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Ethnomedicinal plants used by Irula tribe in Tamil Nadu, India: A review

Introduction

Tamil Nadu is one of the largest states, situated in Southern India latitude 11.1271° N and longitude 78.6569° E, comprising 38 districts, with state boundaries of Kerala and Karnataka at South West, and Andhra Pradesh at South East. In South India, about 105 ethnic groups were distributed (Kumar et al., 2019), with 1.05% of the total population under 36 scheduled tribal communities in Tamil Nadu state (Ayyanar, 2013). The community 'Irular' or 'Irula' are one of the dominant scheduled tribes in Tamil Nadu. They belong to the Negrito race, which is one of the six main ethnic groups (Deepa et al., 2002; Newmaster, Ragupathy, 2007).

Irulas are distributed in the Southern Western Ghats, of Tamil Nadu, Kerala and Karnataka (Ramachandran, Nair, 1981; Devi, Mani, 2014), and they widely speak the Dravidian language. The community inhabits different districts of Tamil Nadu, with a major part in the Southern Western Ghats, of Coimbatore and Nilgiris, followed by Erode, Krishnagiri, Vellore, Kancheepuram, Chennai, Ariyalur and Tanjavur. In Coimbatore, the major are distributed in Anaikatty, Mankkarai, Boluvampatty, Siruvani, Maruthamalai, Palamalai, Karamadai, Nelithurai, and Anaimalais (Ramachandran, Manian, 1989; Palanisamy, 1993; Balasubramanian, Prasad, 1996; Padmavathi, Ramdass, 2014). In Nilgiris, Masinagudi, Mudumalai, Kotagiri, Coonoor, and Geddai were dominant (Rajan et al., 2001; Rajan et al., 2002; Murugesan et al., 2005; Nahendran, 2023). The settlements in the northern districts of Tamil Nadu were migrated from Kerala,

Karnataka and the north-western region of Tamil Nadu (Solomon, 2018).

Irulas live in communal hamlets located in rural areas in forests or on forest edges at altitudes of 600 to 1,800 m above sea level (Fig. 1 – Appendix 1). The community has ultimate folk and traditional knowledge of flora, fauna and biodiversity, there are also well-trained people for rescuing snakes and field rats, mostly from the northeastern districts of Tamil Nadu (Gnanavel, Jose, 2014). These tribes also engaged as freelance labourers in estates and agricultural fields such as tea, coffee, coconut, areca nuts, and vegetables. They also perform organic cultivation of cereals, pulses, leafy vegetables, fruit crops, medicinal herbs, rhizomes and sacred plants on their land for their daily supplement and livelihood (Fig. 2 – Appendix 1) (Jain, 1981; Abraham, 1981; Samyudurai, Rajendran, 2019).

Traditional healers from Irula villages have extensive experience and have been learning for centuries from their ancestors. Their livelihood source consists of collecting various forest products, such as bamboo, wild herbs, rhizomes, honey, dyes, wax, and nuts for outlet selling in the ecodevelopment centre. The community holds some valuable secrets to the medicinal and other properties of herbs for different ailments and disorders. The comparative analyses undertaken here aimed to prepare a list of medicinal herbs and other useful plants used by the indigenous community Irula in traditional medicine to treat various types of ailments, based on the available bibliography.

Material and methods

An extensive effort has been made to review and analyse the research work on ethnobotanical and medicinal plants of Irula tribes in Tamil Nadu, India (Fig. 3A – Appendix 1). All the scientific publications, dissertations, thesis, project and field reports, conference proceedings, book chapters, journals and unpublished articles of the study were collected from the past four decades. Search engines such as Research Gate, Academia, Google Scholar, Semantic Scholar, Shodhganga, tribalresearch.net, and several online libraries were accessed for collecting the literature. Technical reports and unpublished articles were collected from the authors through personal communication. Theoretical notes and ancient novel records were also analysed. A few invalid and undefined publications to the objective were excluded or unavailable from the respective journal.

Traditional healers and informants in the villages of Nilgiris and Coimbatore districts were personally interviewed and the present status of the herbal usage was reviewed. Some issues related to this topic are illustrated with photographs taken directly in the field. Some interesting livelihood and medicinal plants are illustrated with photographs taken directly in the field (Fig. 1, 2 – Appendix 1). The usage and consumption of medicinal herbs compared to recent medical applicants were also revised. The ailments were grouped into fifteen different types as major disorders (Ramachandran, Nair,

1981; Lakshmanan, Sankara Narayanan, 1988; Venkatachalapathi et al., 2015; Bushil et al., 2021; Monari et al., 2022; Bargil et al., 2022). Each code number for broad type represents the major disorders and ailments.

The author's name, year of publication, and species recorded in respective districts were enumerated in table (1) – Appendix 2. The distribution map of published articles was digitised using QGIS software (Fig. 3B – Appendix 1). The botanical nomenclature and system of classification were used according to APG-IV, WFO (<https://wfoplantlist.org/plant-list>) and the species name is updated and follows (POWO, 2023). In the main list, the arrangement of families and the arrangement of species within a family are given alphabetically.

Result and discussion

A total of 75 publications on ethnobotanical and medicinal plants used by the indigenous tribal community Irulas for their major ailments in day-to-day life in Tamil Nadu, India was reviewed. Among those, 60 studies with special reference to ethnobotanical and medicinal plants of the particular tribal community were considered for the analysis. The review shows that most of the publications were from Coimbatore and Nilgiris districts, indicating that the ethnic community is highly dispersed in these regions of the state, followed by Erode and Kancheepuram. Available data sources from Ariyalur, Chennai, Krishnagiri and Vellore districts provide only minimal reporting. The details of the publication with species recorded in studied districts are provided in table (1) – Appendix 2.

Plant diversity

In total, the Irulas community in Tamil Nadu used 663 plant species belonging to 462 genera and 121 families. The life forms of herbs were dominant with 229 species (34%), followed by trees with 201 species (31%), shrubs with 148 species (22%) and climbers with 85 species (13%). Family Fabaceae were the most dominant with 77 species, followed by Apocynaceae Juss. with 35 species, Lamiaceae Martinov with 26 species, Malvaceae Juss. with 24 species, Acanthaceae Juss. and Asteraceae Giseke with 22 species each. The most dominant families with habit are given in table (2).

Tab. 2. Dominant family contribution to total plant species

Family	Species	Herb	Shrub	Climber	Tree
Fabaceae Juss.	77	14	26	2	35
Apocynaceae Juss.	35	6	12	15	2
Lamiaceae Martinov	26	14	7	1	4
Malvaceae Juss.	24	4	14	-	6

Acanthaceae Juss.	22	15	6	1	-
Asteraceae Giseke	22	18	4	-	-
Euphorbiaceae Juss.	21	8	9	-	4
Phyllanthaceae Martinov	18	7	5	-	6
Solanaceae Adans.	18	12	6	-	-
Amaranthaceae Juss.	16	16	-	-	-
Rubiaceae Juss.	16	4	5	2	5
Convolvulaceae Juss.	15	2	1	12	-
Moraceae Gaudich.	15	-	-	-	15
Rutaceae Juss.	15	2	3	1	9
Poaceae Barnhart	15	13	-	-	2
Cucurbitaceae Juss.	13	-	-	13	-
Capparaceae Juss.	10	-	7	-	3
Meliaceae Juss.	10	-	1	-	9
Arecaceae Bercht. & J. Presl	9	-	1	1	7
Others	266	94	41	37	94
Total	663	229	148	85	201

The complete checklist of plants is available in table (3) – Appendix 2.

Plant parts used

In the list prepared here, the following herbal raw materials are noticed: leaves (74.65% of species), root (45.97%), fruit (35.81%), whole plant (32.16%), stem (30.19%), flower (28.52%), bark (28.07%), tuber (8.34%), latex (8.19%) and rhizome (8.04%) (Fig. 4).

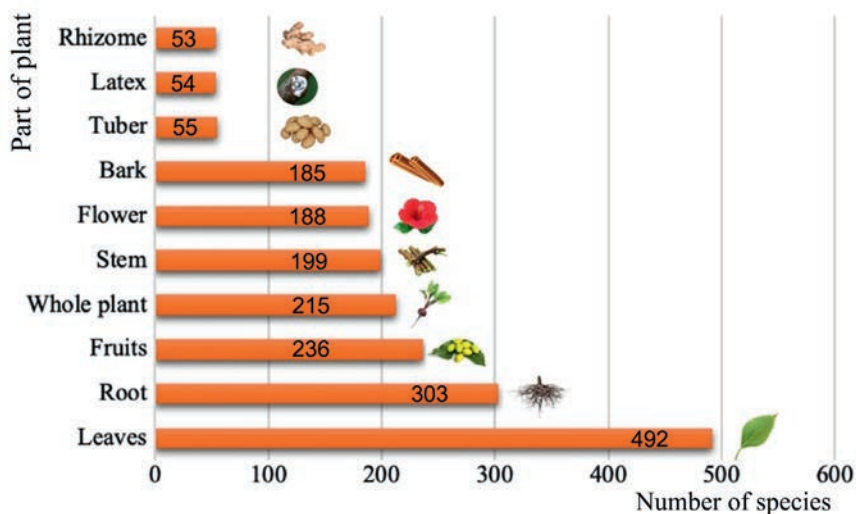


Fig. 4. Plant parts used in ethnomedicine by Irulas in Tamil Nadu

The most commonly used leaves come from the following species: *Ocimum tenuiflorum*, *Andrographis paniculata*, *Justicia adhatoda*, *Achyranthes aspera*, *Alternanthera sessilis*, *Centella asiatica*, *Calotropis gigantea*, *Acalypha indica*, *Senna auriculata*, *Vitex negundo*, *Azadirachta indica*, *Phyllanthus amarus*, and *Cynodon dactylon*. The utility of underground parts, such as root, rhizome, tuber and bulb, were described in various mode of application of decoction, vegetable, paste, pickle, and dried material for different ailments (e.g. *Decalepis hamiltonii*, *D. nervosa*, *Hemidesmus indicus*, *Allium cepa*, *A. sativum*, *Ceropegia bulbosa*, *Amorphophallus paeoniifolius*, *Colocasia esculenta*, *Asparagus racemosus*, *Cyperus rotundus*, *Dioscorea alata*, *D. pentaphylla*, *D. oppositifolia*, *Manihot esculenta*, *Alpinia calcarata*, *A. galanga*, *Curcuma longa*, *C. aromatica*, and *Zingiber officinale*).

In addition, seasonal fruits from wild ornamental potential plants such as *Spondias pinnata*, *Annona muricata*, *Carrisa carandas*, *Phoenix loureiroi*, *Opuntia stricta*, *O. monacanthos*, *Cucumis maderaspatanus*, *Diplocyclos palmatus*, *Elaeagnus conferta*, *Ficus racemosa*, *Syzygium cumini*, *Passiflora foetida*, *P. leschenaultii*, and *Ziziphus* sp., were consumed for their nutritional balance. Agriculture crops were cultivated by traditional methods in villages of Nilgiris and Coimbatore district. Cereals of *Eleusine coracana*, *Panicum sumatrense*, *Sorghum bicolor*, *Setaria italica*, and *Pennisetum glaucum* were major parts of their diet (Saradha et al., 2016).

Healthcare practices

The majority of the herbal remedies are taken orally, the dosage given to the patient depends on the age, physical status and health condition of the adult and children. Before starting the treatment, the condition of the patient is observed deeply and then the prepared medicines are given to treat diseases. When used topically, the most important methods are the direct application of the plant paste which mostly deals with ailments like skin diseases, wounds, poison bites, rheumatism, body pain and headache. Some of the ailments are treated by internal consumption as well as therapeutic applications such as poison bite, rheumatic and body pain. In some sicknesses such as cold, cough, fever and headache, inhalation is also involved. Tribal practitioners are using specific plant parts and definite dosages for the treatment of diseases (Karthikeyan, 2003; Kanthasamy, 2017; Nahendran, 2023). The indigenous medicinal practitioners fear that their recognition in their community could be lost due to modern culture and development of chemo-medicine (Lakshmanan, Sankara Narayanan, 1988). However, the selection of medicinal plants and their uses, which they learned from their ancestors and traditional healers, were still kept secret (Panneer et al., 2016; Samyudurai, Rajendran, 2019).

Plants used in different ailments

Medicinal plants used for various disorders, published by several authors, were reviewed and grouped into broad types describing the main ailments and disorders. Therefore,

the fifteen major disorders were classified into their respective pathogenic groups and diseases (Tab. 4).

Tab. 4. Specific types of disorders/ailments used by Irulas of Tamil Nadu

Code No. /Broad type	Types of ailments under major disorders
1. General Health Purpose (GHP)	Fever, cold, cough, phlegm, runny nose, headache, migraine, vomiting, cuts, wounds, and body pain.
2. Cardiovascular Disorders (CAD)	Chest pain, heart diseases and hypertension.
3. Gastrointestinal Disorders (GAD)	Stomachache, dysentery, diarrhea, gastric, acidity, indigestion, food poisoning, intestine ulcer, deworming, bowel syndrome and piles.
4. Gynecological Disorders (GYD)	Menstrual problems, labor pain, delivery problems, abortifacient, cyst and uterus infection.
5. Pulmonary Disorders (PUD)	Asthma, wheezing, bronchitis, lung infection, tuberculosis and pneumonia.
6. Nephrological Disorders (NED)	Kidney and bladder stones, and urinary tract infection.
7. Hepatology Disorders (HED)	Liver swelling and infection, gall bladder stone and jaundice.
8. Diabetic and Blood Disorders (DBD)	High blood sugar, iron deficiency, anemia and low blood circulation.
9. Orthopedic Disorders (ORD)	Knee pain, joint pain, backache, muscle pain, bone fracture and rheumatism.
10. Ophthalmological Disorders (OPD)	Eye pain, infection, and blindness.
11. Dental Disorders (DED)	Toothache, oral infection, and gum bleeding.
12. Otolaryngologic Disorders (OTD)	Earache and infection, nasal block, nosebleeds, and throat infection.
13. Neuro Disorders (NUD)	Nerve immunity, neuro infection, mild strokes, and sleep disorders.
14. Dermatological Disorders (DRD)	Skin itching, allergies, pimples, acne, ringworms, fungal infection, paronychia infection, cuts, burns, heel crack, inflammation, premature grey hair, scalp mites, hair fall and dandruff.
15. Antivenom and Antidote Disorders (AVD)	Snake bite, scorpion bite, rabies, bees, wasps and other insect bite.

The majority of the plants were used for general health purposes, which are fever, cold, cough, headache, migraine, cuts, wounds and body aches. 417 species of plants were consumed and treated for General Health Purpose (GHP), followed by 288 species that were used in Gastrointestinal Disorders (GAD), and 177 species for Dermatological Disorders (DRD) (Fig. 5; Tab. 3 – Appendix 2).

Therefore 107 species were utilised for Diabetic Purposes (DBD). For other major disorders such as heart, uterus, kidney, dental, ear, nose throat diseases, very minimum species of medicinal plants were used as ailments. About 94 species were used as antivenom and antidote for snake bite, scorpion bite and other venomous insects (Ramachandran, Nair, 1981; Rajan et al. 2002; Gnanavel, Jose, 2014; Senthilkumar et al. 2018).

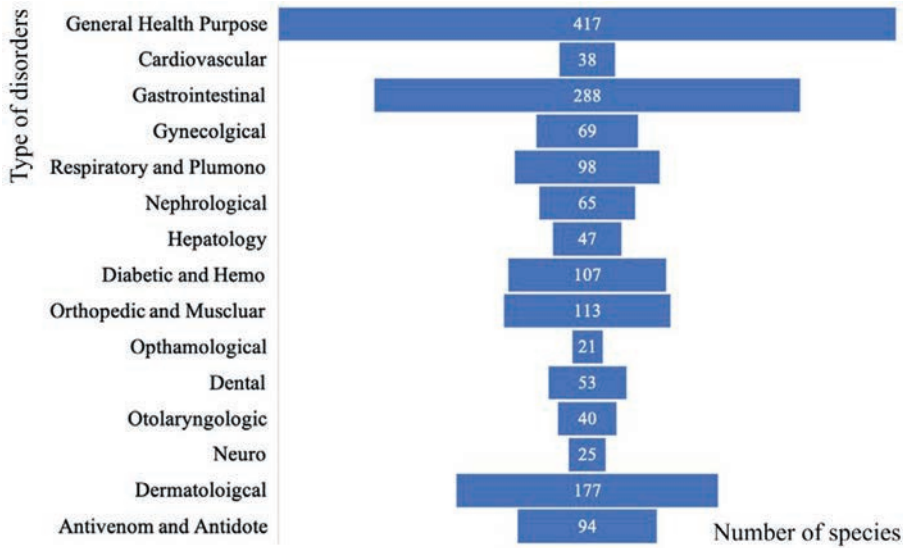


Fig. 5. Utilisation of plant species in different ailments and disorders

The medicinal plants of *Aloe vera*, *Coccinia grandis*, *Justicia adhatoda*, and *Solanum virginianum* are the most dominant species used in nine different major disorders and ailments reported by several authors (Ramachandran, Nair, 1981; Rajan et al., 2002; Dhivya, Kalaichelvi, 2016c; Kanthasamy, 2017; Venkatachalapathi et al., 2018; Hemila, Krishnaveni, 2019; Mownika et al., 2021). *Acalypha indica*, *Azadirachta indica*, *Cardiospermum halicacabum*, *Cynodon dactylon*, *Hemidesmus indicus*, *Ocimum tenuiflorum*, *Phyllanthus emblica*, and *Senna auriculata* are used in eight major disorders. *Andrographis paniculata*, *Allium sativum*, *Centella asiatica*, *Calatropis gigantea*, *Terminalia chebula*, *Albizia lebbeck*, *Mimosa pudica*, *Vitex negundo*, *Boerhavia diffusa*, *Phyllanthus amarus*, *Bambusa bambos*, *Aegle marmelos* were used in seven major disorders (Tab. 3 – Appendix 2).

Abrus precatorius, *Achyranthes aspera*, *Ailanthus excelsa*, *Allium cepa*, *Alternanthera sessilis*, *Artocarpus heterophyllus*, *Asparagus racemosus*, *Barleria mysorensis*, *Cissus quadrangularis*, *Curculigo orchioides*, *Datura metel*, *Evolvulus alsinoides*, *Ficus benghalensis*, *F. racemosa*, *Lawsonia inermis*, *Leucas aspera*, *Oxalis corniculata*, *Pergularia daemia*, *Piper betle*, *Plumbago zeylanica*, *Pongamia pinnata*, *Punica granatum*, *Ricinus communis*, *Senna occidentalis*, *Solanum nigrum*, *Syzygium cumini*, *Tamarindus indica*, *Tephrosia purpurea*, and *Tridax procumbens* were utilised in six major disorders and ailments. Over ninety-nine species were used in three different major disorders (e.g. GHP, GAD and DBD; GYD, PUD and DRD), 163 species were used in two different major disorders (e.g. NED and NUD; GHP and ORD) and 251 species were used for different single disorder (GHP to AVD) (Tab. 3 – Appendix 2). The usage of medicinal

climbers for different ailments was reported viz. *Cyclea peltata*, *Clematis gouriana*, *Tinospora cordifolia*, *Cayratia pedata*, *Cissus quadrangularis*, *Smilax aspera*, *Piper nigrum*, *P. betle*, *P. longum*, *Rubia cordifolia*, *Aristolochia indica* (Sarvalingam et al., 2011; Sarvalingam et al., 2014).

The indigenous knowledge of medicinal plants of 2000 species used by different ethnic communities in south India, was reviewed by Kumar et al. (2019). The traditional knowledge of ethnomedicinal plants and their therapeutic practices among Irula tribals may help improve future pharmaceutical applications (Kalaiselvan, Gopal, 2014; Panneer et al., 2016; Saradha et al., 2017; Samyudurai, Rajendran, 2020). Rural people also use medicinal plants as traditional medicine for scabies, diarrhoea, urinary trouble, kidney stone, constipation and arthritis. For example, Kumar et al. (2023) reported traditional ethnomedicine practices among the Irula community in Dharmapuri, Kanchipuram, and Chengalpattu districts, for hepatitis disorder. Recently, Ray et al. (2020) reviewed the usage of wild edible plants in India, and about 1403 plant species were consumed across the country. During the interviews, discussions among the ethnic communities, traditional healers and local people around the Coimbatore and Nilgiris districts of Tamil Nadu, revealed that the area is very rich in different medicinal plant. This study shows that self-treatment of various ailments among ethnic people and by traditional healers is generally based on forest plant resources from unpolluted areas. The most popular ways of preparing plant-based medicines are decoction, infusion, paste, juice, powder and also consumption in the form of vegetables (Fig. 2 – Appendix 1).

Irula community has faced several psycho-social-economic problems during the last two decades. Earlier they were traditionally snake and other reptile trappers, due to modernisation, the tribal community is changing their lifestyle (Geetha et al., 2007). Recently, expert snake rescuers from the Irula community in Chengalpattu, Tamil Nadu, Shri Vadivel Gopal and Shri Masi Sadiyan, were conferred the Padma Shri award of the year 2023 for their social work and conservation activities, which made proud to the tribal community. In the modern world, urbanisation and the movement of ethnic people to urban areas have become common. Generally, ethnic communities have been forced to move from their traditional and ancestor landscape to some other area either in their interest or due to day-to-day challenges of wildlife conflict. Such kind of mixture among culturally different populations may lead to changes in their socio-economic lifestyle, including ethnobotanical uses of plants (Padmavathi, Saradha, 2014; Thachil, 2016).

In recent years several authors have published on the utilisation of medicinal plants by Irulas, the majority were from the southwestern region of Tamil Nadu (Fig. 3B – Appendix 1). This indicates the community is highly distributed in southern districts of the state. Documentation of traditional knowledge on ethno-medicinal use of the plants is essential for conservation efforts for the plant resources. The conservation of medicinal plants not only saves the tribal lives but also improves the socio-economic

condition of the people. Although a large number of plant species are used for medicinal purposes by rural communities, the uses of many species were found to be common and already reported in other places.

Conclusion

The present investigation revealed that medicinal plants still play a vital role in the primary health care of the people. The information gathered from the traditional people is useful for further researchers in the fields of ethnobotany, medicinal plants, taxonomy, ecology pharmacology and several other fields. Information on some very useful medicines known to the tribal or ethnic communities through the experiences of ages is usually passed down from generation to generation. This study generated a broad spectrum of information concerning medicinal plants used by the indigenous community and local peoples in the region. The present data on the ethnomedicinal plants will help in developing strategies for the conservation and cultivation of traditional medicine and the economic welfare of rural and tribal populations. These complete references will also serve as a bibliography of medicinal plants in particular ethnic communities for researchers and other scientific people who work on ethnobotany and medicinal plants.

Acknowledgements

We express our sincere thanks to all the informants, medicinal practitioners and chief of the tribal colony and villages, of Nilgiris and Coimbatore. We are grateful to several authors and field experts, who volunteered their literature and informal discussion during the study. Thanks to SACON, BSI and IFGTB, librarian for helping with publications and reprints. Author (S. Jeevith and C.R. Aswathi) thanks Dr P. Pramod, Senior Principal Scientist, SACON, Coimbatore, for support and encouragement. Thanks to trustess of the Wynter-Blyth Association, Nilgiris, for all the support.

Conflict of interest

The authors declare no conflict of interest related to this article.

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Fig. 1. Livelihood of Irulas from Nilgiris and Coimbatore districts of Tamil Nadu; A–D. Temple and sacred grooves; E–F. Agriculture practices of *Vigna radiata* (L.) R. Wilczek and harvested leaves of *Coriandrum sativum* L.; G. Abandoned bamboo hut used for goats; H. Building material *Bambusa bambos* (L.) Voss and *Areca catechu* L. used for cattle shed (Photo. S. Jeevith, P. Samydrurai, C.R. Aswathi)



Fig. 2. Medicinal and food practices by Irula community; A. Drying process of *Terminalia chebula* fruits for traditional uses; B. *Phyllanthus niruri* L. with goat milk used for jaundice and high fever; C. *Colocasia esculenta* (L.) Schott; D. Cultivated leafy vegetables *Centella asiatica* (L.) Urb., *Amaranthus spinosus* L., *Basella alba* L.; E. Dried stems of *Lantana camara* L. for burning incense; F. Pickle made with *Decalepis hamiltonii* Wight & Arn. tubers; G. Millet – *Panicum sumatrense* Roth; H. Traditional food, ragi ball *Eleusine coracana* with stir-fried *Amaranthus spinosus* (Photo. S. Jeevith, P. Samyudurai)

Tab. 1. Checklist of published records on ethnobotanical and medicinal plants used by the Irulas community of Tamil Nadu, India

District	Locality / Village	Species recorded	Reference
Ariyalur	Jeyangondam, Poiyur, Sendurai, Udaiyarpalayam	48	Panneer et al., 2016a
	T-Palur	47	Panneer et al., 2016b
	Sendurai block	45	Panneer et al., 2021c
Chennai	Red Hills	35	Bosco, Arumugam, 2012
Coimbatore	Siruvani	24	Aravindhan et al., 2021
	Anaikatty Hills	75	Aruna et al., 2015
	Anaikatty Hills	165	Aswathi, 2023
	Anaikatty Hills	General	Balasubramanian, Prasad, 1996
	Nilgiri slopes	25	Balasubramanian et al., 1997
	Karamadai	53	Dhivya, Kalaichelvi, 2016a
	Nellithurai Beat	40	Dhivya, Kalaichelvi, 2016b
	Nellithurai Beat	169	Dhivya, Kalaichelvi, 2016c
	Kobanur, Anaikatty	85	Ganesan, Kumaresan, 2017
	Pillur Valley	87	Ganesh et al., 2016
	Anaikatty Hills	180	Hemila, Krishnaveni, 2019
	Anaikatty Hills	20	Lakshmanan, Sankara Narayanan, 1988
	Anakatty Hills	16	Lakshmanan, Sankara Narayanan, 1990
	Bolampatti Valley	28	Kalaiselvan, Gopalan, 2014
	Maruthamalai Hills	66	Kalyani et al., 1989
	Palamalai Hills	50	Kumar et al., 2022
	Sodungananjallur, Karamadai	43	Mohammed et al., 2019
	Manar beat, Karamadai	104	Mownika et al., 2021
	Somaiyanoor Village	40	Natrajan et al., 1999
	Perumalswamy Hills, Theethipalayam	25	Ragasudha, Priya, 2019
	Pillur Valley	74	Rasingam, 2012
	Maruthamalai Hills, Palamalai Hills	138	Ramachandran, Nair, 1981
	Coimbatore area	65	Ramachandran, Manian, 1991
	Palamalai Hills	5	Saradha et al., 2016
	Coimbatore Hills	47	Saradha et al., 2017
	Coimbatore Hills	63	Samyudurai, Rajendran, 2019a

	Bolvampatty, Palamalai, Anaikatty, Maruthamalai, Siruvani, Anaimalai	51	Samyudurai, Rajendran, 2019b
	Maruthamalai Hills	68	Sarvalingam et al., 2014
	Maruthamalai Hills	75	Senthilkumar et al., 2006
	Siruvani	25	Suganthi et al., 2019
	Palamalai Hills	50	Umapriya et al., 2011
	Palamalai Hills	53	Venkatachalapathi, Paulsamy, 2017
	Walayar Valley	146	Venkatachalapathi et al., 2018
	Thirumurthi Hills	50	Vijayalakshmi et al., 2014
Erode	Sathyamangalam	65	Poongodi et al., 2011
	Kadambur Hills	25	Rajalakshmi et al., 2016
	Hasanur Hills	70	Revathi, Parimelazhagan, 2010
Kancheepuram	Kancheepuram	1	Nandakumar et al., 2018
	Chenneri, Orathur, Kunavakka-Kollamedu	27	Senthilkumar et al., 2018
	Kancheepuram	58	Kusuma et al., 2020
Nilgiris	Nilgiri Hills	General	Hosagouder, Henry, 1996
	Nilgiri Hills	General	Abraham, 1981
	Nilgiri Hills	12	Deepak, Gopal, 2014
	Nilgiri Hills	7	Logesh et al., 2017
	Chengal Combai	22	Murugesan et al., 2005
	Kozhikkurai	19	Nahendran, Kumarasamy, 2021
	Kozhikarai Village	28	Nahendran, Kumarasamy, 2022
	Kozhikarai Village	130	Nahendran, 2022
	Sigur Plateau	74	Pradheeps, Poyyamoli, 2013
	Nilgiri Hills	24	Rajan et al., 2001
	Nilgiri Hills	114	Rajan et al., 2002
Thanjavur	Kodiakkarai RF	General	Newmaster, Subramanyam, 2007
	Kodiakkarai RF	53	Ragupathy, Newmaster, 2009
Krishnagiri	Krishnagiri	220	Kanthasamy, 2017
Vellore	Kalavai	50	Natarajan et al., 2013

Tab. 3. List of medicinal plants used by Irulas in Tamil Nadu state; broad type code: 1 – General health purpose (GHP), 2 – Cardiovascular disorders (CAD), 3 – Gastrointestinal disorders (GAD), 4 – Gynecological disorders (GYD), 5 – Pulmonary disorders (PUD), 6 – Nephrological disorders (NED), 7 – Hepatology disorders (HED), 8 – Diabetic and blood disorders (DBD), 9 – Orthopedic disorders (ORD), 10 – Ophthalmological disorders (OPD), 11 – Dental disorders (DED), 12 – Otolaryngologic disorders (OTD), 13 – Neuro disorders (NUD), 14 – Dermatological disorders (DRD), 15 – Antivenom and antidote (AVD)

S.No	Family / Scientific name	Habit	Vernacular/ local name	Major disorder/ ailments (code)
Acanthaceae				
1.	<i>Andrographis alata</i> (Vahl) Nees	Herb	Periyangai	15
2.	<i>Andrographis echioides</i> (L.) Nees	Herb	Gopuram-thangi	1
3.	<i>Andrographis lineata</i> Nees	Herb	Siriyangai	8
4.	<i>Andrographis paniculata</i> (Burm.f.) Wall. ex Nees	Herb	Nilavembu	1,3,7,8,12,14,15
5.	<i>Andrographis serpyllifolia</i> (Rottler ex Vahl) Wight	Herb	Kaatuppooraankodi	15
6.	<i>Asystasia gangetica</i> (L.) T. Anderson	Herb	Miti kirai	8
7.	<i>Barleria acuminata</i> Wight ex Nees	Shrub	Vellaikurinji	1,5,9,11
8.	<i>Barleria mysorensis</i> Roth	Shrub	Chulli-Mullu	1,3,5,9,11,15
9.	<i>Blepharis maderaspatensis</i> (L.) B. Heyne ex Roth	Herb	Malansulli	1,3,5,6
10.	<i>Dichiptera paniculata</i> (Forssk.) I. Darbysh.	Herb	Karakanchiram	1
11.	<i>Ecbolium viride</i> (Forssk.) Alston	Herb	Nilaambari	1
12.	<i>Hygrophila auriculata</i> (Schumach.) Heine	Herb	Voyal chullai	9
13.	<i>Justicia adhatoda</i> L.	Shrub	Adathoda	1,3,4,5,7,9,10,11,15
14.	<i>Justicia tranquebariensis</i> L.f.	Herb	Punnakupoodu	1,7,14
15.	<i>Lepidagathis scariosa</i> Nees	Herb	-	1
16.	<i>Phaulopsis imbricata</i> (Forssk.) Sweet	Shrub	Olosida	1,6,14
17.	<i>Rhinacanthus nasutus</i> (L.) Kurz	Shrub	Nagamalli	15
18.	<i>Rostellularia diffusa</i> (Willd.) Nees	Herb	-	14
19.	<i>Ruellia patula</i> Jacq.	Herb	Punichedi	1,15
20.	<i>Ruellia prostrata</i> Poir.	Herb	Kirantinayan	15
21.	<i>Strobilanthes alternata</i> (Burm.f.) Moylan ex J.R.I. Wood	Shrub	-	15
22.	<i>Thunbergia fragrans</i> Roxb.	Climber	Indrapushpam	1,4
Achariaceae				
23.	<i>Hydnocarpus pentandrus</i> (Buch.-Ham.) Oken	Tree	Maravetti	14
Acoraceae				
24.	<i>Acorus calamus</i> L.	Herb	Pirambu	1,3,6,14,15
Aizoaceae				
25.	<i>Trianthema portulacastrum</i> L.	Herb	Sathi charanai	9
26.	<i>Zaleya decandra</i> (L.) Burm.f.	Herb	Koni dagu	9
Amaranthaceae				

27.	<i>Achyranthes aspera</i> L.	Herb	Naiurivi	1,3,4,11,14,15
28.	<i>Achyranthes bidentata</i> Blume	Herb	Kithoop	1
29.	<i>Allmania nodiflora</i> (L.) R. Br. ex Wight	Herb	Thoikeerai	1
30.	<i>Alternanthera paronychioides</i> A. St.-Hil.	Herb	Ponnanganni	1
31.	<i>Alternanthera pungens</i> Kunth	Herb	Chikmagalur	1,14
32.	<i>Alternanthera sessilis</i> (L.) DC.	Herb	Ponnanganni	1,3,4,5,10,14
33.	<i>Amaranthus caudatus</i> L.	Herb	Thandukeere	1,3
34.	<i>Amaranthus graecizans</i> L.	Herb	Sirukeerai	12
35.	<i>Amaranthus spinosus</i> L.	Herb	Mullukeera	1,3,4,5,6
36.	<i>Amaranthus viridis</i> L.	Herb	Akkei keera	1,3,8
37.	<i>Celosia argentea</i> L.	Herb	Pannai keera, Kolikonda	1,3
38.	<i>Digera muricata</i> (L.) Mart.	Herb	Thoikeerai	1,6,8
39.	<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants	Herb	Semmanacheedi	3,14
40.	<i>Gomphrena serrata</i> L.	Herb	-	6
41.	<i>Ouret lanata</i> (L.) Kuntze	Herb	Koolappo, sirupoola	1,6
42.	<i>Psilotrichum nudum</i> (B. Heyne ex Wall.) Moq.	Herb	-	1,5
Amaryllidaceae				
43.	<i>Allium cepa</i> L.	Herb	Perulli	1,3,7,8,14,15
44.	<i>Allium sativum</i> L.	Herb	Velluli	1,3,5,8,12,14,15
45.	<i>Crinum asiaticum</i> L.	Herb	Narivenkkayam	6
Anacardiaceae				
46.	<i>Anacardium occidentale</i> L.	Tree	Munthiri	11
47.	<i>Buchanania lanzan</i> Spreng.	Tree	Chaaramaram	1,3,5,14
48.	<i>Lannea coromandelica</i> (Houtt.) Merr.	Tree	Otiyanmaram	1,9,10
49.	<i>Mangifera indica</i> L.	Tree	Maamaram	1,3,4,6
50.	<i>Spondias pinnata</i> (L.f.) Kurz	Tree	Kaatuma, kincam	1
Annonaceae				
51.	<i>Annona cherimola</i> Mill.	Tree	Hanumasitha	1
52.	<i>Annona muricata</i> L.	Tree	Katuanoda, mullusita	1,8
53.	<i>Annona reticulata</i> L.	Tree	Ramasita	3,8
54.	<i>Annona squamosa</i> L.	Tree	Sithapalam	1,3,4,14
55.	<i>Artabotrys hexapetalus</i> (L.f.) Bhandari	Shrub	Manoranjitha	1
56.	<i>Monoon longifolium</i> (Sonn.) B. Xue & R.M.K. Saunders	Tree	Ashokamaram	3
57.	<i>Polyalthia suberosa</i> (Roxb.) Thwaites	Shrub	Kalattisedi	8,15
Apiaceae				
58.	<i>Bupleurum ramosissimum</i> Wight & Arn.	Herb	Kattusompu	4
59.	<i>Centella asiatica</i> (L.) Urb.	Herb	Vallarai	1,2,3,6,7,8,13
60.	<i>Coriandrum sativum</i> L.	Herb	Mallithala	1,3
61.	<i>Cuminum cyminum</i> L.	Herb	Soguchedi	2,3
62.	<i>Eryngium foetidum</i> L.	Herb	Kattumalli	1

63.	<i>Foeniculum vulgare</i> Mill.	Herb	Sompu	3
64.	<i>Tetrataenium ceylanicum</i> (Gardner ex C.B. Clarke) Manden.	Herb	Velsompu	15
65.	<i>Trachyspermum ammi</i> (L.) Sprague	Herb	Omam	1,3
Apocynaceae				
66.	<i>Aganosma cymosa</i> (Roxb.) G. Don	Climber	Manimalakodi	1,5,10
67.	<i>Alstonia scholaris</i> (L.) R. Br.	Tree	Elzhipulai	15
68.	<i>Alstonia venenata</i> R. Br.	Shrub	Sinnappalai	1
69.	<i>Asclepias curassavica</i> L.	Shrub	Neer poo	1,14
70.	<i>Boucerosia indica</i> (Wight & Arn.) Plowes	Herb	Kallimullu	1
71.	<i>Boucerosia umbellata</i> (Haw.) Wight & Arn.	Herb	Kallimullu	3
72.	<i>Calotropis gigantea</i> (L.) W.T. Aiton	Shrub	Erukku	1,3,5,8,9,14,15
73.	<i>Calotropis procera</i> (Aiton) W.T. Aiton	Shrub	Vella erukku	1,15
74.	<i>Caralluma adscendens</i> (Roxb.) Haw.	Herb	Muyal kombu chedi	1,3
75.	<i>Caralluma adscendens</i> var. <i>bicolor</i> (V.S. Ramach., S. Joseph, H.A. John & Sofiya) Karupp., Ugraiah & Pull.	Herb	Kattalae	1
76.	<i>Caralluma fimbriata</i> Wall.	Herb	Kallimulliyam	1,2,8
77.	<i>Carissa carandas</i> L.	Shrub	Kallakai	1,3,8,9,14
78.	<i>Carissa spinarum</i> L.	Shrub	Sirukallakai	1,9,11
79.	<i>Catharanthus roseus</i> (L.) G. Don	Shrub	Nithyakalyani	1,3,4,8,9
80.	<i>Cascabela thevetia</i> (L.) Lippold	Shrub	Thangaarali	13
81.	<i>Ceropegia bulbosa</i> Roxb.	Climber	-	1,6,8
82.	<i>Ceropegia elegans</i> Wall.	Climber	Perungilangu	15
83.	<i>Ceropegia juncea</i> Roxb.	Climber	Pulichan	1,3,8
84.	<i>Cryptolepis grandiflora</i> Wight	Climber	Nattiativasa	3
85.	<i>Cynanchum viminalis</i> subsp. <i>Viminale</i>	Climber	-	1
86.	<i>Decalepis hamiltonii</i> Wight & Arn.	Climber	Mahali kizhangu	1,3,5,8
87.	<i>Decalepis nervosa</i> (Wight & Arn.) Venter	Climber	-	1,14
88.	<i>Decalepis salicifolia</i> (Bedd. ex Hook.f.) Bruyns	Climber	-	3
89.	<i>Gymnema sylvestre</i> (Retz.) R. Br. ex Sm.	Climber	Kolikokkai	1,5,8,15
90.	<i>Hemidesmus indicus</i> (L.) R. Br.	Climber	Nannari	1,3,5,6,8,9,14,15
91.	<i>Leptadenia reticulata</i> (Retz.) Wight & Arn.	Shrub	Palaikkodi	1,2,5,6,14
92.	<i>Nerium oleander</i> L.	Shrub	Arali	1,11,12,14
93.	<i>Oxystelma esculentum</i> (L.f.) Sm.	Climber	Hallikae	1,9
94.	<i>Pergularia daemia</i> (Forssk.) Chiov.	Climber	Veliparuthi	1,3,4,5,11,15
95.	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Shrub	Sarpakantha	8,14,15
96.	<i>Rauvolfia tetraphylla</i> L.	Shrub	Nava konchi	15
97.	<i>Stephanotis volubilis</i> (L.f.) S. Reuss, Liede & Meve	Climber	Sivanthi, palakodi	1,3,5
98.	<i>Vincetoxicum indicum</i> (Burm.f.) Mabb.	Climber	Naaipalaiaakodi	3,5,15

99.	<i>Wrightia arborea</i> (Dennst.) Mabb.	Tree	Karupaalai	3
100.	<i>Wrightia tinctoria</i> (Roxb.) R. Br.	Shrub	Veppalai	1,3,11,14
Araceae				
101.	<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Herb	Kattukarunai	1,4
102.	<i>Anthurium spathiphyllum</i> N.E. Br.	Herb	-	1,5,14
103.	<i>Arisaema leschenaultii</i> Blume	Herb	Naagachedi	15
104.	<i>Colocasia esculenta</i> (L.) Schott	Herb	Kattuchembu	3
105.	<i>Epipremnum aureum</i> (Linden & André) G.S. Bunting	Climber	Manikodi	9
Areaceae				
106.	<i>Areca catechu</i> L.	Tree	Dakkae mara	1,3,14
107.	<i>Arenga wightii</i> Griff.	Tree	Aalampaalai	1,9
108.	<i>Borassus flabellifer</i> L.	Tree	Panamaram	1,3,6,14
109.	<i>Caryota urens</i> L.	Tree	Koonthapana	1
110.	<i>Chamaerops humilis</i> L.	Shrub	-	13
111.	<i>Cocos nucifera</i> L.	Tree	Thengumaram	1
112.	<i>Phoenix loureiroi</i> Kunth	Tree	Eechipullu	15
113.	<i>Phoenix sylvestris</i> (L.) Roxb.	Tree	Pereechai	1
114.	<i>Rhaphidophora pertusa</i> (Roxb.) Schott	Climber	Maravaalai	9
Aristolochiaceae				
115.	<i>Aristolochia acuminata</i> Lam.	Climber	Aaduthinnappalai	1,3,14
116.	<i>Aristolochia bracteolata</i> Lam.	Climber	Aaduthinnappalai	1,3,5,14,15
117.	<i>Aristolochia indica</i> L.	Climber	Perumarundhu	1,3,9,14,15
Asparagaceae				
118.	<i>Agave sisalana</i> Perrine	Shrub	Nrakatrashai	12
119.	<i>Asparagus racemosus</i> Willd.	Climber	Neervekkaea	1,3,4,5,6,13
120.	<i>Dracaena roxburghiana</i> (Schult. & Schult.f.) Byng & Christenh.	Herb	Hatukapel	1,2,15
121.	<i>Ledebouria revoluta</i> (L.f.) Jessop	Herb	Kattuvenkayam	1,9,15
Asphodelaceae				
122.	<i>Aloe vera</i> (L.) Burm.f.	Herb	Sotru katrallai	1,3,4,5,6,7,8,9,14
Aspleniaceae				
123.	<i>Asplenium nidus</i> L.	Herb	-	1,9
Asteraceae				
124.	<i>Acilepis divergens</i> (DC.) H. Rob. & Skvarla	Shrub	-	1
125.	<i>Acmella calva</i> (DC.) R.K. Jansen	Herb	Kirambupoo	1
126.	<i>Adenostemma lavenia</i> (L.) Kuntze	Herb	Vadakala	14
127.	<i>Ageratum conyzoides</i> L.	Herb	Sethupunthalai	1,3,4,14
128.	<i>Anaphalis beddomei</i> Hook.f.	Herb	Pearl	1
129.	<i>Artemisia annua</i> L.	Shrub	Makkipoo	1
130.	<i>Artemisia parviflora</i> Roxb. ex D. Don	Shrub	Makkipoo	1
131.	<i>Blainvillea acmella</i> (L.) Philipson	Herb	-	11
132.	<i>Calyptocarpus vialis</i> Less.	Herb	Pul manjapoo	1,3

133.	<i>Chromolaena odorata</i> (L.) R.M. King & H. Rob.	Herb	Ayyapansoppam	1
134.	<i>Cyanthillium cinereum</i> (L.) H. Rob.	Herb	-	13
135.	<i>Eclipta prostrata</i> (L.) L.	Herb	Karisilaganni	7,14
136.	<i>Emilia zeylanica</i> C.B. Clarke	Herb	-	1,8
137.	<i>Erigeron canadensis</i> L.	Herb	Kuthira-cheedi	8,9
138.	<i>Guizotia abyssinica</i> (L.f.) Cass.	Herb	Malaiellu	7
139.	<i>Inula racemosa</i> Hook.f.	Herb	Puskarmullu	1
140.	<i>Kleinia grandiflora</i> (DC.) N. Rani	Herb	Appepokku	12
141.	<i>Launaea sarmentosa</i> (Willd.) Kuntze	Herb	Eluttani	1
142.	<i>Lipoblepharis urticifolia</i> (Blume) Orchard	Herb	-	1
143.	<i>Parthenium hysterophorus</i> L.	Herb	Congress-gida	1
144.	<i>Tridax procumbens</i> L.	Herb	Vettukayathalai	1,3,4,5,6,9
145.	<i>Xanthium strumarium</i> L.	Shrub	Marumatti	15
Basellaceae				
146.	<i>Basella alba</i> L.	Herb	Kodipasalai	1,3,8
Begoniaceae				
147.	<i>Begonia malabarica</i> Lam.	Herb	Sengurungu	3,9,12
Bignoniaceae				
148.	<i>Crescentia cujete</i> L.	Tree	Thiruvootukai	3
149.	<i>Jacaranda mimosifolia</i> D. Don	Tree	-	1,3,5
150.	<i>Millingtonia hortensis</i> L.f.	Tree	Maaramali	1,5
151.	<i>Oroxylum indicum</i> (L.) Kurz	Tree	Vellaparuthi	3,14
152.	<i>Spathodea campanulata</i> P. Beauv.	Tree	Patadi	5
153.	<i>Stereospermum colais</i> (Buch.-Ham. ex Dillwyn) Mabb.	Tree	Ampuvakini/ pathiri	5
154.	<i>Tabebuia rosea</i> (Bertol.) DC.	Tree	Vasaranipoo	3,8
155.	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Shrub	Manjasonna	1,3
Bixaceae				
156.	<i>Bixa orellana</i> L.	Tree	Sappiravirai	8
Boraginaceae				
157.	<i>Cordia dichotoma</i> G. Forst.	Shrub	Karadisellai	1,3,8,10
158.	<i>Cordia monoica</i> Roxb.	Shrub	-	2
159.	<i>Cordia sinensis</i> Lam.	Shrub	Sellai	1,8
160.	<i>Cynoglossum zeylanicum</i> (Sw. ex Lehm.) Thunb. ex Brand	Herb	Pisinaiotta	3
161.	<i>Ehretia matthewii</i> Kottaim.	Shrub	-	1,10
162.	<i>Ehretia microphylla</i> Lam.	Shrub	Narasai	4
163.	<i>Heliotropium curassavicum</i> L.	Herb	-	1
164.	<i>Trichodesma indicum</i> (L.) Sm.	Herb	Kallutaitumpai	1,3,15
Brassicaceae				
165.	<i>Brassica juncea</i> (L.) Czern.	Herb	Kadugu	1,3,12
166.	<i>Raphanus raphanistrum</i> subsp. <i>sativus</i> (L.) Domin	Herb	Katumulangi	3
Burseraceae				

167.	<i>Canarium strictum</i> Roxb.	Tree	Dalimaram	9,15
168.	<i>Commiphora caudata</i> (Wight & Arn.) Engl.	Tree	Kiluvai	1,3
169.	<i>Commiphora wightii</i> (Arn.) Bhandari	Tree	Guggul	13,14
Cactaceae				
170.	<i>Cereus pterogonus</i> Lem.	Herb	Ooci kalli	1,3,4
171.	<i>Epiphyllum oxypetalum</i> (DC.) Haw.	Shrub	Bhramapoo, Bharmakamalam	14
172.	<i>Opuntia monacanthos</i> (Willd.) Haw.	Shrub	Kalli, chappathikalli	1,3,8
173.	<i>Opuntia stricta</i> (Haw.) Haw.	Shrub	Kalli, chappathikalli	3,15
174.	<i>Opuntia tuna</i> (L.) Mill.	Shrub	Kalli, chappathikalli	1,5,7,8,10
Calophyllaceae				
175.	<i>Calophyllum inophyllum</i> L.	Tree	Pinnai maram	14
176.	<i>Mesua ferrea</i> L.	Tree	Churuli	3
Cannabaceae				
177.	<i>Celtis philippensis</i> Blanco	Tree	Kuriyan, kuriya	3
178.	<i>Celtis tetrandra</i> Roxb.	Tree	Kuriyaa maram	6,14
179.	<i>Trema orientale</i> (L.) Blume	Tree	Amparuthi	3,8
Cannaceae				
180.	<i>Canna indica</i> L.	Herb	Kalvazhai	1,3,6,8
Capparaceae				
181.	<i>Cadaba fruticosa</i> (L.) Druce	Shrub	Vizhuthi	1,3,9
182.	<i>Cadaba trifoliata</i> (Roxb.) Wight & Arn.	Shrub	Kattagatti	1,9
183.	<i>Capparis divaricata</i> Lam.	Shrub	Thoratti	1,3
184.	<i>Capparis diversifolia</i> Wight & Arn.	Shrub	Mudkevisi	1
185.	<i>Capparis grandiflora</i> Wall. ex Hook.f. & Thomson	Shrub	Mudkondai	1,3,5,9
186.	<i>Capparis grandis</i> L.f.	Tree	Marakodi, marakevisi	1,3,5
187.	<i>Capparis sepiaria</i> L.	Shrub	Thottichedi	1,3,9,14,15
188.	<i>Capparis zeylanica</i> L.	Shrub	Kevisi	1,3,14
189.	<i>Crateva adansonii</i> DC.	Tree	Marvilinga	9
190.	<i>Crateva religiosa</i> G. Forst.	Tree	Mavilankai	1,6,15
Caprifoliaceae				
191.	<i>Lonicera japonica</i> Thunb.	Shrub	-	1,5,14
Caricaceae				
192.	<i>Carica papaya</i> L.	Tree	Pappali	1,3,11,14,15
Cleomaceae				
193.	<i>Cleome aspera</i> J. Koenig ex DC.	Herb	Karumpooundu	14
194.	<i>Cleome gynandra</i> L.	Herb	Veli Keerai	5,12
195.	<i>Cleome monophylla</i> L.	Herb	Ellukkusakkalathi	3,12
196.	<i>Cleome viscosa</i> L.	Herb	Kattu kadugu, naaikkadugu	1,2,3
Clusiaceae				
197.	<i>Garcinia gummi-gutta</i> (L.) N. Robson	Tree	Kaattmpi, Kodampuli	4

198.	<i>Garcinia indica</i> (Thouars) Choisy	Tree	Kaattmpi, Kodampuli	1,9,14
Colchicaceae				
199.	<i>Gloriosa superba</i> L.	Climber	Kanvalipoo, Kannuvazhikilangu	1,4,9,14
Combretaceae				
200.	<i>Combretum roxburghii</i> Spreng.	Climber	-	3
201.	<i>Terminalia anogeissiana</i> Gere & Boatwr.	Tree	Vellanagemaram	3
202.	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Tree	Mathi	1,2,3,11
203.	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Tree	Thanikai	1,9,12,14
204.	<i>Terminalia chebula</i> Retz.	Tree	Kadukkai	1,2,3,7,11,12,14
205.	<i>Terminalia elliptica</i> Willd.	Tree	Karumaruth	14
Commelinaceae				
206.	<i>Commelina benghalensis</i> L.	Herb	Kayinai	1,3,10,14
207.	<i>Commelina clavata</i> C.B. Clarke	Herb	-	1,3
208.	<i>Cyanotis axillaris</i> (L.) D. Don ex Sweet	Herb	Vallukkai	1,3,14
Convolvulaceae				
209.	<i>Argyreia cuneata</i> (Willd.) Ker Gawl.	Climber	Kanvalipoo	8
210.	<i>Argyreia sericea</i> Dalzell & A. Gibson	Climber	-	1,8
211.	<i>Argyreia zeylanica</i> (Gaertn.) Voigt	Climber	-	6,7
212.	<i>Cuscuta chinensis</i> Lam.	Climber	Manjapulluruvi	9
213.	<i>Cuscuta reflexa</i> Roxb.	Climber	Kodiyagundal	1
214.	<i>Distimake aegyptius</i> (L.) A.R. Simões & Staples	Climber	-	1
215.	<i>Evolvulus alsinoides</i> (L.) L.	Herb	Vishnukranthi	1,2,3,5,9,14
216.	<i>Evolvulus nummularius</i> (L.) L.	Herb	Elikkathuillai	1,15
217.	<i>Ipomoea aquatica</i> Forssk.	Shrub	Neerchakara	1,3
218.	<i>Ipomoea batatas</i> (L.) Lam.	Climber	Chakarakizhangu	8
219.	<i>Ipomoea carnea</i> Jacq	Climber	-	1
220.	<i>Ipomoea indica</i> (Burm.) Merr.	Climber	-	1
221.	<i>Ipomoea obscura</i> (L.) Ker Gawl.	Climber	Chirutali	3,14
222.	<i>Ipomoea staphylina</i> Roem. & Schult.	Climber	Oonan-kodi	1,14
223.	<i>Rivea hypocrateriformis</i> (Desr.) Choisy	Climber	Mustae	1,3,14
Cornaceae				
224.	<i>Alangium salviifolium</i> (L.f.) Wangerin	Tree	Marada-kodi	1,3,13,14,15
Costaceae				
225.	<i>Chamaecostus cuspidatus</i> (Nees & Mart.) C.D. Specht & D.W. Stev.	Herb	Insulin chedi	1,3
226.	<i>Hellenia speciosa</i> (J. Koenig) S.R. Dutta	Herb	-	8
Crassulaceae				
227.	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Herb	Ranakalli	1,3,6
Cucurbitaceae				
228.	<i>Citrullus colocynthis</i> (L.) Schrad.	Climber	Cumutti-kai	1,3,7,8,9
229.	<i>Coccinia grandis</i> (L.) Voigt	Climber	Koovai-kodi	1,3,5,6,7,8,10,12,14

230.	<i>Corallocarpus epigaeus</i> (Rottler) Hook.f.	Climber	Aagasa garuda kizhangu	3,9,15
231.	<i>Cucumis maderaspatanus</i> L.	Climber	Musumusukai	1,3,5
232.	<i>Cucumis sativus</i> L.	Climber	Vellarikka	6
233.	<i>Cucumis trigonus</i> Roxb.	Climber	Thumattikai	1,15
234.	<i>Cucurbita moschata</i> Duchesne	Climber	Poosani	1
235.	<i>Diplocyclos palmatus</i> (L.) C. Jeffrey	Climber	Sivalingakkodi	1,7,8,9,14
236.	<i>Kedrostis foetidissima</i> (Jacq.) Cogn.	Climber	Appaikkeere	14
237.	<i>Lagenaria siceraria</i> (Molina) Standl.	Climber	Surakkai	3,8
238.	<i>Momordica charantia</i> L.	Climber	Pakkrkai	3,6,8,11
239.	<i>Solena amplexicaulis</i> (Lam.) Gandhi	Climber	Pulivanchi	1,14
240.	<i>Trichosanthes cucumerina</i> L.	Climber	Peypadal	1
Cupressaceae				
241.	<i>Platyclusus orientalis</i> (L.) Franco	Tree	Samuranimara	1,11
Cycadaceae				
242.	<i>Cycas circinalis</i> L.	Tree	Koodeechal	1,5,14
Cyperaceae				
243.	<i>Cyperus dubius</i> var. <i>dubius</i>	Herb	Kora	8
244.	<i>Cyperus rotundus</i> L.	Herb	Korai kizhangu	1,3,9
Dioscoreaceae				
245.	<i>Dioscorea alata</i> L.	Climber	Vetrilaikodi kizhangu	1,3
246.	<i>Dioscorea oppositifolia</i> L.	Climber	Riya	1,3,4,6
247.	<i>Dioscorea pentaphylla</i> L.	Climber	Noorukizhangu	1,8
248.	<i>Dioscorea tomentosa</i> J. Koenig ex Spreng.	Climber	Noorai	1,3,9
Dipterocarpaceae				
249.	<i>Hopea parviflora</i> Bedd.	Tree	Vellakongu	1
Ebenaceae				
250.	<i>Diospyros ebenum</i> J. Koenig	Tree	Acha	3,14
251.	<i>Diospyros ferrea</i> (Willd.) Bakh.	Tree	Veeraii	8
252.	<i>Diospyros malabarica</i> (Desr.) Kostel.	Tree	-	1
253.	<i>Diospyros melanoxylon</i> Roxb.	Tree	Karai	1,4,14
254.	<i>Diospyros paniculata</i> Dalzell	Tree	-	14
Elaeagnaceae				
255.	<i>Elaeagnus conferta</i> Roxb.	Shrub	Kolaga	1,3,14
Ericaceae				
256.	<i>Epigaea repens</i> L.	Herb	-	1
Erythroxylaceae				
257.	<i>Erythroxylum monogynum</i> Roxb.	Tree	Devadari	1,3,5,8,14
Euphorbiaceae				
258.	<i>Acalypha fruticosa</i> Forssk.	Shrub	Ceerasedi	1,3,5,14
259.	<i>Acalypha indica</i> L.	Herb	Kuppaimeni	1,3,5,7,9,12,14,15
260.	<i>Acalypha paniculata</i> Miq.	Herb	Malai kuppaimeni	7
261.	<i>Croton bonplandianus</i> Baill.	Herb	Rail pachilai	1

262.	<i>Euphorbia antiqorum</i> L.	Herb	Chatura kalli	1,3,5,8,11
263.	<i>Euphorbia heterophylla</i> L.	Herb	Paal poodu	3
264.	<i>Euphorbia hirta</i> L.	Herb	Amman pacharisi	1,3,5,14
265.	<i>Euphorbia prostrata</i> Aiton	Herb	-	3
266.	<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch	Shrub	-	14
267.	<i>Excoecaria agallocha</i> L.	Tree	Thillai	1
268.	<i>Givotia moluccana</i> (L.) Sreem.	Tree	Puttali,ventali	5
269.	<i>Jatropha curcas</i> L.	Shrub	Kattu-amanaku	1,3,4,11,14
270.	<i>Jatropha gossypifolia</i> L.	Shrub	Siria amanakku	1,11
271.	<i>Jatropha multifida</i> L.	Shrub	Churakkalli	3
272.	<i>Jatropha tanjorensis</i> J.L. Ellis & Saroja	Shrub	Amanaku	1
273.	<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Tree	Kurangu-manjanathi	3,9
274.	<i>Mallotus polycarpus</i> (Benth.) Kulju & Welzen	Tree	-	3
275.	<i>Manihot esculenta</i> Crantz	Shrub	Maravallikizhangu	1
276.	<i>Micrococca mercurialis</i> (L.) Benth.	Herb	Kunukkuth thukki	1
277.	<i>Ricinus communis</i> L.	Shrub	Amanakku	1,2,3,4,7,9
278.	<i>Tragia involucrata</i> L.	Shrub	Kanchori	1
Fabaceae				
279.	<i>Abrus precatorius</i> L.	Shrub	Kundumani	1,3,4,5,10,11
280.	<i>Acrocarpus fraxinifolius</i> Wight & Arn.	Tree	-	3,14
281.	<i>Adenanthera pavonina</i> L.	Tree	Coral wood	3,14
282.	<i>Albizia amara</i> (Roxb.) Boivin	Tree	Arappu	1,3,5,14
283.	<i>Albizia lebeck</i> (L.) Benth.	Tree	Katuvagai	1,3,5,8,10,14,15
284.	<i>Bauhinia purpurea</i> L.	Tree	Aatthi	4
285.	<i>Bauhinia racemosa</i> Lam.	Shrub	Aatthi	1,3,4,6,14
286.	<i>Bauhinia tomentosa</i> L.	Shrub	Mantharai	1,3
287.	<i>Biancaea decapetala</i> (Roth) O. Deg.	Tree	-	3
288.	<i>Biancaea sappan</i> (L.) Tod.	Tree	-	14
289.	<i>Butea monosperma</i> (Lam.) Kuntze	Tree	Muthagai	3
290.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Shrub	Mayir-konrai	1,5,6
291.	<i>Canavalia cathartica</i> Thouars	Shrub	-	3
292.	<i>Canavalia lineata</i> (Thunb.) DC.	Shrub	Kozhiavarai	1,15
293.	<i>Cassia fistula</i> L.	Tree	Sarakondri	1,3,9
294.	<i>Casuarina equisetifolia</i> L.	Tree	Savukmaram	1
295.	<i>Chamaecrista absus</i> (L.) H.S. Irwin & Barneby	Herb	-	14
296.	<i>Chamaecrista leschenaultiana</i> (DC.) O. Deg.	Herb	-	1,3,14
297.	<i>Clitoria ternatea</i> L.	Climber	Sangupushpam	1,3,10,12,15
298.	<i>Crotalaria pallida</i> Aiton	Herb	Kilukiluppai	1
299.	<i>Dalbergia lanceolaria</i> subsp. <i>paniculata</i> (Roxb.) Thoth.	Tree	Pasamkanimaram	1,4
300.	<i>Dalbergia latifolia</i> Roxb.	Tree	Nukkam	1,9,14

301.	<i>Dalbergia sissooides</i> Graham ex Wight & Arn.	Tree	Eetimaram	3,14
302.	<i>Delonix elata</i> (L.) Gamble	Shrub	Vathanarayan	1,3
303.	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Tree	Vadathalla	1,3
304.	<i>Erythrina variegata</i> L.	Tree	Mullumurungai	1,4
305.	<i>Glycyrrhiza glabra</i> L.	Herb	Athimaduram	1,12
306.	<i>Grona triflora</i> (L.) H. Ohashi & K. Ohashi	Shrub	-	3,8
307.	<i>Guilandina bonduc</i> L.	Shrub	-	1,3,8
308.	<i>Indigofera aspalathoides</i> Vahl ex DC.	Shrub	Sivanar vembu	14
309.	<i>Indigofera tinctoria</i> L.	Herb	Averi	1,15
310.	<i>Indigofera trita</i> L.f.	Herb	Punalmurrukai	7
311.	<i>Indigofera tsiangiana</i> Metcalf	Herb	-	6,13
312.	<i>Lablab purpureus</i> (L.) Sweet	Herb	Avarakka, avarai	1
313.	<i>Lablab purpureus</i> subsp. <i>purpureus</i>	Herb	Avarakka, avarai	1,8,12
314.	<i>Mimosa pudica</i> L.	Herb	Thotta surungi	1,3,4,5,7,9,14
315.	<i>Mucuna pruriens</i> (L.) DC.	Climber	Punaikkali	1,3,6,13,15
316.	<i>Mundulea sericea</i> (Willd.) A. Chev.	Shrub	Vellai	4,15
317.	<i>Neptunia oleracea</i> Lour.	Herb	Sundaikkirai	12,13
318.	<i>Phanera roxburghiana</i> (Voigt) Bandyop., Anand Kumar & Chakrab.	Tree	-	1
319.	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Tree	Kodukkapuli	1,3
320.	<i>Pleurolobus gangeticus</i> (L.) J. St.-Hil. ex H. Ohashi & K. Ohashi	Herb	-	1
321.	<i>Pongamia pinnata</i> (L.) Pierre	Tree	Pongan	1,3,5,8,9,14
322.	<i>Prioria pinnata</i> (Roxb. ex DC.) Breteler	Tree	-	4
323.	<i>Prosopis cineraria</i> (L.) Druce	Tree	Vanni	15
324.	<i>Pseudarthria viscida</i> (L.) Wight & Arn.	Herb	Moovilai	1,2,3
325.	<i>Pterocarpus marsupium</i> Roxb.	Tree	Vengai	3,4,8,14
326.	<i>Pterolobium hexapetalum</i> (Roth) Santapau & Wagh	Shrub	Bakkanamullu	3,4,5,7,14
327.	<i>Rhynchosia cana</i> (Willd.) DC.	Shrub	Kattuthuvarai	1
328.	<i>Samanea saman</i> (Jacq.) Merr.	Tree	Thoongumujimaram	1,3,5
329.	<i>Saraca asoca</i> (Roxb.) W.J.de Wilde	Tree	Asokamaram	7
330.	<i>Senegalia caesia</i> (L.) Maslin, Seigler & Ebinger	Tree	-	1,3,14
331.	<i>Senegalia catechu</i> (L.f.) P.J.H. Hurter & Mabb.	Tree	Karingalimaram	1,2,3
332.	<i>Senegalia pennata</i> (L.) Maslin	Tree	Kattuseengai	1,3,11,13,14
333.	<i>Senegalia rugata</i> (Lam.) Britton & Rose	Shrub	-	11,14
334.	<i>Senegalia torta</i> (Roxb.) Maslin, Seigler & Ebinger	Shrub	Seengaikeerai	1,3,5
335.	<i>Senna alata</i> (L.) Roxb.	Shrub	Semmagathi	3
336.	<i>Senna auriculata</i> (L.) Roxb.	Shrub	Avaram	1,3,6,7,8,9,12,14
337.	<i>Senna hirsuta</i> (L.) H.S. Irwin & Barneby	Shrub	Avaram	3
338.	<i>Senna holosericea</i> (Fresen.) Greuter	Shrub	-	1,2,3,14,15

339.	<i>Senna occidentalis</i> (L.) Link	Shrub	Ponnviramaram	1,3,5,8,9,14
340.	<i>Senna siamea</i> (Lam.) H.S. Irwin & Barneby	Tree	Manjakonna	1
341.	<i>Senna sophera</i> (L.) Roxb.	Shrub	Ponnaveri	1,5
342.	<i>Senna tora</i> (L.) Roxb.	Shrub	Thakarakeere	1,2,3,14
343.	<i>Sesbania grandiflora</i> (L.) Poir.	Tree	Agathikeera	1,3,10
344.	<i>Sesbania sesban</i> (L.) Merr.	Shrub	Agathikeera	14
345.	<i>Tamarindus indica</i> L.	Tree	Puliyamaram	1,3,8,9,14,15
346.	<i>Tephrosia purpurea</i> (L.) Pers.	Shrub	Kollukkai velai	1,3,4,5,14,15
347.	<i>Ticanto crista</i> (L.) R. Clark & Gagnon	Shrub	-	1
348.	<i>Vachellia farnesiana</i> (L.) Wight & Arn.	Tree	-	1,3,12
349.	<i>Vachellia horrida</i> (L.) Kyal. & Boatwr.	Tree	-	1,3,14
350.	<i>Vachellia leucophloea</i> (Roxb.) Maslin, Seigler & Ebinger	Tree	Vellavelamaram	1,3,9,13
351.	<i>Vachellia nilotica</i> (L.) P.J.H. Hurter & Mabb.	Tree	Dilimaram	3,11,14
352.	<i>Vachellia planifrons</i> (Wight & Arn.) Ragup., Seigler, Ebinger & Maslin	Tree	Kodavelamaram	1,8,11,14
353.	<i>Vigna mungo</i> (L.) Hepper	Herb	Ulzunthapayaru / ulzunthu	1,2,
354.	<i>Vigna radiata</i> (L.) R. Wilczek	Herb	Pasipayaru	14
355.	<i>Xylia xylocarpa</i> (Roxb.) W. Theob.	Tree	Iruvel	1,3,9,14
Gentianaceae				
356.	<i>Enicostema axillare</i> (Poir. ex Lam.) A. Raynal	Herb	Vellai arugu	3,9,11,15
Hernandiaceae				
357.	<i>Gyrocarpus americanus</i> Jacq.	Tree	Tanaku	15
Hydroleaceae				
358.	<i>Hydrolea zeylanica</i> (L.) Vahl	Herb	Vellel	1,3,8
Hypoxidaceae				
359.	<i>Curculigo orchiioides</i> Gaertn.	Herb	Nilappanai	1,2,4,9,15
Lamiaceae				
360.	<i>Anisomeles indica</i> (L.) Kuntze	Herb	Gobura	1,3,14,15
361.	<i>Anisomeles malabarica</i> (L.) R. Br.	Shrub	Payemiratti	3,13,14
362.	<i>Clerodendrum phlomidis</i> L.f.	Shrub	Taggigida	3,9
363.	<i>Coleus amboinicus</i> Lour.	Herb	Karpooravalli	1,3,5,6,11
364.	<i>Coleus barbatus</i> var. <i>barbatus</i>	Herb	Karpooravalli	3,5
365.	<i>Coleus malabaricus</i> Benth.	Herb	Periumthulasi	12
366.	<i>Gmelina arborea</i> Roxb. ex Sm.	Tree	Kumilimaram	1,3
367.	<i>Gmelina asiatica</i> L.	Climber	Mulkumizh	1,8,14
368.	<i>Leonotis nepetifolia</i> (L.) R. Br.	Shrub	Ranaperi	3,14
369.	<i>Leucas aspera</i> (Willd.) Link	Herb	Thumba	1,2,3,5,9,12
370.	<i>Leucas lanata</i> Benth.	Herb	Peruthumba	1
371.	<i>Leucas urticifolia</i> (Vahl) Sm.	Herb	Kannuthumbai	1,5
372.	<i>Mentha spicata</i> L.	Herb	Podina	1,7
373.	<i>Mesospaerum suaveolens</i> (L.) Kuntze	Herb	Gangathulasi	14

374.	<i>Ocimum americanum</i> L.	Herb	Nai-thulasi	2,3,5,7
375.	<i>Ocimum basilicum</i> L.	Herb	Thiruneetrapachai	1,3,5
376.	<i>Ocimum gratissimum</i> L.	Herb	Rajathulasi	1,5
377.	<i>Ocimum tenuiflorum</i> L.	Herb	Swamithulasi	1,2,3,4,5,12,14,15
378.	<i>Orthosiphon thymiflorus</i> (Roth) Sleesen	Herb	Rajathulasi	1
379.	<i>Premna serratifolia</i> L.	Tree	Munnakeere	9,10
380.	<i>Rotheca serrata</i> (L.) Steane & Mabb.	Shrub	Chiruteku	14
381.	<i>Tectona grandis</i> L.f.	Tree	Tekkumaram	1,3,14
382.	<i>Vitex altissima</i> L.f.	Tree	Mayilainochi	3
383.	<i>Vitex negundo</i> L.	Shrub	Notchi	1,2,3,5,9,14,15
384.	<i>Vitex peduncularis</i> Wall. ex Schauer	Shrub	Mayilei	1
385.	<i>Volkameria inermis</i> L.	Shrub	Peechangu	14,15
Lauraceae				
386.	<i>Cinnamomum camphora</i> (L.) J. Presl	Tree	Karpooramaram	12
387.	<i>Cinnamomum verum</i> J. Presl	Tree	Lavangai	4
388.	<i>Cryptocarya stocksii</i> Meisn.	Tree	-	3
389.	<i>Litsea coriacea</i> (B. Heyne ex Nees) Hook.f.	Tree	-	5,9
390.	<i>Machilus glaucescens</i> (Nees) Wight	Tree	-	2,5
391.	<i>Neolitsea foliosa</i> var. <i>scrobiculata</i> (Meisn.) Chakrab.	Tree	-	3,9
Linaceae				
392.	<i>Hugonia mystax</i> L.	Tree	Sudalithalai, Mothirakanni	4
Linderniaceae				
393.	<i>Bonnaya ciliata</i> (Colsm.) Spreng.	Herb	-	1,6
394.	<i>Yamazakia pusilla</i> (Willd.) W.R. Barker, Y.S. Liang & Wannan	Herb	-	3
Loganiaceae				
395.	<i>Strychnos nux-vomica</i> L.	Tree	Yetti	1,3,9,11,15
396.	<i>Strychnos potatorum</i> L.f.	Tree	Sillakottai	6,9
Loranthaceae				
397.	<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Herb	Pulluruvi	1,4
398.	<i>Dendrophthoe longiflora</i> (Desr.) Ettingsh.	Herb	Velluruvi, velruootu	4
399.	<i>Scurrula parasitica</i> L.	Herb	Chiruottu	7,8,9
Lythraceae				
400.	<i>Lagerstroemia microcarpa</i> Wight	Tree	-	1
401.	<i>Lagerstroemia speciosa</i> (L.) Pers.	Tree	-	11
402.	<i>Lawsonia inermis</i> L.	Shrub	Maruthondri, Maruthani	1,3,5,7,11,14
403.	<i>Punica granatum</i> L.	Shrub	Mathaloi	1,2,3,5,6,8
Magnoliaceae				
404.	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Tree	Chapangai	1,14
Malvaceae				
405.	<i>Abelmoschus esculentus</i> (L.) Moench	Shrub	Bhendhi	5,8

406.	<i>Abroma augustum</i> (L.) L.f.	Shrub	-	6
407.	<i>Abutilon indicum</i> (L.) Sweet	Shrub	Thuthi	1,3,5,11,14
408.	<i>Bombax ceiba</i> L.	Tree	Sanmali, Unnamuruka	9
409.	<i>Decaschistia crotonifolia</i> Wight & Arn.	Shrub	Kallasedi	1
410.	<i>Grewia flavescens</i> Juss.	Shrub	Semparandai	4,3,14
411.	<i>Grewia hirsuta</i> Vahl	Shrub	Kallai	1,13
412.	<i>Grewia tenax</i> (Forssk.) Fiori	Shrub	Unnu	1,3
413.	<i>Grewia tiliifolia</i> Vahl	Shrub	Lumma	1,3,13,14
414.	<i>Grewia villosa</i> Willd.	Shrub	Jenukallai	1,9
415.	<i>Guazuma ulmifolia</i> Lam.	Tree	Thenpoochi-ela	1
416.	<i>Helicteres isora</i> L.	Shrub	Valampuri	3,12
417.	<i>Hibiscus micranthus</i> L.f.	Shrub	Sitraamutti	1,5,8
418.	<i>Hibiscus ovalifolius</i> (Forssk.) Vahl	Shrub	Pullaithekkku	1,6
419.	<i>Hibiscus rosa-sinensis</i> L.	Shrub	Chembaruthi	14
420.	<i>Malvastrum coromandelianum</i> (L.) Garcke	Herb	Kalakarandai	3,14
421.	<i>Pterospermum reticulatum</i> Wight & Arn.	Tree	Kanakachampangi	1,3
422.	<i>Sida acuta</i> Burm.f.	Herb	Kalakarandai	1,15
423.	<i>Sida cordata</i> (Burm.f.) Bors. Waalk.	Herb	Thuthichedi	3,11,12,15
424.	<i>Sida rhombifolia</i> L.	Herb	Kurunthotti	1,3,9,15
425.	<i>Sterculia foetida</i> L.	Tree	Pimaram	14
426.	<i>Sterculia urens</i> Roxb.	Tree	Paravakka	12
427.	<i>Thespesia populnea</i> (L.) Sol. ex Corrèa	Tree	Poovarasu	1,14,15
428.	<i>Triumfetta pilosa</i> Roth	Shrub	-	1,4,8
Marsileaceae				
429.	<i>Marsilea minuta</i> L.	Herb	Chiruraraik-keera	8
430.	<i>Marsilea quadrifolia</i> L.	Herb	Araik-keera	1
Meliaceae				
431.	<i>Aglaia elaeagnoidea</i> (A. Juss.) Benth.	Tree	Chokkala	1
432.	<i>Azadirachta indica</i> A. Juss.	Tree	Vembu	1,3,8,9,11,12,14,15
433.	<i>Cipadessa baccifera</i> (Roxb. ex Roth) Miq.	Shrub	Pullipancheddi, savattuchedi	3,9,14
434.	<i>Dysoxylum gotadhora</i> (Buch.-Ham.) Mabb.	Tree	-	1
435.	<i>Dysoxylum malabaricum</i> Bedd. ex C.DC.	Tree	-	1,2,3,9
436.	<i>Khaya senegalensis</i> (Desr.) A. Juss.	Tree	Khaya-ka	1,14
437.	<i>Melia azedarach</i> L.	Tree	Thulu/ thulukan vembu	2,3
438.	<i>Melia dubia</i> Cav.	Tree	Malavembu	3,8,15
439.	<i>Swietenia macrophylla</i> King	Tree	Mahagony	1,8
440.	<i>Toona ciliata</i> M. Roem.	Tree	Thunumaram	1,3
Menispermaceae				
441.	<i>Cissampelos pareira</i> L.	Climber	Ponmusutai	1,3,6,15

442.	<i>Cocculus hirsutus</i> (L.) W. Theob.	Climber	Vella-katha kodi	3,5
443.	<i>Cyclea peltata</i> (Burm.f.) Hook.f. & Thomson	Climber	Mulvelikizhangu	1,9
444.	<i>Pachygone ovata</i> (Poir.) Miers ex Hook.f. & Thomson	Climber	Perungkaattukodi	1,15
445.	<i>Stephania japonica</i> (Thunb.) Miers	Climber	Kaala kodi	1
446.	<i>Tiliacora acuminata</i> (Lam.) Miers	Climber	Perunkattukkoti	1
447.	<i>Tinospora cordifolia</i> (Willd.) Hook.f. & Thomson	Climber	Vayvasale, chivanthi	1,7,9,14
448.	<i>Tinospora glabra</i> (Burm.f.) Merr.	Climber	Chivanthi	8
Molluginaceae				
449.	<i>Glinus lotoides</i> L.	Herb	Siruserupadai	6
450.	<i>Glinus oppositifolius</i> (L.) Aug.DC.	Herb	-	3
451.	<i>Paramollugo nudicaulis</i> (Lam.) Thulin	Herb	-	1,5,14
452.	<i>Trigastrotheca pentaphylla</i> (L.) Thulin	Herb	-	3,4,10
Moraceae				
453.	<i>Antiaris toxicaria</i> (J.F. Gmel.) Lesch.	Tree	-	3
454.	<i>Artocarpus gomezianus</i> Wall. ex Trécul	Tree	Chirupala	3
455.	<i>Artocarpus heterophyllus</i> Lam.	Tree	Palamaram, chakka	1,3,9,11,14,15
456.	<i>Artocarpus hirsutus</i> Lam.	Tree	Kaatupala, Kaatuchakka	3,5,14
457.	<i>Ficus amplissima</i> Sm.	Tree	Kallamaram	1
458.	<i>Ficus arnottiana</i> (Miq.) Miq.	Tree	-	1,4,14,15
459.	<i>Ficus beddomei</i> King	Tree	-	6
460.	<i>Ficus benghalensis</i> L.	Tree	Aala	1,3,4,9,11,14
461.	<i>Ficus benjamina</i> L.	Tree	Pimpri	1,3,6,9,14
462.	<i>Ficus carica</i> L.	Tree	Simaiyattai	1,3,12,15
463.	<i>Ficus pumila</i> L.	Tree	Kodiala	1,3,8,9
464.	<i>Ficus racemosa</i> L.	Tree	Atthi	3,6,8,9,14,15
465.	<i>Ficus religiosa</i> L.	Tree	Arasu	1,4,8,11,14
466.	<i>Ficus virens</i> Aiton	Tree	-	4
467.	<i>Streblus asper</i> Lour.	Tree	Kembara	1
Moringaceae				
468.	<i>Moringa concanensis</i> Nimmo ex Dalzell & A. Gibson	Tree	Kattumurungai	3
469.	<i>Moringa oleifera</i> Lam.	Tree	Murungai	1,3,4,8
Musaceae				
470.	<i>Musa × paradisiaca</i> L.	Herb	Valai, valamaram	3,4,6,15
471.	<i>Musa acuminata</i> Colla	Herb	Valai, valamaram	3,14
Myristicaceae				
472.	<i>Myristica fragrans</i> Houtt.	Tree	Jadhikai	3
Myrtaceae				
473.	<i>Eucalyptus globulus</i> Labill.	Tree	Thailamaram	1
474.	<i>Eucalyptus tereticornis</i> Sm.	Tree	Thailamaram	1,2
475.	<i>Psidium guajava</i> L.	Tree	Koyyamaram	1,3,11,14

476.	<i>Syzygium aromaticum</i> (L.) Merr. & L.M. Perry	Tree	Kiraampu	11,14
477.	<i>Syzygium cumini</i> (L.) Skeels	Tree	Njaval	1,3,5,6,8,11
Nelumbonaceae				
478.	<i>Nelumbo nucifera</i> Gaertn.	Herb	Thamarai	3,6
Nyctaginaceae				
479.	<i>Boerhavia diffusa</i> L.	Shrub	Mukkurttaikkoti	1,2,3,5,6,7,8
480.	<i>Commicarpus chinensis</i> (L.) Heimerl	Herb	-	9
481.	<i>Commicarpus plumbagineus</i> (Cav.) Standl.	Herb	-	1
Oleaceae				
482.	<i>Jasminum angustifolium</i> (L.) Willd.	Climber	Kattu mallige	1,3,9,14
483.	<i>Jasminum angustifolium</i> var. <i>sessiliflorum</i> (Vahl) P.S. Green	Climber	Kattu mullai	1
484.	<i>Jasminum auriculatum</i> Vahl	Climber	Kattu mullai	1,9
485.	<i>Jasminum cuspidatum</i> Rottler	Climber	Parcorikkirai	1,5,6
486.	<i>Jasminum trichotomum</i> B. Heyne ex Roth	Climber	Parumalli	1
487.	<i>Ligustrum vulgare</i> L.	Shrub	Koli	1
488.	<i>Olea europaea</i> L.	Tree	-	1
Onagraceae				
489.	<i>Ludwigia octovalvis</i> (Jacq.) P.H. Raven	Shrub	Peruneerkaraya	13
490.	<i>Ludwigia perennis</i> L.	Herb	Neerkaraya	1
491.	<i>Ludwigia peruviana</i> (L.) H. Hara	Shrub	Kattukkirampu	1,3
Orchidaceae				
492.	<i>Aerides crispa</i> Lindl.	Herb	Kantankuli	12
493.	<i>Cymbidium aloifolium</i> (L.) Sw.	Herb	Konkani	1
494.	<i>Vanda tessellata</i> (Roxb.) Hook. ex G. Don	Herb	-	3,5,15
Orobanchaceae				
495.	<i>Striga lutea</i> Lour.	Herb	-	3
Oxalidaceae				
496.	<i>Oxalis corniculata</i> L.	Herb	Puliyarai	1,3,5,6,9,14
Pandanaceae				
497.	<i>Pandanus odorifer</i> (Forssk.) Kuntze	Tree	-	1,8
Papaveraceae				
498.	<i>Argemone mexicana</i> L.	Herb	Sullicheddi	1,3,4,14,15
Passifloraceae				
499.	<i>Passiflora foetida</i> L.	Climber	Masakotta	1,4,7,15
500.	<i>Passiflora leschenaultii</i> DC.	Climber	Seemavelari	8
Pedaliaceae				
501.	<i>Pedaliium murex</i> L.	Herb	Yanai nerunjil	3
502.	<i>Sesamum indicum</i> L.	Herb	Ellu	1
Phrymaceae				
503.	<i>Peplidium maritimum</i> (L.f.) Asch.	Herb	Parupu-keerai	1
Phyllanthaceae				

504.	<i>Antidesma ghaesembilla</i> Gaertn.	Tree	-	1,14,15
505.	<i>Antidesma montanum</i> var. <i>montanum</i>	Tree	-	15
506.	<i>Bischofia javanica</i> Blume	Tree	Thondi	1,8
507.	<i>Breynia androgyna</i> (L.) Chakrab. & N.P. Balakr.	Shrub	Nirurii	14
508.	<i>Breynia retusa</i> (Dennst.) Alston	Shrub	Peruniruri	10
509.	<i>Bridelia montana</i> (Roxb.) Willd.	Shrub	Malamulvenga	1
510.	<i>Bridelia retusa</i> (L.) A. Juss.	Shrub	Mulluvenga	1,3
511.	<i>Phyllanthus acidus</i> (L.) Skeels	Tree	Aranelli	3
512.	<i>Phyllanthus amarus</i> Schumach. & Thonn.	Herb	Kila-nelli	1,3,7,8,10,12,14
513.	<i>Phyllanthus debilis</i> J.G. Klein ex Willd.	Herb	-	1,7
514.	<i>Phyllanthus emblica</i> L.	Tree	Nellikai	1,3,7,8,9,11,14,15
515.	<i>Phyllanthus indofischeri</i> Bennet	Tree	Nelli	8
516.	<i>Phyllanthus maderaspatensis</i> L.	Herb	Civappu kilanelli	1,3,8,14
517.	<i>Phyllanthus niruri</i> L.	Herb	Keezhanelli	7,13
518.	<i>Phyllanthus reticulatus</i> Poir.	Shrub	Neerpula	6,8,14
519.	<i>Phyllanthus rheedei</i> Wight	Herb	-	7
520.	<i>Phyllanthus urinaria</i> L.	Herb	Senkeezhnelli	6,7,8
521.	<i>Phyllanthus virgatus</i> G. Forst.	Herb	Siru nelli	7
Piperaceae				
522.	<i>Piper betle</i> L.	Climber	Vetila	1,2,3,13,14,15
523.	<i>Piper longum</i> L.	Climber	Thipali	3,8
524.	<i>Piper nigrum</i> L.	Climber	Kurumilagu	1,11,12,15
Plantaginaceae				
525.	<i>Bacopa monnieri</i> (L.) Wettst.	Herb	-	1,3,4,5
526.	<i>Kickxia elatine</i> (L.) Dumort.	Herb	-	1
527.	<i>Plantago asiatica</i> subsp. <i>erosa</i> (Wall.) Z. Yu Li	Herb	-	1,2
528.	<i>Scoparia dulcis</i> L.	Herb	Sarkaraivempu	1,6
529.	<i>Stemodia viscosa</i> Roxb.	Herb	Niumulli	3
Plumbaginaceae				
530.	<i>Plumbago zeylanica</i> L.	Shrub	Kodiveli	3,4,7,9,14,15
Poaceae				
531.	<i>Arundo donax</i> L.	Herb	Velam, korukkai	1,4,6
532.	<i>Bambusa bambos</i> (L.) Voss	Tree	Moongil	1,3,6,8,9,10,14
533.	<i>Cenchrus ciliaris</i> L.	Herb	Kollukattaipullu	1,6
534.	<i>Chloris barbata</i> Sw.	Herb	Kodaipullu	1,8,14
535.	<i>Chrysopogon zizanioides</i> (L.) Roberty	Herb	Vetiver	9,14
536.	<i>Cymbopogon citratus</i> (DC.) Stapf	Herb	Kamachipul	1,3,4,9
537.	<i>Cymbopogon martini</i> (Roxb.) Will. Watson	Herb	-	1
538.	<i>Cynodon dactylon</i> (L.) Pers.	Herb	Arugampillu	1,3,6,8,9,12,14,15
539.	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Herb	Kakkakalpul	3,6
540.	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Tree	Kattumoongil, Perumoongal	1

541.	<i>Eleusine coracana</i> (L.) Gaertn.	Herb	Kaelvaragu	1,2,8
542.	<i>Panicum sumatrense</i> Roth	Herb	Saamai	1,3,9
543.	<i>Sorghum bicolor</i>	Herb	Cholam	1,3,9
544.	<i>Setaria italica</i>	Herb	Thinai	1,3,8,9
545.	<i>Pennisetum glaucum</i>	Herb	Kambu	13,8,9
Polygonaceae				
546.	<i>Persicaria chinensis</i> (L.) H. Gross	Shrub	Velkarumpu-poo	1,3
547.	<i>Persicaria glabra</i> (Willd.) M. Gómez	Shrub	Odda-karumpu	1,3,7
548.	<i>Antigonon leptopus</i> Hook. & Arn.	Herb	Kodi roja	1
Polygalaceae				
549.	<i>Polygala arvensis</i> Willd.	Herb	Vecinankai	1
Polypodiaceae				
550.	<i>Drynaria quercifolia</i> (L.) J. Sm.	Herb	Mudavattukizhangu	9
Portulacaceae				
551.	<i>Portulaca oleracea</i> L.	Herb	Kozhi-keerai	1,2,14
552.	<i>Portulaca wightiana</i> Wall. ex Wight & Arn.	Herb	Paruppukeerai	2,6
Primulaceae				
553.	<i>Lysimachia arvensis</i> (L.) U. Manns & Anderb.	Herb	-	1
554.	<i>Maesa indica</i> (Roxb.) Sweet	Shrub	-	3,4
Proteaceae				
555.	<i>Grevillea robusta</i> A. Cunn. ex R. Br.	Tree	Silverwood	1
Pteridaceae				
556.	<i>Acrostichum aureum</i> L.	Herb	-	1,3,8
Putranjivaceae				
557.	<i>Drypetes sepiaria</i> (Wight & Arn.) Pax & K. Hoffm.	Tree	Thanuvam	1,3
558.	<i>Putranjiva roxburghii</i> Wall.	Tree	-	11
Ranunculaceae				
559.	<i>Aconitum heterophyllum</i> Wall. ex Royle	Herb	Athividayam	1,15
560.	<i>Clematis gouriana</i> Roxb. ex DC.	Climber	Meenae	1,9
Rhamnaceae				
561.	<i>Scutia myrtina</i> (Burm.f.) Kurz	Shrub	Sudali	1,3
562.	<i>Ziziphus jujuba</i> Mill.	Tree	Ellanthai	1,3,7
563.	<i>Ziziphus mauritiana</i> Lam.	Tree	Ilanthai	1,3,5,8,14
564.	<i>Ziziphus oenopolia</i> (L.) Mill.	Shrub	Churipala chedi	1,3,8
565.	<i>Ziziphus rugosa</i> Lam.	Shrub	-	3
Rosaceae				
566.	<i>Crataegus monogyna</i> Jacq.	Tree	-	2,5
567.	<i>Rubus ellipticus</i> Sm.	Shrub	Vella mulli	13
568.	<i>Rubus fruticosus</i> L.	Shrub	Sivapu mulli	3,12
569.	<i>Rubus niveus</i> Thunb.	Shrub	Kurangumullu	1
Rubiaceae				
570.	<i>Adina cordifolia</i> (Roxb.) Brandis	Tree	Manjal kadambai	1,3,4

571.	<i>Benkara malabarica</i> (Lam.) Tirveng.	Shrub	Pudan	3,14
572.	<i>Canthium coromandelicum</i> (Burm.f.) Alston	Tree	Bellakarai	1,3,6
573.	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Shrub	Madkarai	1,5,9,14
574.	<i>Ixora coccinea</i> L.	Shrub	Vechipoo	7
575.	<i>Ixora pavetta</i> Andrews	Shrub	Sulunthu maram	1,3,5
576.	<i>Mitracarpus hirtus</i> (L.) DC.	Climber	-	14
577.	<i>Morinda citrifolia</i> L.	Tree	Nunamaram	1,3,8
578.	<i>Oldenlandia umbellata</i> L.	Herb	Kurunthulachi	4
579.	<i>Pavetta indica</i> L.	Shrub	Pavattai	15
580.	<i>Psydrax dicoccos</i> Gaertn.	Tree	Goni	1,15
581.	<i>Rubia cordifolia</i> L.	Climber	Chevvali kodi	1,13,14,15
582.	<i>Spermacoce hispida</i> L.	Herb	Nathaisoori	9,11,15
583.	<i>Spermacoce latifolia</i> Aubl.	Herb	-	1
584.	<i>Spermacoce ocymoides</i> Burm.f.	Herb	-	14
585.	<i>Tarenna asiatica</i> (L.) Kuntze ex K. Schum.	Tree	Tharani	10
Rutaceae				
586.	<i>Aegle marmelos</i> (L.) Corrèa	Tree	Vilvam	1,3,5,7,8,10,12
587.	<i>Atalantia monophylla</i> DC.	Tree	Kaattu elumichai	1,9
588.	<i>Bergera koenigii</i> L.	Tree	Karivepila	1,3,7
589.	<i>Chloroxylon swietenia</i> DC.	Tree	Porosamaram	1,4,11
590.	<i>Citrus × limon</i> (L.) Osbeck	Shrub	Naaratha, elumacha	3,14
591.	<i>Citrus medica</i> L.	tree	Kattu naarthai	1,9,14
592.	<i>Glycosmis mauritiana</i> (Lam.) Tanaka	Shrub	Panasedi	1,4
593.	<i>Glycosmis pentaphylla</i> (Retz.) DC.	Shrub	Melaekulukki	1,5,7,9,11
594.	<i>Limonia acidissima</i> L.	Tree	Valampalam	9,14
595.	<i>Murraya paniculata</i> (L.) Jack	Tree	Sedisil maram	1,11
596.	<i>Naringi crenulata</i> (Roxb.) Nicolson	Tree	Narimodali	1,9
597.	<i>Pleiospermium alatum</i> (Wall. ex Wight & Arn.) Swingle	Tree	Kaatukichili	1,2
598.	<i>Ruta chalepensis</i> L.	Herb	Aruvatha-gidu	1
599.	<i>Ruta graveolens</i> L.	Herb	Aruvatha-gidu	1,3,4,9
600.	<i>Zanthoxylum asiaticum</i> (L.) Appelhans, Groppo & J. Wen	Climber	-	1,3,5,11,14
Salicaceae				
601.	<i>Flacourtia ramontchi</i> L'Hér.	Tree	Kejalikachedi	1
602.	<i>Homalium ceylanicum</i> (Gardner) Benth.	Tree	-	14
Salvadoraceae				
603.	<i>Azima tetracantha</i> Lam.	Shrub	Mullukuthi chedi	1,9,14
604.	<i>Salvadora persica</i> L.	Tree	Uka	1,9,11
Santalaceae				
605.	<i>Santalum album</i> L.	Tree	Santhanamaram	1,3,6,8,14
606.	<i>Thesium wightianum</i> Wall. ex Hook.f.	Herb	Anaikchi	1
607.	<i>Viscum album</i> L.	Shrub	Maraththottu	1,2,8

Sapindaceae			
608.	<i>Arfeuillea arborescens</i> Pierre ex Radlk.	Tree	- 9
609.	<i>Cardiospermum halicacabum</i> L.	Climber	Mudakkathan 1,3,6,8,9,12,13,15
610.	<i>Dimocarpus longan</i> Lour.	Tree	Poovati 15
611.	<i>Dodonaea viscosa</i> Jacq.	Shrub	Malandha 1,3,4,9,14
612.	<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	Tree	1
613.	<i>Harpullia arborea</i> (Blanco) Radlk.	Tree	Neykkottai 9
614.	<i>Sapindus emarginatus</i> Vahl	Tree	Poosamaram 1,3,5,11,14
615.	<i>Schleichera oleosa</i> (Lour.) Oken	Tree	Pulipoocha 5,14
Sapotaceae			
616.	<i>Chrysophyllum cainito</i> L.	Tree	- 1
617.	<i>Madhuca bourdillonii</i> (Gamble) H.J. Lam	Tree	Illupa 8
618.	<i>Madhuca longifolia</i> (L.) J.F. Macbr.	Tree	Illupa 1,6,8,14
619.	<i>Manilkara hexandra</i> (Roxb.) Dubard	Tree	Ulakkai-p-palai 9,11
620.	<i>Manilkara zapota</i> (L.) P. Royen	Tree	Sapotakai, Chakrapala 1
621.	<i>Mimusops elengi</i> L.	Tree	Makilam 1,14
Simaroubaceae			
622.	<i>Ailanthus excelsa</i> Roxb.	Tree	Peru, thikamaram 1,4,5,7,13,14
623.	<i>Ailanthus triphysa</i> (Dennst.) Alston	Tree	Perumaram, 15
624.	<i>Simarouba glauca</i> DC.	Tree	Sorghu maram, Sorgamaram 3
Smilacaceae			
625.	<i>Smilax zeylanica</i> L.	Climber	Naguthali 9
Solanaceae			
626.	<i>Brugmansia suaveolens</i> (Humb. & Bonpl. ex Willd.) Sweet	Shrub	Ven-oomatha 5
627.	<i>Capsicum annum</i> L.	Herb	Moolaka, molaguka 1,12
628.	<i>Datura metel</i> L.	Shrub	Oomethai 1,5,9,12,14,15
629.	<i>Datura stramonium</i> L.	Shrub	Yemmuth 3,6
630.	<i>Nicandra physalodes</i> (L.) Gaertn.	Herb	Sudakkuthakkali 3
631.	<i>Physalis angulata</i> L.	Herb	Potolai 3,6
632.	<i>Solanum americanum</i> Mill.	Herb	Kake dagu 1
633.	<i>Solanum anguivi</i> Lam.	Herb	Katheli-badhil 1,3
634.	<i>Solanum betaceum</i> Cav.	Shrub	Tametakai, Maratakkali 1,8
635.	<i>Solanum erianthum</i> D. Don	Herb	Kattuchundai 1,3,4,11
636.	<i>Solanum giganteum</i> Jacq.	Shrub	Perumsunda 3
637.	<i>Solanum lasiocarpum</i> Dunal	Herb	Kandakathiri 3
638.	<i>Solanum nigrum</i> L.	Herb	Chukutkeerai 1,3,5,9,11,13
639.	<i>Solanum torvum</i> Sw.	Herb	Sundakayi 1,3,8
640.	<i>Solanum trilobatum</i> L.	Herb	Thovala sedi, Thoothuvala 3,11
641.	<i>Solanum violaceum</i> Ortega	Herb	Yetikai 1,9

642.	<i>Solanum virginianum</i> L.	Herb	Kandakathiri	1,2,3,5,6,8,9,11,13
643.	<i>Withania somnifera</i> (L.) Dunal	Shrub	Amukkuram	1,4,8,9,13
Tamaricaceae				
644.	<i>Tamarix indica</i> Willd.	Shrub	Kattuchaukku	1
Theaceae				
645.	<i>Camellia sinensis</i> (L.) Kuntze	Shrub	Thea-chedi / ella	1,2,7
Ulmaceae				
646.	<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Tree	Bachi	1,7,11
Verbenaceae				
647.	<i>Lantana camara</i> L.	Shrub	Unnika chedi	1,3,5
648.	<i>Lantana indica</i> Roxb.	Shrub	Unni	1,15
649.	<i>Lantana veronicifolia</i> Hayek	Shrub	Unni	14
650.	<i>Phyla nodiflora</i> (L.) Greene	Herb	Poduthalai	1,3,9
Vitaceae				
651.	<i>Pigea enneasperma</i> (L.) P.I. Forst.	Herb	-	1,4
652.	<i>Ampelocissus tomentosa</i> (Roth) Planch.	Climber	Kattukodi munthiri	14
653.	<i>Cayratia pedata</i> (Lam.) Juss. ex Gagnep.	Climber	Kattuperandai	5,9
654.	<i>Cissus quadrangularis</i> L.	Climber	Perandai	1,3,4,5,9,14
655.	<i>Cissus repanda</i> (Wight & Arn.) Vahl	Climber	Chiruperanda	14
656.	<i>Cissus vitiginea</i> L.	Climber	Kundupirandai	9
Zingiberaceae				
657.	<i>Alpinia calcarata</i> (Andrews) Roscoe	Shrub	Chiruperrathei	1,5
658.	<i>Alpinia galanga</i> (L.) Willd.	Shrub	Perrathei	1,3,5,8,9
659.	<i>Curcuma aromatica</i> Salisb.	Herb	Manjal, manja kizhlangu	1,14
660.	<i>Curcuma longa</i> L.	Herb	Manjal, manja kizhlangu	1,2,3,14
661.	<i>Curcuma pseudomontana</i> J. Graham	Herb	Kattumanjal	1
662.	<i>Zingiber officinale</i> Roscoe	Herb	Injii, Chukku	2
Zygophyllaceae				
663.	<i>Tribulus terrestris</i> L.	Herb	Nerunchi	1,3,6,7

Streszczenie

W artykule dokonano przeglądu opublikowanej bibliografii związanej z wiedzą etnobotaniczną wykorzystywaną w celach leczniczych i w codziennej żywności przez rdzenną społeczność Irula z Tamil Nadu w Indiach. Zebrano 60 artykułów opublikowanych od 1980 r. do lipca 2023 r., pochodzących ze źródeł Internetowych i bibliotek centralnych instytucji badawczych. Przeanalizowano i dokonano przeglądu roślin etnoleczniczych wykorzystywanych przez społeczność Irula. Zebrano lokalizacje z opublikowanej bibliografii i przygotowano mapę rozmieszczenia przy użyciu oprogramowania QGIS. W przeglądzie tym wzięto pod uwagę około 34 publikacji z okręgu Coimbatore, które wniosły największy wkład oraz 11 z okręgu Nilgiris. Społeczność Irulas korzystała dotychczas z 663 gatunków roślin i 462 rodzajów, należących do 121 rodzin. Sklasyfikowano również 15 głównych zaburzeń zdrowotnych w szerokim ujęciu, w leczeniu których wykorzystuje się skatalogowane rośliny. Około 417 gatunków spożywano w celu wzmocnienia ogólnego stanu zdrowia i przy schorzeniach związanych z gorączką, przeziębieniem, kaszlem, bólem głowy, migreną, skaleczeniami, ranami i bólami ciała. Następnie, aż 288 odnotowanych gatunków wykorzystywano w leczeniu zaburzeń żołądkowo-jelitowych i 177 gatunków w leczeniu zaburzeń dermatologicznych. Niniejszy przegląd roślin etnoleczniczych dostarcza zaktualizowanych, cennych informacji i poszerza wiedzę na temat tradycyjnej medycyny ludowej i codziennej żywności wykorzystywanej przez plemię Irula. Zebrane dane etnobotaniczne mogą odegrać istotną rolę w ochronie rzadkich gatunków roślin leczniczych.

Słowa kluczowe: lista florystyczna, Indie Płd., rdzenne plemię, rośliny lecznicze, wiedza tradycyjna

Received: [2023.11.05]

Accepted: [2023.12.17]