# Ethno-botanical Examination of Medicinal Plants Diversity in Molamalai, Karur District, Tamil Nadu

S. Mounika\*, K. Geetha, N. Anjana Devi, S. Sharmila and S. M. Dhivya

PG and Research Department of Botany, Vellalar College for Women, Thindal, Erode - 638012, Tamil Nadu, India; mownika02@gmail.com

### **Abstract**

**Objective:** The ethno-botanical assessment aims to explore and gather the medicinally aromatic foliages used by local traditional healers at Molamalai Hill, Karur district of Tamil Nadu, India. **Materials and Methods:** With the assist of medicine-men, elderly people and local traditional healers, the field investigation was conceded out through semi-structured interviews. The knowledge on potent plants and their local names, parts of the plant used in the preparation of medicine and mode of administration on a variety of diseases were recognized. **Results:** The survey has explored a total of 81 vital angiospermic medicinally aromatic plants belonging to 37 families. Analysis of surveyed plants showed that a greater number of dicotyledons (79 species) belong to a variety of families and 2 monocotyledons belong to Liliaceae and Commelinaceae. Within the dicotyledons, polypetalous shows 37 species, gamopetalous shows 30 species and 12 are monochlamydeae. The majority of the families were represented by Fabaceae and Convolvulaceae (8 species). The 81 diverse ethnic medicinal plants are used to treat skin illness, rheumatism, diabetes, diarrhoea, indigestion, and gonorrhoea. **Conclusion:** The cram suggested that the present information on the aromatic medicinal use of plants may be helpful for botanical and pharmacological research in the future for the discovery of novel sources of drugs.

Keywords: Ethno-botany, Karur Medicinal Plants, Molamalai Hill

### 1. Introduction

The world of plants and even entirely natural resources is a virtually unexploited reservoir of novel drugs. The presence of bioactive compounds has been systematically studied from 5-15% of superior plant species. There is a dire need to broaden nature exploration as a basis of novel dynamic agents that may serve as the leads and scaffolds for the enlargement of effective drugs that are desperately needed for multiple indications of illness. Nature is the prime source of new active chemotypes for the development of effective medicines. A large portion of nature is yet to be explored, and many new bioactive chemotypes are expected to be discovered from both terrestrial and marine sources<sup>1</sup>. Traditional medicinal

plants in several developing countries are still the mainstay of health care as defined by World Health Organization<sup>2</sup>.

World's population especially three-quarters depends primarily on plants and plant extracts for wellbeing. More than 30% of all plant species at one time or another has been used for medicinal purposes (National Health Portal)<sup>3</sup>. Therefore, the documentation of plants as a resource of medicine has become further imperative in the context of the current world trade scenario, where the expenditure of allopathic medicinal products may be out to reach of the common man. In such time, it is highly needed that more folklore of our indigenous knowledge of medicine should be explored and the availability of such plants is surveyed in each quarter of the state. The hopeful and growth-friendly environmental system like

propagation and conservation of these plant species must be determined to plan for the future. Hence, the valuable groups of plants are threatened with extinction, because of overexploitation and habitat destruction. With the above background, the present examination was carried out in Molamalai hill, Karur district, to make people aware of the potential of medicinal plants from all angles, so that these life-saving plants can be protected from destruction.

### 2. Materials and Methods

### 2.1 The Portrayal of the Study Area

Molamalai is a segment of the Western Ghats of Tamil Nadu. It is situated at Pallapatti, 250 km away from Erode district and comes under Aravakurichi taluk in Karur district (Map 1). The hill stands at a height of 300 m above MSL. Its terrain condition is characterized by undulating regions intersected with small furrows and steep rocks. The total area of the hill is about 400 hectares. The temperature of the hill remains pleasant though it experienced dryness in the summer months. The study area has an average annual temperature of 29°C. The hill received northeast and southwest monsoon with the mean annual rainfall of 110mm due to failure of monsoon. The population of the surrounding hill area is approximately 1500 males and females (Plate 1).



Map 1. Showing the location of the study area





Plate 1. Panoramic view of Molamalai Hill sector - east view Interview with local people.

# 2.2 Anthology and Substantiation of Therapeutic Plants

The field survey was conducted in December. The information collected on plant species was mainly gathered through semi-structured interviews with the help of medicine-men, elderly people and traditional local healers. The information on plants and their local names, plant parts used in the preparation of drugs and mode of administration in a variety of diseases was recognized in the field investigation and confirmed by cross-referencing with the existing literature. The collected plants were identified with the assist of existing Floras viz., Flora of the Presidency of Madras<sup>4</sup> and Matthew<sup>5</sup> and the identity were authenticated with type specimens available in the herbarium of Botanical Survey of India, Southern Circle, TNAU Campus, Coimbatore, Tamil Nadu. According to Bentham and Hooker's system of classification, the plants were enumerated orderly.

### 3. Results and Discussion

The present study has documented a total of 81 angiospermic therapeutic plants curing a mixture of human ailments. Among the 81 angiosperms, 79 species are dicotyledons and 2 monocotyledons. Within the Dicotyledons, 37 species are Polypetalae, 30 species are Gamopetalae and 12 species are Monochlamydeae. The family-wise analysis revealed the presence of more species in the Fabaceae (8 species) family followed by Mimosaceae (5 species), Caesalpiniaceae, Compositae, Amaranthaceae, Euphorbiaceae (4 species), Verbenaceae, Lamiaceae (3 species), Menispermaceae, Capparidaceae,

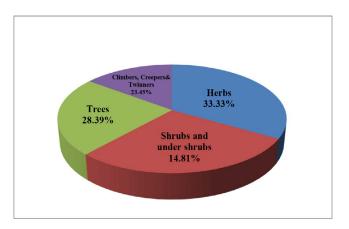


Figure 1. Habit Wise Analysis of Medicinal Plants.

Malvaceae, Meliaceae, Rhamnaceae, Sapindaceae, Salvadoraceae, Apocynaceae, Asclepiadaceae, Boraginaceae, Pedaliaceae and Moraceae (2 species). The remaining families are represented by a single species. Status wise analysis indicated that 53 plants are presently safe, 1 plant is in the threatened state, 27 plants are in the sporadic state and 9 species under presently safe, 6 species under sporadic status are cultivated.

Habit-wise analysis (Figure 1) showed the predominance of herbs (33.33%) followed by trees (28.39%), climbers, creepers and twinners (23.45%) and shrubs (14.81%). The part wise use analysis (Figure 2)

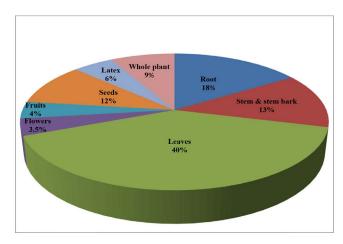


Figure 2. Part Wise Analysis of Medicinal Plants.

Table 1. Enumeration of medicinal plants

S.No.	Binomial / Status	Common / Local name	Family	Habit	Parts / Medicinal uses	Active Principles
1	<b>Tinospora cordifolia</b> Miers. S	Seendil kodi	Menispermaceae	Climber	Whole plant - Digestive, anti-inflammatory	Alkaloids, phytosterol & glycosides
2	Cocculus hirsutus Diels. PS	Kattukodi	Menispermaceae	Climber	Leaf - Diuretic, laxative, stomach-ache Root - Weight loss, fever	Alkaloids
3	Capparis sepiaria Linn. PS	Curai	Capparidaceae	Shrub	Leaf - Ulcer, diarrhoea Root - Cancer, stomach complaints, wounds	Flavonoids and phenols
4	<b>Cretaeva religiosa</b> Forst.	Mavilankai	Capparidaceae	Tree	Stem bark - Joint pains	Triterpenes
5	Polycarpaea corym- bosa Lam. PS	Nilaisedachi	Caryophyllaceae	Herb	Leaf - Jaundice, astringent	Triterpene and saponins
6	Abutilon indicum G. Don. PS	Thuthi	Malvaceae	Shrub	<b>Leaf</b> - Laxative, diuretic, sedative, astringent, piles	Triterpene, phenols and steroids

7	Pavonia zeylanica Cav. PS	Mammati	Malvaceae	Undershrub	Whole plant - Skin diseases.  Root - Piles, constipation, rheumatism	Tannins
8	<b>Aegle marmelos</b> Corr. S/C	Vilvam	Rutaceae	Tree	Fruit - Dysentery, ulcer, respiratory disorders, astringent	Phenols
9	Ailanthus excelsa Roxb. S/C	Perumaram	Simarubaceae	Tree	Bark - Fever	Triterpenes
10	Azadirachta indica A. Juss. PS/C	Veppai	Meliaceae	Tree	Bark and Leaf - Fever, skin diseases	Nimbidine and nimbine
11	<b>Melia azedarach</b> Linn. S	Kattu vembhu	Meliaceae	Tree	<b>Leaves and Seeds</b> - Piles, skin disease	Phenols
12	<b>Zizyphus jujube</b> Lam. PS	Arulatotiyam	Rhamnaceae	Tree	Fruits & Seeds - Gastroin- testinal disorders	Flavonoids and triterpene
13	<b>Zizyphus rugosa</b> Lam. PS	Totari	Rhamnaceae	Tree	Leaf - Menorrhagia Bark - Toothaches,swollens	Alkaloids
14	Cissus quadrangularis Linn. PS/C	Pirantai	Vitaceae	Climber	Stem - Bone fractures	Triterpene
15	Cardiospermum cane- scens Wall. S	Kattu mudakka- than	Sapindaceae	Twinner	<b>Leaf</b> - Body pain, rheumatism	Phenols and flavonoids
16	Cardiospermum hali- cacabum Linn. PS	Mutakkorran	Sapindaceae	Twinner	Leaf - Anemia, asthma, joint pain, eye diseases, fracture, inflammation	Phenols
17	<b>Odina wodier</b> Roxb. PS	Oti	Anacardiaceae	Tree	Bark - Gout, rheumatism, heart diseases, ulcer	Tannins
18	<b>Crotalaria ovalifolia</b> Wall. PS	Tharakodi	Fabaceae	Creeper	<b>Leaf</b> - Diabetes, leprosy, scabies, fever	Alkaloids
19	<b>Tephrosia purpurea</b> Pers. PS/C	Kolinchi	Fabaceae	Herb	Root & Bark - Relieve stomach pain, upsets	Flavonoids
20	<b>Clitoria ternatea</b> Linn. PS/C	Kannikkodi	Fabaceae	Climber	Root - Thyroid disorders, antiulcer, cough	Tannins, saponins, trit- erpenoids and alkaloids
21	Crotalaria medica- ginea Lam. S	Sempoo	Fabaceae	Herb	<b>Leaf</b> - Skin problems, stomach disorders	Alkaloids
22	<b>Vigna trilobatus</b> Ait. PS	Naripayaru	Fabaceae	Climber	Leaf & seeds- Skin infection Root - Antidote, chestpain, epilepsy	Tannins
23	Indigofera enneaphyl- la Linn. PS	Ciru-nerunci	Fabaceae	Herb	Seeds - Scorpion bites, ovarian cancer	Alkaloids
24	Indigofera trita L.f. PS	Punal-murunkai	Fabaceae	Herb	<b>Leaf</b> - Rheumatism, inflammation, liver diseases	Phenols and alkaloids
25	<b>Pongamia glabra</b> Vent. PS/C	Punkai	Fabaceae	Tree	Leaf - Arthritis, wounds, skin diseases Root - sinus ulcer Flower - Diabetes	Phenols and flavonoids
26	Cassia auriculata Linn. PS/C	Avaram	Caesalpiniaceae	Shrub	<b>Leaf</b> - Skin diseases	Phenols

27	<b>Delonix elata</b> Gamb. PS	Vadanarayanan	Caesalpiniaceae	Tree	<b>Leaf</b> - Anti-inflammatory <b>Root</b> - Abdominal pains	Flavonoids
28	Cassia angustifolia Vahl. S	Alakalampokki	Caesalpiniaceae	Shrub	Leaf - Weight loss, diuretic, laxative	Saponins and glycosides
29	Cassia hirsuta Linn. S	Malaiyavarai	Caesalpiniaceae	Herb	Leaf - Skin diseases	Phenols
30	Albizzia amara Boiv. PS	Arappu	Mimosaceae	Tree	Leaf and Flowers - Boils, ulcer, erysipelas, relieve dandruff	Tannins, sa- ponins and glycosides
31	Leucaena leucocepha- la Linn. PS	Savundal maram	Mimosaceae	Tree	Root and Bark - Aborti- facient Seeds - Emollient	Flavonoids
32	<b>Albizzia lebbeck</b> Benth. PS	Vagai	Mimosaceae	Tree	Leaf - Night blindness Bark and Seeds - astringent	Flavonoids, tannins and saponins
33	Acacia nilotica Linn. PS	Karuvelai	Mimosaceae	Tree	Leaf - Diarrhoea, eye problems Bark - Strengthens teeth	Tannins and phenol
34	Acacia planifrons W. & A. PS	Kodaivelam	Mimosaceae	Tree	Fruit - Ulcer, diarrhoea	Tannins
35	<b>Psidium guajava</b> Linn. PS/C	Guava	Myrtaceae	Tree	Leaf - Wounds, ulcer, diar- rhoea, anti-inflammatory, anti-spasmodic	Triterpenoid
36	Coccinia indica W. and A. PS	Kovakkai	Cucurbitaceae	Climber	Whole plant Extract - kid- ney problems	Saponins, fla- vonoids and alkaloids
37	Trianthema portulac- astrum L. S	Sharunnai	Aizoaceae	Creeper	Leaf - Inflammation, analgesic, diuretic	Alkaloids and tetraterpenoid
38	Vernonia cinerea Less. PS	Puvamkuruntal	Compositae	Herb	Whole plant - Astringent, stomachic, febrifuge Seeds - anthelmintic	Alkaloids and triterpenoid
39	Acanthospermum his- pidum D.C. S	Kombumul	Compositae	Herb	Leaf - Fever, skin disease	Tannins, flavonoids, alkaloids and triterpenes
40	Vicoa indica Dc. S	Jimikkipoo	Compositae	Herb	Leaf decoction - Stomach upset & dysentery	Flavonoids, tannins, al- kaloids and phenols
41	Salvadora persica Linn. S	Peru-vila	Salvadoraceae	Shrub	Whole plant - Antiplaque, cytotoxic, heart disease, gum disease, rheumatism	Alkaloids
42	Azima tetracantha Lam. S/C	Changan-chedi	Salvadoraceae	Undershrub	Leaf - Antioxidant, expectorant, rheumatism Bark - Snake bite, uterine tonic	Alkaloids, terpenes and phenols
43	Vinca rosea L. S/C	Nithya Kalyani	Apocyanaceae	Herb	Leaf and Stem - Cancer, leukemia, toothache, mouth ulcer Flower - Nose bleeds	Alkaloids, vinblastine and vincristine

Wrightia tinctoria R. Br. PS	Paalai	Apocyanaceae	Tree	Seeds and Root - Anti dysentery, snakebite	Alkaloids, flavonoids, tannins and phenols
Pergularia extensa N. E. Br. PS	Veliparutthi	Asclepiadaceae	Twinner	Leaf and Root - headache, joint pain	Alkaloids, triterpenes & saponins
Calotropis procera R.Br. PS	Vellai erukku	Asclepiadaceae	Shrub	Milky latex - Applied on the wounds	Glycosides and flavonoids
<b>Ehretia pubscens</b> Benth. T	Pakkupattai	Boraginaceae	Tree	<b>Leaf</b> - Diarrhoea, tooth ache	Phenols
<b>Trichodesma indica</b> R.Br. PS	Kallutaitumapi	Boraginaceae	Herb	Leaf - Diarrhoea, dyspepsia, skin diseases Root - Anti - inflammatory	Flavonoids, alkaloids and phenols
<b>Ipomaea staphylina</b> R. and S. S	Onaankodi	Convolvulaceae	Climber	Root - Laxative, diuretic, blood purifier	Alkaloids, phenols and glycolipids
<b>Ipomaea wrightii</b> Choisy. S	Wright's morning glory	Convolvulaceae	Climber	<b>Leaf</b> - Diabetes, dysentery, rheumatism, kidney ailments	Alkaloids
<b>Ipomaea obscura</b> K.Gawl. PS	Siruthali	Convolvulaceae	Twinner	<b>Root and leaf</b> - Dysentery, aphthae	Tannins and phenols
Merremia pentaphyl- la Linn. PS	Mochukkodi	Convolvulaceae	Climber	Whole plant - Blood purifier, cancer	Alkaloids, tan- nins and car- bohydrates
<b>Merremia tridentata</b> Hall.f. PS	Savirykodi	Convolvulaceae	Creeper	Leaf - Cough, fever. Root - Toothache, anti- inflammatory	Flavonoids, terpenes and alkaloids
<b>Evolvulus alsinoides</b> Linn. PS	Vishnukranthi	Convolvulaceae	Herb	Whole plant - Fever	Flavonoid and alkaloids
Rivea hypocraterifor- mis Choisy. S	Musuttai	Convolvulaceae	Climber	Aerial parts - Antioxidant	Tannin, al- kaloids, fla- vonoids and carbohydrates
<b>Ipomaea indica</b> Merr. S	Blue morning glory	Convolvulaceae	Climber	<b>Leaf</b> - Fatigue, meningitis, anti-coagulant	Flavonoid
Datura metel Linn. PS	Umathai	Solanaceae	Herb	<b>Leaf and Seed</b> - Anti- asthmatic, hypnotic, narcotic, antispasmodic	Alkaloids
<b>Priva leptostachya</b> Juss. PS	Bellia ottai	Scrophulariaceae	Herb	Root - Antioxidant, anti- inflammatory	Phenols, ter- penoids and alkaloids
<b>Pedalium murex</b> Linn. S	Peru-nerunci	Pedaliaceae	Herb	Whole plant - Anti -in- flammatory, sedative, di- gestive	Alkaloids, tannins, fla- vonoids and phenols
<b>Sesamum alatum</b> Thonn. S	Ellu	Pedaliaceae	Herb	Leaf - Promote cattle fer- tility Fruit - oil production, diar- rhoea, intestinal disorders	Alkaloids
Andrographis echioi- des Nees. PS	Kopuramtanki	Acanthaceae	Herb	<b>Leaf</b> - Hair falling, growth, jaundice	Flavonoids
	Pergularia extensa N. E. Br. PS  Calotropis procera R.Br. PS  Ehretia pubscens Benth. T  Trichodesma indica R.Br. PS  Ipomaea staphylina R. and S. S  Ipomaea wrightii Choisy. S  Ipomaea obscura K.Gawl. PS  Merremia pentaphylla Linn. PS  Merremia tridentata Hall.f. PS  Evolvulus alsinoides Linn. PS  Rivea hypocrateriformis Choisy. S  Ipomaea indica Merr. S  Datura metel Linn. PS  Priva leptostachya Juss. PS  Pedalium murex Linn. S  Sesamum alatum Thonn. S  Andrographis echioi-	Pergularia extensa N. E. Br. PS  Calotropis procera R.Br. PS  Ehretia pubscens Benth. T  Trichodesma indica R.Br. PS  Ipomaea staphylina R. and S. S  Ipomaea wrightii Choisy. S  Ipomaea obscura K.Gawl. PS  Merremia pentaphylla Linn. PS  Evolvulus alsinoides Linn. PS  Rivea hypocrateriformis Choisy. S  Ipomaea indica Merr. S Rivea hypocrateriformis Choisy. S  Ipomaea indica Merr. S Blue morning glory  Datura metel Linn. PS  Umathai  Priva leptostachya Juss. PS  Pedalium murex Linn. S  Essamum alatum Thonn. S  Kopuramtanki  Kopuramtanki	Pergularia extensa N. E. Br. PS  Calotropis procera R.Br. PS  Calotropis procera R.Br. PS  Ehretia pubscens Benth. T  Trichodesma indica R.Br. PS  Ipomaea staphylina R. and S. S  Ipomaea wrightii Choisy. S  Ipomaea obscura K.Gawl. PS  Merremia pentaphylla Linn. PS  Merremia tridentata Hall.f. PS  Evolvulus alsinoides Linn. PS  Nusuttai  Convolvulaceae  Nusuttai  Convolvulaceae  Piva leptostachya Juss. PS  Datura metel Linn. PS  Pedalium murex Linn. S  Pedalium murex Linn. S  Evaluation Pedaliaceae  Merdia pedaliaceae  Pedalium murex Linn. S  Evaluation Pedaliaceae  Pedaliaceae  Kopuramenki Pedaliaceae  Kopuramenki Pedaliaceae  Kopuramenki Pedaliaceae  Kopuramenki Pedaliaceae  Kopuramenki Pedaliaceae  Kopuramenki Pedaliaceae	Pergularia extensa N. E. Br. PS  Veliparutthi Asclepiadaceae Twinner  Calotropis procera R.Br. PS  Ehretia pubscens Benth. T  Trichodesma indica R.Br. PS  Ipomaea staphylina R. and S. S  Ipomaea wrightii Choisy. S  Ipomaea obscura K.Gawl. PS  Merremia pentaphylla Linn. PS  Merremia tridentata Hall.f. PS  Evolulus alsinoides Linn. PS  Rivea hypocrateriformis Choisy. S  Ipomaea indica Merr. S  Rivea hypocrateriformis Choisy. S  Ipomaea indica Merr. S  Blue morning glory  Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Creeper  Evolvulus alsinoides Linn. PS  Vishnukranthi Convolvulaceae  Climber  Convolvulaceae  Climber  Convolvulaceae  Climber  Evolvulus alsinoides Linn. PS  Convolvulaceae  Climber  Sesamum alatum Thonn. S  Ellu  Pedaliaceae  Herb  Herb  Andrographis echioi-	Pergularia extensa N.   Veliparutthi   Asclepiadaceae   Twinner   Leaf and Root - headache, joint pain

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62	Vitex negundo Linn. PS/C	Nocchi	Verbenaceae	Tree	Root and seed - Skin diseases, ringworm, liver disease	Alkaloids and flavonoids
63	Premna corymbosa R. and Willd.	Pasumunnai	Verbenaceae	Shrub	Leaf - Inflammation	Alkaloids and terpenes
64	Tectona grandis Linn. S	Tekku	Verbenaceae	Tree	<b>Wood</b> - Digestion disorders	Tannins and phenols
65	Ocimum canum Sims. PS	Naithulasi	Lamiaceae	Herb	<b>Seed</b> - Rubifacient, dietary fiber, anti - microbial agent	Terpenes
66	Ocimum sanctum Linn. PS/C	Tulasi	Lamiaceae	Herb	Leaf - Cold, digestive prob- lems, fever, stress, blood sugar, heart problem, skin diseases Seed oil - Relieve cancer	Flavonoids
67	Leucas aspera Spr. S	Thumbai	Lamiaceae	Herb	Leaf – cough, cold Leaf juice - Anti-cobra venom in live stocks	Triterpenoids, alkaloids snf flavonoids
68	<b>Boerhaavia diffusa</b> Linn. S	Sarandai	Nyctaginaceae	Herb	Whole plant - Cancer, kidney, diabetes, nervous disease, paralysis	Triterpenoids, alkaloids and flavonoids
69	Aerva lanata Juss. PS	Poolapoo	Amarantaceae	Herb	Flower - Kidney problems, toothache, head ache	Flavonoids
70	Aerva tomentosa Forsk. PS	Periya-pulai	Amarantaceae	Herb	Flower - Kidney problems, toothache, head ache	Flavonoids and alkaloids
71	<b>Digera arvensis</b> Forsk. PS/C	Toyya-k-kirai	Amarantaceae	Herb	Seed - Urinary disorders	Terpenoid and alkaloids
72	Achyranthes aspera Linn. PS	Nayurii	Amarantaceae	Herb	Leaf - Asthma, malaria, cough, skin rash, snake bite, analgesic Root - Cold, relieve body pain, astringent to wounds	Alkaloids, tannins and saponins
73	Aristolochia bracteata Retz. S	Aduthinnarppalai	Aristolochiaceae	Climber	Leaf - Wound healing	Alkaloids
74	Croton bonplandia- num PS	Reilpoondu	Euphorbiaceae	Herb	Leaf -Asthma, bronchitis, scabies, headache Latex - Laxative	Diterpenoids, tannins and phenols
75	Cicca distica Linn. S/C	Sirunelli	Euphorbiaceae	Tree	Fruit and Leaf - Liver ton- ic, cancer, asthma, sudorific	Tannins and saponin
76	Fluggea leucopyrus Willd. PS	Mulluppulatti	Euphorbiaceae	Shrub	Leaf - Boils wounds	Tannins and Alkaloids
77	Euphorbia tirucalli Linn. PS	Tirukukalli	Euphorbiaceae	Shrub	Latex - Syphilis, sarcoma, skin tumours, rheumatism	Latex and al- kaloids
78	Ficus religiosa Linn. PS	Arasamaram	Moraceae	Tree	Leaf, Latex and Bark - Dysentery, diarrhoea, heal- ing warts, cooling agent, gonorrheoa	Tannins, saponins, fla- vonoids and glycosides
79	Ficus bengalensis Linn. PS	Banyan tree, Alamaram	Moraceae	Tree	Leaf and Latex - Chronic diarrhoea, relieving effect on lumbago	Terpenoids, tannin and glycosides

80	Aloe vera Linn. S/C	Katrazhai	Liliaceae	Shrub	Latex - Skin burn, anti- cancer	Gum, resin, saponins and phenol
81	Commelina bengha- lensis Linn. PS	kanan valai	Commelinaceae	Herb	<b>Leaf</b> - Wounds, boils acne, prickly heat and fever	Phenols, flavonoids, tannins and alkaloids
Abbreviation:			T-Threatened			
S-Sporadic; PS-Presently safe; C-Cultivated;						

recorded a maximum number of leaves (40%) followed by root and root bark (16%), stem and stem bark (13%), seeds (10.5%), whole plant (8%), latex (5%), fruits (4%) and flowers (3.5%). This is following the results of? The 81 different medicinal plants are used to treat skin diseases, rheumatism, diabetes, diarrhoea, dysentery, jaundice, thyroid disorder, liver and cardiac diseases, throat infection, respiratory diseases, fever, bone fractures, gastrointestinal disorders, ovarian cancer, neuromuscular pain, ulcer, wounds, brain tumors, hypertension, metabolic syndrome, plaque, leprosy, spasm, scurvy, sarcoma and kidney problems (Table 1). Similar findings were noted and recorded by<sup>8-10</sup>.

# 4. Conclusion

The study depicts that the local people prefer traditional medicine due to their socio-economical status, low traditional beliefs, concepts, knowledge and practices among them for preventing and curing diseases are accessible till now. However, they rely on traditional health care systems and the need for immediate documentation of this knowledge and preserving these valuable plants to ensure their continued existence for our future generation. Hence, the present study was carried out to examine the intensity of therapeutic plants in Molamalai. Most of the recorded plants have no or less harmful effects on the human body. Plant species have enormous medicinal potentialities and can be studied using various methods of clinical trials and pharmacological studies in the future. Therefore, documenting traditional knowledge is the only way to preserve the knowledge base for conserving plant resources endemic to this region. This information may be used for adopting the proper healthcare measures by the policymakers and may provide a lead in the development of new drugs.

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