae	Asparagus	Climber	Ornamental
<i>Asparagus setaceus</i> (Kunth) Jessop	Asparagaceae	Lacy Asparagus Fern	Climber	Ornamental
<i>Asystasia gangetica</i> (L.) T.Anderson	Acanthaceae	Creeping Fox Glove	Herb	Medicinal
<i>Asystasia gangetica</i> (L.) T.Anderson subsp. <i>micrantha</i> (Nees) Ensermu	Acanthaceae	Common Asystasia	Herb	Ornamental
<i>Averrhoa bilimbi</i> L.	Averrhoaceae	Bilimbi	Tree	Edible Plant
<i>Averrhoa carambola</i> L.	Averrhoaceae	Star Fruit	Tree	Edible Plant, Medicinal
<i>Axonopus compressus</i> (Sw.) P. Beauv.	Poaceae	Blanket Grass	Herb	Fodder
<i>Azadirachta indica</i> A. Juss.	Meliaceae	Neem	Tree	Medicinal, Timber
<i>Bambusa vulgaris</i> Schrad.	Poaceae	Bamboo	Tree	Ornamental, Timber, Fodder
<i>Barleria buxifolia</i> L.	Acanthaceae	Box-Leaved Barleria	Herb	Medicinal
<i>Barleria cristata</i> L.	Acanthaceae	Blue Bell Barleria	Herb	Medicinal, Ornamental
<i>Barleria elegans</i> S. Moore	Acanthaceae	White Bushveld Barleria	Herb	Medicinal
<i>Barleria prionitis</i> L.	Acanthaceae	Barleria	Herb	Medicinal
<i>Basella alba</i> L.	Basellaceae	Ceylon Spinach	Climber	Edible Plant, Medicinal
<i>Bauhinia acuminata</i> L.	Fabaceae	Dwarf White Bauhinia	Tree	Ornamental, Timber, Medicinal
<i>Begonia coccinea</i> Hook.	Begoniaceae	Angel-wing Begonia	Herb	Ornamental, Medicinal
<i>Benkara malabarica</i> (Lam.) Tireng.	Rubiaceae	Benkara	Shrub	Medicinal
<i>Beta vulgaris</i> L.	Chenopodiaceae	Beet Root	Herb	Edible Plant, Medicinal
<i>Billbergia pyramidalis</i> (Sims) Lindl.	Bromeliaceae	Foolproof Plant	Herb	Ornamental
<i>Blepharis maderaspatensis</i> (L.) Heyne ex Roth	Acanthaceae	Creeping Blepharis	Herb	Medicinal, Fodder
<i>Boerhavia diffusa</i> L.	Nyctaginaceae	Pig Weed	Herb	Medicinal, Edible Plant
<i>Boerhavia erecta</i> L.	Nyctaginaceae	Erect Spiderling	Herb	Medicinal
<i>Borassus flabellifer</i> L.	Arecaceae	Palm Tree	Tree	Edible Plant, Timber, Medicinal
<i>Bothriochloa pertusa</i> (L.) A.	Poaceae	Indian Blue Grass	Herb	Fodder

Camus				
<i>Bougainvillea spectabilis</i> Willd.	Nyctaginaceae	Paper Flower	Shrub	Ornamental
<i>Brassica juncea</i> (L.) Czern.	Brassicaceae	Mustard	Herb	Edible Plant, Medicinal
<i>Breynia retusa</i> (Dennst.) Alston	Euphorbiaceae	Breynia	Shrub	Medicinal
<i>Bryophyllum delagoense</i> (Eckl. & Zeyh.) Druce	Crassulaceae	Mother of Millions	Herb	Ornamental
<i>Caesalpinia pulcherrima</i> (L.) SW.	Caesalpinaceae	Peacock Flower	Shrub	Ornamental, Medicinal
<i>Caladium bicolor</i> (Aiton) Vent.	Araceae	Fancy-Leaf Caladium	Herb	Ornamental, Medicinal
<i>Calliandra surinamensis</i> Benth.	Mimosaceae	Pink Powder Puff	Shrub	Ornamental, Medicinal
<i>Bryophyllum pinnatum</i> (Lam.) Oken	Crassulaceae	Air Plant	Herb	Ornamental
<i>Calophyllum inophyllum</i> L.	Clusiaceae	Beauty Leaf	Tree	Medicinal
<i>Calotropis gigantea</i> (L.) Dryand.	Apocyanaceae	Milk Weed	Herb	Medicinal
<i>Canavalia ensiformis</i> (L.) DC.	Fabaceae	Horse Bean	Climber	Edible Plant
<i>Canna indica</i> L.	Cannaceae	Canna	Herb	Ornamental
<i>Canthium coromandelicum</i> (Burm.f.) Alston	Rubiaceae	Coromandel Canthium	Shrub	Edible Plant, Medicinal
<i>Capsicum annuum</i> L.	Solanaceae	Chili Pepper	Herb	Edible Plant, Medicinal
<i>Cardiospermum halicacabum</i> L.	Sapindaceae	Balloon Vine	Climber	Medicinal
<i>Carica papaya</i> L.	Caricaceae	Melon like Fruit	Tree	Medicinal, Edible
<i>Carissa carandas</i> L.	Apocyanaceae	Karanda	Shrub	Medicinal
<i>Carissa spinarum</i> L.	Apocyanaceae	Christ's Thorn	Shrub	Medicinal
<i>Caryota urens</i> L.	Arecaceae	Fish Tail Palm	Tree	Ornamental
<i>Cascabela thevetia</i> (L.) Lippold	Apocyanaceae	Yellow Oleander	Tree	Ornamental, Medicinal
<i>Cassia fistula</i> L.	Caesalpinaceae	Indian Laburnum Tree	Tree	Ornamental, Medicinal, Timber
<i>Casuarina equisetifolia</i> L.	Casuarinaceae	Casuarina	Tree	Timber
<i>Catharanthus roseus</i> (L.) G.Don	Apocyanaceae	Periwinkle	Shrub	Medicinal, Ornamental
<i>Celosia argentea</i> L.	Amaranthaceae	Cocks comb	Herb	Ornamental
<i>Celosia spicata</i> Spreng.	Amaranthaceae	Flamingo Feather	Herb	Ornamental
<i>Centella asiatica</i> (L.) Urban	Apiaceae	Water Penny Wort	Herb	Medicinal, Edible Plant
<i>Centratherum punctatum</i> Cass.	Asteraceae	Brazilian Button Flower	Herb	Ornamental
<i>Centrosema pubescens</i> Benth.	Fabaceae	Spurred Butterfly Pea	Climber	Medicinal, Fodder
<i>Chloris barbata</i> Sw.	Poaceae	Swollen Finger Grass	Herb	Fodder

<i>Chromolaena odorata</i> (L.) R.M. King & H. Rob.	Asteraceae	Siam Weed	Herb	Medicinal, Ornamental
<i>Chrysanthemum indicum</i> L.	Asteraceae	Chrysanthus	Herb	Ornamental, Medicinal
<i>Chrysothemis pulchella</i> (Donn ex Sims) Decne.	Gesneriaceae	Sunset Bells	Herb	Ornamental
<i>Cinnamomum iners</i> Reinw. ex Blume	Lauraceae	Clove Cinnamomum	Tree	Medicinal
<i>Cipadessa baccifera</i> (Roth) Miq.	Meliaceae	Ranabili	Tree	Medicinal
<i>Cissampelos pareira</i> L.	Menispermaceae	Velvet Leaf	Climber	Medicinal
<i>Cissus quadrangularis</i> L.	Vitaceae	Edible Stemmed Vine	Climber	Medicinal
<i>Cissus vitiginea</i> L.	Vitaceae	Tree Bine	Climber	Medicinal
<i>Citrullus colocynthis</i> (L.) Schrad.	Cucurbitaceae	Bitter Apple	Climber	Medicinal
<i>Citrus aurantifolia</i> (Christm.) Swingle	Rutaceae	Common Lime	Tree	Edible Plant, Medicinal
<i>Citrus limon</i> (L.) Burm. f.	Rutaceae	Lemon	Tree	Edible Plant, Medicinal
<i>Citrus maxima</i> (Burm.) Merr.	Rutaceae	Pomelo	Tree	Edible Plant
<i>Cleome gynandra</i> L.	Capparaceae	African Cabbage	Herb	Medicinal
<i>Cleome rutidosperma</i> DC.	Capparaceae	Fringed Spider Flower	Herb	Medicinal
<i>Cleome viscosa</i> L.	Capparaceae	Spider Flower	Herb	Medicinal
<i>Clitoria ternatea</i> L.	Fabaceae	Butterfly Pea	Climber	Medicinal
<i>Cnidioscolus aconitifolius</i> (Mill.) I.M. Johnst.	Euphorbiaceae	Spinach Tree	Tree	Medicinal, Edible Plant
<i>Coccinia grandis</i> (L.)	Cucurbitaceae	Ivy Gourd	Climber	Edible Plant, Medicinal
<i>Cocos nucifera</i> L.	Arecaceae	Coconut Palm	Tree	Edible Plant, Timber, Medicinal
<i>Codiaeum variegatum</i> (L.) Rumph. ex A. Juss	Euphorbiaceae	Croton	Shrub	Ornamental
<i>Coelogyne breviscapa</i> Lindl.	Orchidaceae	Short-Stem Coelogyne	Herb	Ornamental
<i>Coix lacryma-jobi</i> L.	Poaceae	Job's Tears	Herb	Ornamental
<i>Colocasia esculenta</i> (L.) Schott	Araceae	Taro	Herb	Edible Plant, Medicinal
<i>Commelina benghalensis</i> L.	Commelinaceae	Benghal Day Flower	Herb	Fodder, Medicinal
<i>Commelina clavata</i> C.B. Clarke	Commelinaceae	Willow Leaved Dayflower	Herb	Medicinal
<i>Corchorus aestuans</i> L.	Tiliaceae	Jute	Herb	Medicinal
<i>Cordyline fruticosa</i> (L.) A. Chev.	Asparagaceae	Hawaiian Ti Plant	Shrub	Ornamental
<i>Cosmos sulphureus</i> Cav.	Asteraceae	Orange Cosmos	Herb	Ornamental
<i>Costus pictus</i> D. Don	Costaceae	Painted Spiral	Herb	Ornamental, Medicinal

		Ginger		
<i>Crinum asiaticum</i> L.	Amaryllidaceae	Grand Crinum Lily	Herb	Ornamental, Medicinal
<i>Crossandra infundibuliformis</i> (L.) Nees	Acanthaceae	Crossandra	Herb	Ornamental
<i>Crossandra nilotica</i> Oliv.	Acanthaceae	Crossandra Orange	Herb	Ornamental
<i>Crotalaria juncea</i> L.	Fabaceae	Sunn Hemp	Shrub	Medicinal
<i>Crotalaria pallida</i> Aiton	Fabaceae	Smooth Rattle Pod	Herb	Medicinal
<i>Crotalaria retusa</i> L.	Fabaceae	Rattle Weed	Herb	Medicinal
<i>Crotalaria verrucosa</i> L.	Fabaceae	Blue Rattle Weed	Herb	Medicinal
<i>Croton bonplandianus</i> Baill.	Euphorbiaceae	Ban Tulsi	Herb	Medicinal
<i>Croton hirtus</i> L'Hér.	Euphorbiaceae	Hairy Croton	Herb	Medicinal
<i>Cucumis sativus</i> L.	Cucurbitaceae	Cucumber	Climber	Edible Plant, Medicinal
<i>Cucurbita maxima</i> Duchesne	Cucurbitaceae	Giant Pumpkin	Climber	Medicinal, Edible Plant
<i>Cupressus sempervirens</i> L.	Cupressaceae	Italian Cypress	Tree	Ornamental
<i>Curculigo orchioidea</i> Gaertn.	Hypoxidaceae	Golden Eye Grass	Herb	Medicinal
<i>Curcuma longa</i> L.	Zingiberaceae	Turmeric	Herb	Medicinal
<i>Cyanotis axillaris</i> (L.) D. Don ex Sweet	Commelinaceae	Blue Ears	Herb	Fodder, Medicinal
<i>Cyanthillium cinereum</i> (L.) H. Rob.	Asteraceae	Little Iron Weed	Herb	Medicinal
<i>Cycas circinalis</i> L.	Cycadaceae	Queen Sago	Tree	Ornamental, Edible Plant
<i>Cynodon dactylon</i> (L.) Pers.	Poaceae	Devil Grass	Herb	Medicinal, Fodder
<i>Cyperus rotundus</i> L.	Cyperaceae	Purple Nut Sedge	Herb	Medicinal
<i>Cyrtococcum trigonum</i> (Retz.) A. Camus	Poaceae	Short Leaf Grass	Herb	Fodder
<i>Dactyloctenium aegyptium</i> (L.) Willd.	Poaceae	Crowfoot Grass	Herb	Fodder
<i>Datura innoxia</i> Mill.	Solanaceae	Moon Flower	Herb	Medicinal
<i>Delonix regia</i> (Hook.) Raf.	Caesalpiniaceae	Flame Tree	Tree	Ornamental, Timber
<i>Desmodium gangeticum</i> (L.) DC.	Fabaceae	Sal Weed Desmodium	Herb	Medicinal
<i>Desmodium triflorum</i> (L.) DC.	Fabaceae	Beggar Weed	Herb	Medicinal
<i>Dianthus caryophyllus</i> L.	Caryophyllaceae	Carnation	Herb	Ornamental
<i>Dianthus chinensis</i> L.	Caryophyllaceae	Dianthus	Herb	Ornamental
<i>Dieffenbachia amoena</i>	Araceae	Dumb Cane	Herb	Ornamental
<i>Dieffenbachia seguine</i> (Jacq.) Schott	Araceae	Dumb Cane	Herb	Ornamental, Edible Plant

<i>Digera muricata</i> (L.) Mart.	Amaranthaceae	False Amaranth	Herb	Medicinal
<i>Digitaria bicornis</i> (Lam.) Roem. & Schult	Poaceae	Asian Crab Grass	Herb	Fodder
<i>Dioscorea oppositifolia</i> L.	Dioscoreaceae	Chinese Yam	Climber	Edible Plant, Medicinal
<i>Dracaena braunii</i> Engl.	Agavaceae	Lucky Bamboo	Shrub	Ornamental
<i>Dracaena reflexa</i> Lam.	Agavaceae	Pleomele	Shrub	Ornamental
<i>Duranta erecta</i> L.	Verbenaceae	Golden Dewdrops	Shrub	Ornamental
<i>Dypsis lutescens</i> (H. Wendl.) Beentje & J. Dransf.	Arecaceae	Golden Cane Palm	Tree	Ornamental
<i>Ecbolium ligustrinum</i> (Vahl) Vollesen	Acanthaceae	Green Shrimp Plant	Shrub	Medicinal
<i>Alocasia cadieri</i> Chantrier	Araceae	Aluminium Plant	Herb	Ornamental
<i>Eclipta prostrata</i> (L.) L.	Asteraceae	False Daisy	Herb	Medicinal
<i>Eleusine indica</i> (L.) Gaertn.	Poaceae	Goose Grass	Herb	Fodder
<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Asteraceae	Tassel Flower	Herb	Medicinal, Fodder
<i>Epidendrum radicans</i> Pav. ex Lindl.	Orchidaceae	Fire-star Orchid	Herb	Ornamental
<i>Epiphyllum oxypetalum</i> (DC.) Haw.	Cactaceae	Orchid Cactus	Climber	Ornamental
<i>Epipremnum aureum</i> (Linden & André) G.S. Bunting	Araceae	Devil's Claw Ivy	Climber	Ornamental
<i>Epipremnum pinnatum</i> (L.) Engl.	Araceae	Golden Phthos	Climber	Ornamental
<i>Episcia cupreata</i> (Hook.) Hanst.	Gesneriaceae	Carpet Plant	Herb	Ornamental
<i>Eragrostis amabilis</i> (L.) Wight & Arn.	Poaceae	Feather Lovegrass	Herb	Fodder
<i>Eriochloa procera</i> (Retz.) C.E. Hubb.	Poaceae	Tropical Cup Grass	Herb	Fodder
<i>Erythrina variegata</i> L.	Fabaceae	Indian Coral Tree	Tree	Timber, Medicinal
<i>Eucalyptus globulus</i> Labill.	Myrtaceae	Blue Gum	Tree	Medicinal, Timber
<i>Euphorbia antiquorum</i> L.	Euphorbiaceae	Indian Spurge	Shrub	Ornamental, Medicinal
<i>Euphorbia cyathophora</i> Murray	Euphorbiaceae	Mexican Fire Plant	Herb	Medicinal
<i>Euphorbia heterophylla</i> L.	Euphorbiaceae	Fire Plant	Herb	Medicinal
<i>Euphorbia hirta</i> L.	Euphorbiaceae	Asthma Weed	Herb	Medicinal, Fodder
<i>Euphorbia hispida</i> Boiss.	Euphorbiaceae	Bristly Spurge	Herb	Medicinal
<i>Euphorbia milii</i> Des Moul.	Euphorbiaceae	Christ Thorns	Herb	Ornamental
<i>Euphorbia thymifolia</i> L.	Euphorbiaceae	Chicken Weed	Shrub	Ornamental
<i>Euphorbia tirucalli</i> L.	Euphorbiaceae	Pencil Tree	Tree	Ornamental
<i>Euphorbia tithymaloides</i> L.	Euphorbiaceae	Red Bird Cactus	Shrub	Medicinal

<i>Evolvulus alsinoides</i> (L.) L.	Convolvulaceae	Dwarf Morning Glory	Herb	Medicinal
<i>Evolvulus nummularius</i> (L.) L.	Convolvulaceae	Roundleaf Bindweed	Herb	Medicinal
<i>Ficus benghalensis</i> L.	Moraceae	Banyan	Tree	Timber, Medicinal
<i>Ficus mollis</i> Vahl	Moraceae	Soft Fig	Tree	Timber
<i>Ficus religiosa</i> L.	Moraceae	Peepal Tree	Tree	Timber
<i>Gaillardia aristata</i> Pursh	Asteraceae	Fanfare	Herb	Ornamental
<i>Gaillardia pulchella</i> Foug.	Asteraceae	Fire Wheel	Herb	Ornamental
<i>Gardenia jasminoides</i> J.Ellis	Rubiaceae	Gardenia Cape Jasmine	Herb	Ornamental
<i>Gerbera jamesonii</i> Bolus ex Hook.f.	Asteraceae	Gerber Daisy	Herb	Ornamental
<i>Glandularia tenera</i> (Spreng.) Cabrera	Verbenaceae	Moss Verbena	Herb	Ornamental
<i>Gliricidia sepium</i> (Jacq.) Walp.	Fabaceae	Gliricidia	Tree	Ornamental
<i>Gloriosa superba</i> L.	Liliaceae	Glory Lily	Climber	Medicinal
<i>Gomphrena celosioides</i> Mart.	Amaranthaceae	Gomphrena Weed	Herb	Ornamental
<i>Gomphrena globosa</i> L.	Amaranthaceae	Globe Amaranth	Herb	Ornamental
<i>Gratophyllum pictum</i> (L.) Griff.	Acanthaceae	Caricature Plant	Shrub	Ornamental
<i>Grewia tiliifolia</i> Vahl.	Tiliaceae	Dhaman	Tree	Edible Plant
<i>Hamelia patens</i> Jacq.	Rubiaceae	Fire Bush	Shrub	Ornamental
<i>Hedychium coronarium</i> J.Konig	Zingiberaceae	White Ginger Lily	Herb	Medicinal
<i>Helianthus annuus</i> L.	Asteraceae	Sun Flower	Shrub	Medicinal
<i>Heliconia rostrata</i> Ruiz & Pav.	Heliconiaceae	Lobster Claw	Herb	Ornamental
<i>Heliopsis helianthoides</i> (L.) Sweet	Asteraceae	False Sunflower	Herb	Ornamental
<i>Heliotropium indicum</i> L.	Boraginaceae	Tree Heliotrope	Herb	Ornamental
<i>Hemidesmus indicus</i> (L.) R. Br.ex Schult.	Apocyanaceae	Indian Sarsaparilla	Climber	Medicinal
<i>Hevea brasiliensis</i> (Willd. ex A.Juss.) Mull.Arg.	Euphorbiaceae	Rubber Tree	Tree	Timber
<i>Hibiscus mutabilis</i> L.	Malvaceae	Changeable Rose	Tree	Ornamental
<i>Hibiscus rosa sinensis</i> L.	Malvaceae	Shoe Flower	Shrub	Ornamental, Medicinal
<i>Hibiscus schizopetalus</i> (Dyer) Hook.f.	Malvaceae	Coral Hibiscus	Shrub	Ornamental
<i>Hibiscus vitifolius</i> L.	Malvaceae	Tropical Rose Mallow	Shrub	Ornamental, Medicinal
<i>Hippeastrum puniceum</i> (Lam.) Voss	Amaryllidaceae	Barbados Lily	Shrub	Ornamental

<i>Hippeastrum reticulatum</i> (L'Her.) Herb	Amaryllidaceae	Knight Star Lily	Herb	Ornamental
<i>Hygrophilla costata</i> Nees	Acanthaceae	Bell Weed	Herb	Ornamental
<i>Hybanthus enneaspermus</i> (L.) F.Muell.	Violaceae	Spade Flower	Herb	Medicinal
<i>Hyptis suaveolens</i> (L.) Poit.	Lamiaceae	Pig Nut	Herb	Medicinal
<i>Impatiens balsamina</i> L.	Balsaminaceae	Garden Balsam	Herb	Ornamental
<i>Impatiens walleriana</i> Hook.f.	Balsaminaceae	Busy Lizzy	Herb	Ornamental
<i>Indigofera linnaei</i> Ali	Fabaceae	Birdsville Indigo	Herb	Ornamental
<i>Ipomoea pes-tigridis</i> L.	Convolvulaceae	Tiger Foot Morning Glory	Climber	Ornamental, Medicinal
<i>Ipomoea batatas</i> (L.) Poir.	Convolvulaceae	Sweet Potato	Climber	Edible Plant, Medicinal
<i>Ipomoea carnea</i> Jacq.	Convolvulaceae	Bush Morning Glory	Shrub	Ornamental
<i>Ipomoea nil</i> (L.) Roth	Convolvulaceae	Ivy Morning Glory	Climber	Ornamental
<i>Ipomoea obscura</i> (L.) Ker Gawl.	Convolvulaceae	Obscure Morning Glory	Climber	Medicinal
<i>Ipomoea quamoclit</i> L.	Convolvulaceae	Cypress Vine	Climber	Ornamental
<i>Ipomoea triloba</i> L.	Convolvulaceae	Pink Convolvulus	Climber	Ornamental
<i>Iresine herbstii</i> Hook.	Amaranthaceae	White Licorice	Herb	Medicinal
<i>Ixora coccinea</i> L.	Rubiaceae	Ixora Red	Herb	Ornamental
<i>Ixora finlaysoniana</i> Wall. ex G.Don	Rubiaceae	White Ixora	Herb	Ornamental
<i>Ixora pavetta</i> Andr.	Rubiaceae	Small Flowered Ixora	Tree	Ornamental
<i>Jasminum angustifolium</i> (L.) Willd.	Oleaceae	Wild Jasmine	Climber	Ornamental
<i>Jasminum grandiflorum</i> L.	Oleaceae	Catalonian Jasmine	Climber	Ornamental
<i>Jasminum sambac</i> (L.) Sol.	Oleaceae	Arabian Jasmine	Shrub	Ornamental
<i>Jatropha curcas</i> L.	Euphorbiaceae	Physic Nut	Shrub	Medicinal
<i>Jatropha gossypifolia</i> L.	Euphorbiaceae	Bellyache Bush	Herb	Medicinal
<i>Justicia adhatoda</i> L.	Acanthaceae	Malabar Nut	Shrub	Medicinal
<i>Justicia gendarussa</i> Burm. f.	Acanthaceae	Willow-Leaved Justicia	Herb	Ornamental
<i>Justicia japonica</i> Thunb.	Acanthaceae	Justicia	Herb	Medicinal
<i>Justicia procumbens</i> L.	Acanthaceae	Waterwillow	Herb	Medicinal
<i>Justicia tranquebariensis</i> L. f.	Acanthaceae	Justicia	Herb	Medicinal
<i>Kaempferia pulchra</i> Ridl.	Zingiberaceae	Peacock Plant	Herb	Medicinal

<i>Kalanchoe blossfeldiana</i> Poelln.	Crassulaceae	Kalanchoe	Herb	Ornamental
<i>Kopsia fruticosa</i> (Roxb.) A.DC.	Apocyanaceae	Shrub Vinca	Shrub	Ornamental
<i>Kyllinga odorata</i> Vahl	Cyperaceae	Whitehead Spikesedge	Herb	Ornamental
<i>Lablab purpureus</i> (L.) Sweet	Fabaceae	Lablab Bean	Climber	Edible Plant
<i>Lantana camara</i> L.	Verbenaceae	Lantana	Shrub	Edible Plant, Medicinal
<i>Lawsonia inermis</i> L.	Lythraceae	Henna	Tree	Medicinal
<i>Leucas aspera</i> (Willd.) Link	Lamiaceae	Common Leucas	Herb	Medicinal
<i>Leucas biflora</i> (Vahl) R.Br. ex Sm.	Lamiaceae	Two-Flowered Leucas	Herb	Medicinal
<i>Limonia acidissima</i> L.	Rutaceae	Wood Apple	Tree	Edible Plant
<i>Lycopersicon esculentum</i> Mill.	Solanaceae	Tomato	Herb	Edible Plant, Medicinal
<i>Magnolia champaca</i> (L.) Baill. ex. pierre	Magnoliaceae	Joy Perfume Tree	Tree	Ornamental, Medicinal, Timber
<i>Malavaviscus arboreus</i> Cav.	Malvaceae	Turk's Turban	Shrub	Medicinal
<i>Malus domestica</i> Borkh.	Rosaceae	Apple	Tree	Edible Plant
<i>Malvastrum coromandelianum</i> (L.) Garcke	Malvaceae	False Mallow	Herb	Medicinal
<i>Mammillaria mammillaris</i> (L.) H.Karst.	Cactaceae	Woolly Nipple Cactus	Herb	Ornamental
<i>Mangifera indica</i> L.	Anacardiaceae	Mango	Tree	Edible Plant, Medicinal, Timber
<i>Manihot esculenta</i> Crantz	Euphorbiaceae	Cassava	Shrub	Edible Plant
<i>Manilkara zapota</i> (L.) P. Royen	Sapotaceae	Naseberry	Tree	Edible Plant
<i>Melampodium divaricatum</i> (Rich.) DC.	Asteraceae	Butter Daisy	Herb	Ornamental
<i>Mentha arvensis</i> L.	Lamiaceae	Field Mint	Herb	Medicinal
<i>Merremia tridentata</i> (L.) Hallier f.	Convolvulaceae	Kidney-Leaf Morning Glory	Herb	Medicinal
<i>Micrococca mercurialis</i> (L.) Benth.	Euphorbiaceae	Sierra Leone	Herb	Ornamental
<i>Millingtonia hortensis</i> L.f.	Bignoniaceae	Indian Cork Tree	Tree	Ornamental
<i>Mimosa pudica</i> L.	Mimosaceae	Sensitive Plant	Herb	Medicinal
<i>Mirabilis jalapa</i> L.	Nyctaginaceae	Four O'clock	Shrub	Ornamental
<i>Mollugo pentaphylla</i> L.	Molluginaceae	Five Leaved Carpetweed	Herb	Medicinal
<i>Momordica charantia</i> L.	Cucurbitaceae	Bitter Gourd	Climber	Edible Plant, Medicinal
<i>Monstera deliciosa</i> Liebm.	Araceae	Swiss Cheese Plant	Climber	Medicinal
<i>Morinda coreia</i> Buch. Ham.	Rubiaceae	Indian Mulberry	Tree	Timber, Medicinal

<i>Morinda citrifolia</i> L.	Rubiaceae	Morinda Tree	Tree	Timber, Medicinal
<i>Moringa oleifera</i> Lam.	Moringaceae	Drumstick Tree	Tree	Edible Plant, Medicinal
<i>Morus alba</i> L.	Moraceae	Mulberry	Tree	Edible Plant
<i>Muehlenbeckia platyclados</i> (F.Muell.) Meisn.	Polygonaceae	Tapeworm Plant	Herb	Medicinal
<i>Mukia maderaspatana</i> (L.) M.Roem.	Cucurbitaceae	Madras Pea Pumpkin	Climber	Medicinal
<i>Muntingia calabura</i> L.	Muntingiaceae	Jamaica Cherry	Tree	Edible Plant
<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae	Curry Leaf	Tree	Edible Plant
<i>Musa paradisiaca</i> L.	Musaceae	Banana	Tree	Edible Plant, Medicinal
<i>Mussaenda erythrophylla</i> Schumach. & Thonn.	Rubiaceae	Red Flag Bush	Shrub	Ornamental
<i>Mussaenda frondosa</i> L.	Rubiaceae	White Flag	Shrub	Ornamental
<i>Mussaenda philippica</i> A.Rich.	Rubiaceae	Mussaenda	Shrub	Ornamental
<i>Neomarica gracilis</i> (Herb.) Sprague	Iridaceae	Walking Iris	Herb	Ornamental
<i>Nephrolepis exaltata</i> (L.) Schott	Nephrolepidaceae	Swordfern	Herb	Ornamental, Medicinal
<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Night Flowering Jasmine	Shrub	Ornamental
<i>Ocimum americanum</i> L.	Lamiaceae	Lime Hairy Basil	Herb	Medicinal
<i>Ocimum basilicum</i> L.	Lamiaceae	Sweet Basil	Herb	Medicinal
<i>Ocimum tenuiflorum</i> L.	Lamiaceae	Holy Basil	Herb	Medicinal
<i>Oldenlandia corymbosa</i> L.	Rubiaceae	Diamond Flower	Herb	Medicinal
<i>Oldenlandia umbellata</i> L.	Rubiaceae	Choy Root	Herb	Medicinal
<i>Opuntia stricta</i> (Haw.) Haw.	Cactaceae	Australian Pest Pear	Shrub	Medicinal
<i>Oryza sativa</i> L.	Poaceae	Asian Rice	Herb	Edible Plant, Medicinal
<i>Pachystachys lutea</i> Nees	Acanthaceae	Lollipop Plant	Herb	Ornamental
<i>Pandanus amaryllifolius</i> Roxb.	Pandanaceae	Ramba	Herb	Medicinal
<i>Parthenium hysterophorus</i> L.	Asteraceae	Santa Maria Feverfew	Herb	Medicinal
<i>Paspalidium flavidum</i> (Retz.) A.Camus	Poaceae	Yellow Watercrown Grass	Herb	Fodder
<i>Passiflora edulis</i> Sims	Passifloraceae	Passion Fruit	Climber	Edible Plant, Medicinal
<i>Passiflora foetida</i> L.	Passifloraceae	Stinking Passion Flower	Climber	Edible Plant
<i>Pavonia zeylanica</i> Cav.	Malvaceae	Ceylon Swamp Mallow	Herb	Ornamental
<i>Pedaliium murex</i> L.	Pedaliaceae	Large Caltrops	Herb	Medicinal

<i>Pelargonium hortorum</i> L.H.Bailey	Geraniaceae	Geranium	Herb	Ornamental
<i>Peltophorum pterocarpum</i> (DC.) K.Heyne	Caesalpinaceae	Copperpod	Tree	Ornamental
<i>Pennisetum polystachion</i> (L.) Schult.	Poaceae	Misson Grass	Herb	Fodder
<i>Pentas lanceolata</i> (Forssk.) Deflers	Rubiaceae	Egyptian Starcluster	Herb	Ornamental
<i>Peperomia pellucida</i> (L.) Kunth	Piperaceae	Shiny Bush	Herb	Medicinal
<i>Pereskia bleo</i> (Kunth) DC.	Cactaceae	Rose Cactus	Shrub	Ornamental
<i>Pergularia daemia</i> (Forssk.) Chiov.	Asclepiaceae	Pergularia	Climber	Medicinal
<i>Phyllanthus acidus</i> (L.) Skeels	Euphorbiaceae	Star Gooseberry	Tree	Edible Plant, Medicinal
<i>Phyllanthus debilis</i> Klein ex Willd.	Euphorbiaceae	Niruri	Herb	Medicinal
<i>Phyllanthus emblica</i> L.	Euphorbiaceae	Amla	Tree	Medicinal, Edible Plant
<i>Phyllanthus maderaspatensis</i> L.	Euphorbiaceae	Madras Leaf- Flower	Herb	Medicinal
<i>Phyllanthus amarus</i> Schumach.	Euphorbiaceae	Carry Me Seed	Herb	Medicinal
<i>Phyllanthus reticulatus</i> Poir.	Euphorbiaceae	Black-Noney Shrub	Shrub	Medicinal
<i>Physalis minima</i> L.	Solanaceae	Wild Cape Gooseberry	Herb	Medicinal
<i>Pilea microphylla</i> (L.) Liebm	Urticaceae	Artillery Plant	Herb	Ornamental
<i>Piper betle</i> L.	Piperaceae	Betel	Climber	Medicinal
<i>Piper longum</i> L.	Piperaceae	Indian Long Pepper	Climber	Medicinal
<i>Piper nigrum</i> L.	Piperaceae	Black Pepper	Climber	Medicinal
<i>Pisonia umbellifera</i> (J.R. Forst. & G. Forst.) Seem.	Nyctaginaceae	Bird Lime Tree	Tree	Ornamental
<i>Plectranthus amboinicus</i> (Lour.) Spreng	Lamiaceae	Mexican Mint	Herb	Medicinal
<i>Plectranthus scutellarioides</i> (L.) R. Br.	Lamiaceae	Painted Nettle	Herb	Medicinal
<i>Plumbago acuriculata</i> Lam.	Plumbaginaceae	Cape Leadwort	Shrub	Ornamental
<i>Plumbago zeylanica</i> L.	Plumbaginaceae	White Leadwort	Shrub	Medicinal
<i>Plumeria rubra</i> L.	Apocyanaceae	Plumeria	Tree	Medicinal, Ornamental
<i>Pogonatherum paniceum</i> (Lam.) Hack.	Poaceae	Baby Bamboo	Herb	Fodder
<i>Polianthes tuberosa</i> L.	Asparagaceae	Mexican Tuberose	Shrub	Ornamental
<i>Polyalthia longifolia</i> (Sonn.)	Annonaceae	Ashok Tree	Tree	Ornamental

Thwaites				
<i>Polyscias fruticosa</i> (L.) Harms	Araliaceae	Ming Aralia	Shrub	Ornamental
<i>Polyscias scutellaria</i> (Burm.f.) Fosberg	Araliaceae	Shield Aralia	Shrub	Ornamental
<i>Pongamia pinnata</i> (L.) Pierre	Fabaceae	Pongam Tree	Tree	Medicinal
<i>Portulaca grandiflora</i> Hook.	Portulacaceae	Moss-Rose	Herb	Ornamental
<i>Portulaca oleracea</i> L.	Portulacaceae	Common Purslane	Herb	Edible Plant, Medicinal
<i>Portulaca umbraticola</i> Kunth	Portulacaceae	Wing Pod Purslane	Herb	Ornamental
<i>Pouteria campechiana</i> (Kunth) Baehni	Sapotaceae	Egg Fruit	Tree	Edible Plant
<i>Proiphys amboinensis</i> (L.) Herb.	Amaryllidaceae	Cardwell Lily	Herb	Ornamental
<i>Pseudarthria viscida</i> (L.) Wight & Arn.	Mimosaceae	Salaparni	Herb	Medicinal
<i>Pseuderanthemum carruthersii</i> (Seem.) Guillaumin	Acanthaceae	Purple Pseuderanthemum	Shrub	Ornamental
<i>Pseuderanthemum laxiflorum</i> (A. Gray) F.T. Hubb.ex L.H.Bailey	Acanthaceae	Shooting Star	Herb	Ornamental
<i>Psidium guajava</i> L.	Myrtaceae	Guava	Tree	Edible Plant, Medicinal
<i>Punica granatum</i> L.	Punicaceae	Pomegranite	Tree	Edible Plant, Medicinal
<i>Combretum indicum</i> (L.) DeFilipps	Combretaceae	Rangoon Creeper	Climber	Ornamental
<i>Rhinacanthus nasutus</i> (L.) Kurz	Acanthaceae	Snake Jasmine	Shrub	Ornamental
<i>Rhynchosia minima</i> (L.) DC.	Fabaceae	Snout-Bean	Climber	Edible Plant
<i>Ricinus communis</i> L.	Euphorbiaceae	Castor Bean	Shrub	Medicinal
<i>Rivina humilis</i> L.	Phytolaccaceae	Pigeonberry	Herb	Ornamental
<i>Rosa indica</i> L.	Rosaceae	Rose	Shrub	Ornamental
<i>Ruellia elegans</i> Poir.	Acanthaceae	Brazilian Petunia	Herb	Medicinal
<i>Ruellia prostrata</i> Poir.	Acanthaceae	Bell Weed	Herb	Medicinal
<i>Ruellia simplex</i> C.Wright	Acanthaceae	Mexican Petunia	Herb	Medicinal
<i>Ruellia tuberosa</i> L.	Acanthaceae	Waterkanon	Shrub	Medicinal
<i>Russelia equisetiformis</i> Schltdl. & Cham.	Plantaginaceae	Firecracker Plant	Shrub	Ornamental
<i>Saccharum officinarum</i> L.	Poaceae	Sugarcane	Herb	Edible Plant
<i>Sansevieria trifasciata</i> Prain	Agavaceae	Snake Plant	Herb	Ornamental
<i>Sansevieria roxburghiana</i> Schult. & Schult.f.	Agavaceae	Indian Bowstring Hemp	Herb	Ornamental
<i>Santalum album</i> L.	Santalaceae	Sandel Wood	Tree	Medicinal
<i>Sauropus androgynus</i> (L.) Merr.	Euphorbiaceae	Sweet Leaf	Shrub	Edible Plant

<i>Scadoxus multiflorus</i> (Martyn) Raf.	Amaryllidaceae	Monsoon Lily	Herb	Ornamental
<i>Scoparia dulcis</i> L.	Scrophulariaceae	Sweet Broom Weed	Herb	Medicinal
<i>Senna alata</i> (L.) Roxb.	Caesalpiniaceae	Candle Bush	Shrub	Ornamental
<i>Senna auriculata</i> (L.)Roxb.	Caesalpiniaceae	Tanner's Cassia	Tree	Medicinal
<i>Senna occidentalis</i> (L.) Link	Caesalpiniaceae	Coffee Senna	Tree	Medicinal
<i>Sesamum indicum</i> L.	Pedaliaceae	Sesame	Herb	Edible Plant
<i>Sida acuta</i> Burm.f.	Malvaceae	Common Wireweed	Herb	Medicinal
<i>Sida cordata</i> (Burm.f.) Borss.Waalk.	Malvaceae	Country Mallow	Herb	Medicinal
<i>Sida cordifolia</i> L.	Malvaceae	Heart Leaf Sida	Herb	Medicinal
<i>Sida rhombifolia</i> L.	Malvaceae	Arrow Leaf Sida	Herb	Medicinal
<i>Solanum americanum</i> Mill.	Solanaceae	Black Nightshade	Herb	Medicinal
<i>Solanum melongena</i> L.	Solanaceae	Brinjal	Herb	Edible Plant
<i>Solanum torvum</i> Sw.	Solanaceae	Turkey Berry	Shrub	Medicinal
<i>Solanum trilobatum</i> L.	Solanaceae	Thai nightshade	Climber	Medicinal
<i>Solanum tuberosum</i> L.	Solanaceae	Potato	Herb	Edible Plant
<i>Solanum virginianum</i> L.	Solanaceae	Thorny Nightshade	Herb	Medicinal
<i>Solena amplexicaulis</i> (Lam.)	Cucurbitaceae	Creeping Cucumber	Climber	Edible Plant
<i>Spathoglottis plicata</i> Blume	Orchidaceae	Philliline Orchid	Herb	Ornamental
<i>Spermacoce hispida</i> L.	Rubiaceae	Shaggy Button Weed	Herb	Medicinal
<i>Spermacoce ocymoides</i> Burm.f.	Rubiaceae	Purple Leaved Button Weed	Herb	Medicinal
<i>Sphagneticola trilobata</i> (L.) Pruski	Asteraceae	Singapore Daisy	Herb	Ornamental
<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Verbenaceae	Blue Snake Weed	Herb	Medicinal
<i>Strophanthus gratus</i> (Wall. & Hook.) Baill.	Apocyanaceae	Climbing Oleander	Shrub	Ornamental
<i>Stylosanthes fruticosa</i> (Retz.) Alston	Fabaceae	Shrubby Pencil-Flower	Herb	Ornamental
<i>Symphyotrichum novi-belgii</i> (L.) G.L.Nesom	Asteraceae	New York Aster	Herb	Ornamental
<i>Synedrella nodiflora</i> (L.) Gaertn.	Asteraceae	Cinderella Weed	Herb	Medicinal
<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	Jambul	Tree	Edible Plant, Timber, Medicinal
<i>Syzygium jambos</i> (L.) Alston	Myrtaceae	Malabar Plum	Tree	Edible

				Plant, Medicinal, Timber
<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult.	Apocyanaceae	Crape Jasmine	Tree	Medicinal
<i>Tagetes erecta</i> L.	Asteraceae	Mexican Marigold	Shrub	Ornamental
<i>Talinum fruticosum</i> (L.) Juss.	Portulacaceae	Cylon Spinach	Herb	Edible Plant
<i>Tamarindus indica</i> L.	Caesalpinaceae	Tamarind	Tree	Edible Plant, Timber, Medicinal
<i>Tecoma stans</i> (L.) Juss. ex Kunth	Bignoniaceae	Yellow Trumpetbush	Shrub	Ornamental
<i>Tecoma capensis</i> (Thunb.) Lindl.	Bignoniaceae	Cape Honeysuckle	Shrub	Ornamental
<i>Tectona grandis</i> L.f.	Verbenaceae	Teak	Tree	Timber, Medicinal
<i>Tephrosia purpurea</i> (L.) Pers.	Fabaceae	Wild Indigo	Herb	Timber
<i>Terminalia catappa</i> L.	Combretaceae	Tropical Almond	Tree	Edible Plant, Timber, Medicinal
<i>Thespesia populnea</i> (L.) Sol. ex Corrêa	Malvaceae	Portia Tree	Tree	Timber, Medicinal
<i>Thuja occidentalis</i> L.	Cupressaceae	Thuja	Tree	Ornamental
<i>Tinospora cordifolia</i> (Willd.) Miers	Menispermaceae	Guduchi	Climber	Medicinal
<i>Tithonia diversifolia</i> (Hemsl.) A.Gray	Asteraceae	Mexican Sun Flower	Shrub	Ornamental
<i>Tithonia rotundifolia</i> (Mill.) S.F.Blake	Asteraceae	Mexican Sun Flower	Shrub	Medicinal
<i>Toddalia asiatica</i> (L.) Lam.	Rutaceae	Forest pepper	Climber	Medicinal
<i>Torenia fournieri</i> Linden ex E.Fourn.	Linderniaceae	Wishbone Flower	Herb	Ornamental
<i>Tradescantia pallida</i> (Rose) D.Rt.Hun	Commelinaceae	Purple Heart	Herb	Ornamental
<i>Tradescantia spathacea</i> Sw.	Commelinaceae	Oyster Plant	Herb	Ornamental
<i>Trichosanthes cucumerina</i> L.	Cucurbitaceae	Snake Gourd	Climber	Edible Plant
<i>Tridax procumbens</i> L.	Asteraceae	Coat Buttons	Herb	Medicinal
<i>Triumfetta rhomboidea</i> Jacq.	Tiliaceae	Bur Bush	Herb	Medicinal
<i>Tylophora indica</i> (Burm. f.) Merr.	Asclepiaceae	Indian Ipecac	Climber	Medicinal
<i>Urena sinuata</i> L.	Malvaceae	Burr Mallow	Shrub	Ornamental
<i>Vanda tessellata</i> (Roxb.) Hook. ex G.Don	Orchidaceae	Checkered Vanda	Herb	Ornamental
<i>Verbena hybrida</i> Voss	Verbenaceae	Verbena	Herb	Ornamental
<i>Vigna mungo</i> (L.) Hepper	Fabaceae	Black Gram	Herb	Edible Plant
<i>Vitex negundo</i> L.	Verbenaceae	Five-Leaved Chaste Tree	Tree	Medicinal

<i>Vitex trifolia</i> L.	Verbenaceae	Indian Wild Pepper	Tree	Medicinal
<i>Vitis vinifera</i> L.	Vitaceae	Grape	Climber	Edible Plant, Medicinal
<i>Volkameria inermis</i> L.	Lamiaceae	Glory Bower	Shrub	Medicinal
<i>Zephyranthes citrina</i> Baker	Amaryllidaceae	Yellow Rain Lily	Herb	Ornamental
<i>Zephyranthes rosea</i> Lindl.	Amaryllidaceae	Rain Lily Rose	Herb	Ornamental
<i>Zingiber officinale</i> Roscoe	Zingiberaceae	Zinger	Herb	Medicinal, Edible Plant
<i>Zinnia elegans</i> Jacq.	Asteraceae	Zinnia	Herb	Ornamental
<i>Ziziphus oenopolia</i> (L.) Mill.	Rhamnaceae	Jackle Jujube	Shrub	Edible Plant
<i>Zornia diphylla</i> (L.) Pers.	Fabaceae	Maconha Brava	Herb	Medicinal