

ETHNOBOTANICAL STUDIES ON PLANT RESOURCES OF TRICHIRAPALLI DISTRICT TAMILNADU, INDIA

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ABSTRACT

The present ethno-botanical survey conducted in forest areas of Tiruchirapalli district resulted in the information about traditional plant uses of 197 plants species belonging to 168 genera distributed in 78 families. Of these, highest number of species belongs to Fabaceae with 18 species, 13 species to Euphorbiaceae, 9 species to Acanthaceae and Asclepiadaceae each. Information gathered from Tiruchirapalli district point to that the ethinic people, and other village people of this region possess good knowledge of herbal medicine, but their continuous and progressive exposure to modernization may result in extinction of the such rich traditional of knowledge in the course of time. Diseases / ailments found prevalent in the area are Piels, Jaundice, Dysentery, Bone fracture, diabetes, skin diseases, Asthma, kidney stone, tooth ache, fever and wounds. Majority of preparation are from leaves and some are of underground parts (like root, rhizome, tuber, etc). Following data includes botanical name of species, vernacular name family, plant part used method of medicine and details about its application. Among the plant parts used in different formulations, leaves are abundantly used which is followed by roots and whole plant.

KEYWORDS: Traditional Uses, Ethinic People, Tiruchirappalli, Tamil Nadu

INTRODUCTION

Indigenous knowledge can be defined as "knowledge of the people living together in a certain area, generated by their own and their ancestors, experience, including knowledge originated from elsewhere which has to be internalized by the local people knowledge of traditional medicine is important for sustaining their development and utilization. In India, it is reported that traditional healers use 2500 plant species and 100 species of plants serve as regular sources of medicine (Pei, 2001).

During last few decades there has been an increasing in the study of medicinal plants and their traditional use in different parts of the world (Lev, 2006). Herbal remedies are considered the oldest forms of health care known to mankind on this earth earlier to the development of modern medicine, the traditional systems of medicine that have evolved over the centuries within various communities, are still maintained as a great traditional knowledge base in herbal medicines (Mukherjee and Wahil, 2006). Traditionally, this treasure of knowledge has been passed on orally from generation to generation without any written document (Perumal Samy and Ignacimuthu, 2000) and is still retained by various ethenic groups around the world. Documenting the indigenous knowledge through ethnobotanical studies is important for the conservation and utilization of plant resources.

The field survey has been found to be one of the reliable approaches to drug discovery (Fabricant and Farnsworth, 2001). Several active compounds have been discovered from plants on the basis of ethnobotanical information and used directly as patented drugs (Carney et al., 1999). As indigenous cultures are intimately maintained by the tribal and other forest dwellers all over the world, the ethnobotanical investigation is a prerequisite for any developmental planning

concerned with the welfare of tribal and their environment. It is an urgent, requirement to record as quickly as possible all information about plants and the role of tribes in conserving them. The main focus of the present study is to ascertain the detailed information on the use of plants and their remedial practices among malialis tribals and forest dwellers of Tiruchirapalli district, Tamil Nadu.

MATERIALS AND METHODS

Study Area

Tiruchirapalli Forest covering areas of various forest types consisting of valuable floral species of medicinal value. However, the species composition particularly of trees, herbs, shrubs, climbers and other ground flora have, not yet been inventorised in totality till date, except secondary data form taxonomic literatures by botanist and name of a few species in earlier working plans in the Forest Departments. The total geographical area of the district is 440383 hectare out of this 45,272.29ha is Reserve Forests and 1034.58 ha is Reserve lands. An area of 1636.66 ha of Tiruchirapalli Range has been leased out to Tamil Nadu Forest plantation Corporation Ltd.

Boundaries

The district is situated between 78°10' to 79°5'. East longitudes and 10°15' and 11°2' North latitude.

Geo Code: East longitude 78°10' to 79°5'

North latitude 10°15' to 11°2'

Tiruchirapalli District most centrally located in the state of Tamil Nadu. This figure 1 is bounded on the north by Perambalur district, Northwest by Namakkal district, East by Thanjavur district, West by Karur district, South-East by Pudukkottai district, and South by Sivagangai and Madurai district

Topography

Tiruchirapalli district is irregular in shape. Barring few hills and hillocks, the district is composed of plains, valley bottoms, undulating upland area and broken chain of Eastern Ghats viz., Pachchamalai hills, Semmalai hills RFs and Ayyalur hill RFs. Part of Pachchamalai hills in Musiri taluk. Musiri and Thuraiyur taluk present a gently undulating upland area. Lalgudi taluk is fairly plain. North and North-western parts of Tiruchirapalli present a vast stretch of flat flood plain of Cauvery alluvium with morphology associated with meandering river system. The southern and south Eastern parts present undulating plains to level plain topography. The important feature of Tiruchirapalli Forest area is that it consists of large number of widely scattered forest blocks of varying size and importance. The forests of this division may be broadly divided in the following groups:

- The Southern Pachchamalais.
- The hills of Manapparai Range.
- The scattered bits of plain forests.

The Southern Pachchamalais

The hills are situated on the north western border of Tiruchirapalli district and extend to the adjoining Salem district. The boundary between Tiruchirapalli and Namakkal districts passes across the plateau of Pachchamalais leaving only the southern portion in Tiruchirapalli division. The whole of southern slopes and parts of the eastern and western slopes of Pachchamalais fall within Tiruchirapalli district. The northern portions of Pachchamalais fall within Attur taluk

of Namakkal district. The Pachchamalais of Tiruchirapalli Forest division are separated from Kollimalais of Namakkal district by the narrow Thammampatti valley. The elevation of the Pachchamalais varies from 500mts. to 1000mts. The slopes of the hills are generally steep and sometimes precipitous.

The Hills of Manapparai Range

The hill of Manapparai consists of groups of small isolated hills sometimes forming small ranges in the western portion of the division. The hills extend westwards into the forests of Ayyalur Range of Dindigul division and towards south east into the forests of Pudukkottai district. The elevation of these hills varies from 300 mts. to 800 mts. This includes parts of Eastern ghats area viz; Ayyalur hill RFs & Semmalai hill RFs.

The Plain Forests

This comprise most of the forests of all the ex-zamin and ex-panchayat forests of Tiruchirapalli district, namely, those of erst-while Marungapuri and Thuraiyur zamins and plain forest areas in Tiruchirappalli taluk. The terrain is generally flat and undulating excepting a few isolated hills.

Padugai Forests

These forests are scattered along the banks of rivers Cauvery and Coleroon and extend from a point about 40 kilometers south of Erode to Lower Anaicut. The average elevation of these forests lands varies from 70 to 80 metres above mean sea level.



Figure 1: Location of the Study Area

METHODALOGY

The present investigation was undertaken as a view to study the number of People from Tiruchirapalli Dt, Tamilnadu. A good number of aboriginal inhabitants at the study areas. These people maintaining their own identify in terms of cultural aspects. The field work in village areas is the most important part of all ethnobotanical studies. Before starting this work the necessary information's were collected through the revenue records. Mainly two methods were adapted in collecting Ethnobotanical information from people. The first step in Ethnobotanical work is to identify plants with the help of the local inhabitants and the details of population, area of distribution of the People. The second step is that the plants near the hamlets were collected and brought to the physician's house. Every plant was shown to him one after another and recorded utility of plants. The people are highly reserved, so the adequate information gathering is highly difficult from them. Although, both methods and steps were used in the present field work.

The first step is more promising as it is not necessary to collect all the plants of an area. Local names were recorded in variably for the species collected; these will be useful in referring to the same plants again. These filed visits were carried out with the help of local informants. With the help of highly experienced old tribal people the utility of plants which are found in and around the hamlets were collected and studied. The voucher specimens were collected and their local names were noted and the uses of parts such as leaves, fruits, roots etc were recored. The specimens were pressed with the help of blotting papers and news papers and then the specimens were poisoned. The right specimens were then made into herbarium.

The plant collected were given a field number identified with the help of Flora of the TN Carnatic and by comparing authentic sheets available in the Rapinate Herbarium of the St Josephs College. The specimens are pasted in herbarium boards and stitched with the help of thin threads. The data were labeled in herbarium boards. To each specimen a short description regarding the use and the method of application is noted. Plants are poisoned with the help of saturated solution containing 5 gms of mercuric chloride dissolved in one litre of rectified spirit.

The barks, fruits and dried inflorescence were preserved using saturated solution of 30% Formaldehyde, 10 gms of copper sulphate, 1 gm of mercuric chloride and 20 gms of Allum crystals. Seeds and millets were preserved with the help of saturated solution of methylated spirit and mercuric chloride. They were then placed in polythene bags. The herbarium specimens are deposited in the herbarium of the Department of Botany, Jamal Mohamed College, and Tiruchirapalli-20 for future reference. During the field trips photographs of the tribal hut, tribal people and some of the plants and their products were taken with the help of "PENTAX A-3000 Camera" for future reference.

RESULTS AND DISCUSSIONS

The result of this study have revealed 197 plants species belonging to 168 genera distributed in 78 families of these, highest number of species belongs to Fabaceae with 18 species, 13 species to Euphorbiaceae, 9 species to Acanthaceae and Asclepiadaceae each that are used for various purposes by herbalists, traditional healers and Forest dwellers of Tiruchirappalli district (table 1). The representing plants are mostly used to cure skin diseases, jaundice, cough, wounds, urinary problems and an antidote for poison bites. The life forms are analysed and found that there are 56 herbs (29%), 40 shrubs 57(29%), 48 trees (24%) and 36 Climbers (18%), out of 151 plants (figure 2)



Figure 2: The Life Forms in the Study Area

Table 1

Sr. No	Botanical Name	Family Name	Vernacular Name	Part Used	Disease	Made of Administration
1	Abrus precatorius L.	Fabaceae	Kundumani	Root, leaf	Spermatogenesis	4-5 Leaves and small root piece taken orally for a week time
2	Abutilon indicum (L.) Sweet.	Malvaceae	Thuthi	Leaf	Piels	Crushed leaves are applied
3	Aegle marmelos Linn.	Rutaceae	Vilvam	Leaf	Head ache	Leaf juice is boiled with coconut oil and massaged on the head
4	Acacia caesia (L.) Willd.	Mimosaceae	Seengaikodi	Stem Bark	Wounds	Bark is ground with water and applied topically over the affected part
5	Acacia leucophloea (Roxb.) Willd	Mimosaceae	Velval	Stem Bark	Wounds	Paste of fresh bark is applied topically on cuttings until cure
6	Acalypha fruticosa Forsskal.	Euphorbiaceae	chenni	Leaf	Dysentery	Decoction of leaves taken orally.
7	Acalypha indica L.	Euphorbiaceae	Kupaimeni	Whole Plant	jaundice	Acalypa indica and Momordica charantia whole plants taken in 1:1 ratio & extract is given for 10 days Doses of 5 and 3 table spoons for adult and children respectively.
8	Acorus calamus L.	Araceae	Vasambu	Rhizome	Stomachache	Dried rhizome is rubbed on stone with water and one or two drops of watery paste are given orally to the children for clarity of speech. Increased dosage will affect speech.
9	Achyranthes aspera L.	Amaranthaceae	Naiyuruvi	Root	Leucorrhea	Root extract with goat milk is given once on alternate day for 10 -15 days
10	Adhatoda zeylanica Medicus	Acanthaceae	Adathodai	Leaf	Asthma	Leaf paste is taken orally
11	Aerva lanata (L.) Juss.ex Schult	Amaranthaceae	Kulapoo	Whole Plant	kidney stone	Plant extract with Cuminum cyminum fruits and sugar is given for 10 – 15 days
12	Ageratum conyzoides L.	Astaraceae		Whole Plant	Stomach disorder	extract of the entire plant is taken
13	Ailanthus excelsa Roxb.	Simroubaceae	Penari	Stem Bark	Rheumatic	Stem bark warmed and applied
14	Alangium salvifolium (L.f.) Wangerin	Alanginaceae	Alingi	Stem Bark	Wounds and cuts	Bark powder with coconut oil applied
15	Allium cepa. L.	Liliaceae	Vengayam	Bulb	High blood pressure	Eating onion bulbs regularly is useful

		-	-		-	
					To increase	Dried rhizome is mixed with water and two drops of juice
16	Alpinia calcarata Rosc.	Zingiberaceae	Arathai	Rhizome	resistance power	are given orally to children. To
<u> </u>						induce fertility Leaf decoction given 2 times a
						day for 14-30 days to cure
17	Alternanthera sessilis (L.) R. Br. ex	Amerenthesess	Poppoleoppi leograi	Loof	Eyesight	nervous disorders.The leaf
11/	DC.	Amaranthaceae	r offilakarini keerai	Lear	improvement	cowmilk and given in morning
						on emptystomach to improve
						the eyesight.
		Xanthorrhoeace			painful	'Musambram', added with
18	Aloe vera Burn.f.	ae	Shothukathalai	Leaf	menstruation	jaggary and tablets of 1gm
						prepared taken twice a day
10	Alstonia scholaris (L) P. Pr	Anormacana	Flilainali	Stom	To increase	Powdered stem is mixed with
15	Austonia scholans (L.) K.BI.	Apocynaceae	спаран	Stem	lactation	mother.
				Leafand		Leaf paste along with lemon
20	Amaranthus spinosus Linn	Amaranthaceae	Mullukeerai	Root	Stomach ulcer	juice is taken with food to cure
<u> </u>						stomach ulcer Regular taking of plant powder
21	Andrographis paniculata	Acanthaceae	Nilavembu	Whole	diabetes	taken after meal controls
	(Burm.F.)Wall ex Nees			Plant		diabetes.
22	Annona squamosa L.	Annonaceae	Seethapazham	Leaf	Injuries and	Crushed leaf is applied
<u>├</u> ──			_		Injuries and	Paste of stem is mixed with
23	Anisomeles malabarica (L.)	Lamiaceae	Paimerati	Stem	wounds.	coconut oil and applied
24	Argemone mexicana Linn	Papaveraceae	Bremmathandu	Latex	Boils	Latex of the plant is applied
		Aristalashisasa			antidata anaimat	topically on the site of boils
25	Aristolochia indica Linn.	e	Esvaramuli	Leaf	poison.	coconut milk and taken orally
		Aristalashisasa			an antilia	The root powder is combined
26	Aristolochia bracteolata Lam.	e	Aadutheendapalai	Root	gonomea, boils	with honey and is given
<u> </u>					<u> </u>	internally given
27	Asystasia gangetica (L.) T.	Acanthaceae	Valukai keerai	Leaf	To stimulate	cumin seeds and onion bulbs
	Anderson.				appetite	and taken orally with food
20	Addantia managhath Can	Destaura	Vetter stanitatesi	T	Rheumatoid pain	The leaves are boiled with
20	Atalanua monophylla Cor	Rutaceae	Kattu elemitchai	Lear	swelling	water externally
						For a dose 6 spoonful of juice
			TH	Whole		of using portion of Aspargas
29	Asparagus racemosus willd	Asparagaceae	I nannirvitan Kilangu	Plant	Breast lucer	to take The dose was
						continued for week
30	Azadirachta indica A Juss	Meliaceae	Vembu	Leaf&Roo	leprosy and	The leaves and root extract
<u> </u>				t	leucoderma.	applied directly
31	Azima tetragantha Lamk	Salvadoraceae	Sangilai	Leaf	Cold and cough	leaves and is taken orally to
					y	treat cold and cough
		Balanophoracea		Whole	<i></i>	Paste of the whole plant is
32	Balanophora fungosa Fors and Fors.	e	Vaer chedi	Plant	Skin diseases	applied over the infected part
						Flower is used for making
33	Bombax ceiba L.	Bombacaceae	Mul Ilavam	Flower	Mouth ulcers.	curry and given in mouth
<u> </u>						ulcers. The inice of the leaf is used to
34	Barleria prionitis	Acanthaceae	Kattukanahambaram	Leaf	cataract and fever	treatment
						Leaves are fumigated and s
35	Bauhinia retusa Ham	Fabaceae	Aathi	Leaves	Fever	inhaled to get relief from fever.
				and fibres		The stem fibres are used in coir production
						Paste of the Stem bark is
36	Bauhinia variegata L.	Fabaceae	Mali athi	Stem bark	Skin diseases	applied over the infected part
<u> </u>						of the skin.
						powdered black gram crushed
27	Planharis madaraspotonsis (L) Pott	Acapthesess	Nathiramacanda	Leaf	Nervous disorders	onion and white yolk of one
31	Biephans maderaspatensis (L.) Koth.	Acanthaceae	Neumampoondu	Lear	ivervous disorders	egg and the mixture is applied
						topically over the fractured
<u> </u>						Stem bark is mixed with
38	Bischofia javanica Blume.	Bischofiaceae	Romaviruksha pattai	Stem	10 stimulate Hair growth	coconut oil and applied over
<u> </u>					1	head.
39	Borreria verticillata (L.)	Rubiaceae	Nathaisuri	Root	gonorrheas	decoction
40	Paarhaania diffuar Linn	Nexto give	Multiratai	Post	dyspepsia,	The tea forms of the root
1 ⁴⁰	Boemaavia ulitusa Lilifi.	ryctagniaceae	iviukii atai	1000	jaundice.	decoction

22

42 Cadaba futicosa (L.) Druce Capparidaceae Virhuthi Leaf general body pain The leaf juice is inter 43 Carthium dicoccum (Gaertm.) Rubiaceae Natuvai Stem Bak Bone fracture Grutheae another on joint pain Control is taken 44 Cardicoppermum halicacabum Sapindacozae Muddachhan Leaf To induce fentily Past of feaves is tak 45 Camona retusa (Vabl) Masan. Boraginaceae Kurangu vethalia Leaf To induce fentily Internet for three to months. 46 Carica papaya L. Caricaceae Papaya Leaf madaria Jaice of feaves is tak 47 Carisa carandas Linn. Apocymaceae Kila Leaf The leaf another on joint pain Correst is mody 49 Cassia abcus L. Fabaceae Cheemaiagathi Leaf The seed powder is paines Seed Eye disorder. The seed powder is paines The seed powder is paines Seed Seed another on seed powder is paines Seed powder is paines The seed powder is paines Seed powder is paines Seed powd	41	Butea monosperma (Lamk.)	Fabaceae	Purasu	Flower	Skin diseases	An extract of the flowers is applied over the infected part of the skin.
43 Carthium diooccum (Gaertn.) Bubiacese Naturai Stem Back Bone fracture Curadospermum halicacabum Sapindacese Mudakathan Leaf Dieint pain Correct ensers with coconnu oli is taken on joint pain 43 Cardospermum halicacabum Boraginacese Kurangu vethalia Leaf To induce fertility Pasts of leaves is tak incending the paint on the paint on joint pain coconnu oli is taken on joint pain 45 Carica papaya L Caricaceae Papaya Leaf malaria Paice of leaves is tak incending the paint on the pa	42	Cadaba fruticosa (L.) Druce	Capparidaceae	Vizhuthi	Leaf	general body pain	The leaf juice is internally used
44 Cardiospermum halicacabum Sapindaceae Mudakathan Leaf joint pain coconut oil is taken coconut oil is taken coconut oil is taken coconut oil is taken contant. 45 Carmona retusa (Vahl) Masam. Boraginaceae Kurangu vetthalai Leaf To induce fertility intromally for three to intermally for three to intermall intermally for three	43	Canthium dicoccum (Gaertn.)	Rubiaceae	Naluvai	Stem Bark	Bone fracture	Crushed,made into paste and applied as poultice
45 Carmona retusa (Vahl) Masam. Boraginaceae Kurangu verthalai Leaf To induce fernitivo Internally for three to months. 46 Canica papaya L Canicaceae Papaya Leaf nalnini Juice of leaves is tuk 47 Carnisa carandas Linn. Apocynaceae Kila Leaf nalnini Leaf antidote against 48 Cassia alata Fabaceae Cheemaiagathi Leaf Internally for diverse is tuk 49 Cassia abcus L Fabaceae Seed Evef disorder. The leaf and flow ere or raches 50 Cassia fistula L Fabaceae sarakondrai Stem Bark, & Leaf Mature of stem bark and and flow ere or raches 51 Cassia occidentalis L. Fabaceae Ponnavarai Leaf Mature of stem bark and flow ere or raches 52 Calotropis gigantea (L.) Ait Asclepindaceae Enakku Flow ere disocation mad dired leaves or tuk 53 Cassia auriculata L. Fabaceae Avarai Gun & Leaf Gun & Scassia auriculata L. Fabaceae Punnai Seeds Wound and The leaf and min facter over sight on the scass as pould for three to mainght 54 Calotropis gigantea (L.) Ait Asclepindaceae Fauku Flow ere disocation The old of the seed a scassis	44	Cardiospermum halicacabum	Sapindaceae	Mudakathan	Leaf	joint pain	Paste of leaves with onion and coconut oil is taken orally for joint pain
46 Carica papaya L Caraccece Papaya Leaf mataria Duice of harves is taik 47 Carrisa carandas Lim. Apocynacese Kila Leaf anticide against Leaf anticide against Leaf anticide against Leaf anticide against Leaf anticide against Leaf anticide against Leaf and flower 48 Cassia abcus L. Fabaceae Seed Seed Eye disorder. The seed powder is personable 50 Cassia fistula L Fabaceae sarakondrai Stem Bark & Leaf Bone fracture Miture of stem bark and leaf sap as poulb and appi affected part 51 Cassia occidentalis L. Fabaceae Fabaceae Fourer swamed and field feaves 52 Calotropis gigantea (L.) Ait. Asclepiadaceae Eruku Flower are given one teapon. Fourer swamed and field feaves apply directly and appi affected part 53 Cassia sepiaria Linn Gapanidaceae Narai Gum & directly are apply directly 54 Catophyflum inophyflum Linn. Guttferae Punnai Seed swelling Juice of lear singer and apply directly 55 Cassia sobuistfici.L.) Casealpiniaceae Thagarri Leaf Ina	45	Carmona retusa (Vahl) Masam.	Boraginaceae	Kurangu vetthilai	Leaf	To induce fertility	Juice of leaves is taken internally for three to four months.
47 Carrisa carandas Lim. Apocynaceae Kila Leaf antido te against coconut mik and tak 48 Cassia alata Fabaceae Cheemaiagathi Leaf skimrashes astemedy for rashes 49 Cassia abcus L. Fabaceae Seed Eye disorder. The seed powder is reye 50 Cassia fistula L Fabaceae sarakondrai Stem Bark Bone fracture Monture of stem bark 51 Cassia occidentalis L. Fabaceae Poinavarai Leaf Bone fracture Inonogenized and miy ingigily of and app affected part 52 Calotropis gigantea (L.) Ait. Asclepiadaceae Enaku Flower arthitis Flowers ware flowers are given on fracture, incongenized and miy ingigily of and app affected part 53 Cassia auriculata L. Fabaceae Avarai Gum & Leaf diabetes Gourn and direl leaves of flowers are given on fracture, incol of the seeds are given on fracture, incol of the seeds are given on fracture, incol of the seeds are given on flower are given on flower are appled incol/or scape are appled	46	Carica papaya L	Caricaceae	Papaya	Leaf	malaria	Juice of leaves is taken orally
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49 Cassia abcus L. Fabaceae Seed Eye disorder. The seed powder is give 50 Cassia fistula L Fabaceae sarakondrai Stem Bark & Bone fracture Mixture of stem back and leaf sap as poult is give Mixture of stem back and leaf sap as poult is given one tracture, nerve dislocation Fresh haves were homogenized and nin gingely oil and appli affected part 51 Cassia occidentalis L. Fabaceae Ponnavarai Leaf Bone fracture, nerve dislocation Fresh haves were homogenized and nin gingely oil and appli affected part 52 Calotropis gigantea (L.) Ait. Asclepiadaceae Enaku Flower arthnitis Flowers wamed and freet aversight 53 Cassia auriculata L. Fabaceae Avarai Gun & disletes Gun mad dried faves of the seeds a sappoint Calophyllum inophyllum Linn. Guttiferae Punnai Seeds wounds and seabers Leares are pasted wi juic and are applied to tract swellings 56 Cassia obtusifolia(L.) Cassia obtusifolia(L.) Caesalpiniaceae Thagarai Leaf Itch Leaf suce applied to tract swellings 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Itch Leaf suce of leaves is mathomo amounof goot's malk	48	Cassia alata	Fabaceae	Cheemaiagathi	Leaf Flower	skinrashes	The leaf and flower extracts are used as a remedy for skin rashes
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51 Cassia occidentalis L. Fabaceae Ponnavarai Leaf Bone fracture, nerve dislocation Inserve dislocation 52 Calotropis gigantea (L.) Ait. Asclepiadaceae Erukku Flower arthritis Plower warmed and freet overnight 53 Cassia auriculata L. Fabaceae Avarai Gum & Leaf diabetes Gum and direl leaver 54 Calophyllum inophyllum Linn. Guttiferae Punnai Seeds wounds and scabies apply directly 55 Capparis sepiaria Linn Caesalprinaceae Thagarai Leaf Itch Leaf place appled to reat swellings 56 Cassia obtusifola(L.) Caesalprinaceae Thagarai Leaf Itch Leaf place appled Juice of leaves are appled to reat swellings 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Juice of leaves is and the cup of water orn 59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is mix the cup of water orn 60 Cipadessa baccifera (Roth.) Miq. Menispermacea Malain Thanke Root Stomach a	50	Cassia fístula L	Fabaceae	sarakondrai	Stem Bark & Leaf	Bone fracture	Mixture of stem bark scrapping and leaf sap as poultice
52 Calotropis gigantea (L.) Ait. Asclepiadaceae Erukku Flower arthritis Flowers warmed and feet overnight 53 Cassia auriculata L. Fabaceae Avarai Gum & Leaf Gum & Gum & Leaf Gum and dried leaves 54 Calophyllum inophyllum Linn. Guttiferae Punnai Seeds wounds and scabies apply directly 55 Capparis sepiaria Linn Capparidaceae Sengathari Leaf Neaf Leaves are pasted wi juice and are appled to treat swellings 56 Cassia obtusifolia(L.) Caesalprinaceae Thagarai Leaf Itch Leaf juice appled. 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Juice of leaf is mixed and taken orally for sever 59 Ceroegia candelabrum L. Asclepiadaceae Peukodi Leaf head ache Paste of leaves is apriforeshed. 61 Cissampelos pareira L. Menispermacea e Pulippan chedi Leaf Diarrhoea Haste of leaves is mix taken orally. 62 Cissus quadrangularis L. Vitaceae Pulippan chedi Leaf Neot decoction given e oming with.23 tea sphoney for stomach ul Root decoction	51	Cassia occidentalis L.	Fabaceae	Ponnavarai	Leaf	Bone fracture, nerve dislocation	Fresh leaves were homogenized and mixed with gingelly oil and applied on the affected part
53 Cassia auriculata L. Fabaceae Avarai Gum & Leaf Gum & Leaf Gum ad field leaves flowers are given one teaspoon. 54 Calophyllum inophyllum Linn. Guttiferae Punnai Seeds wounds and scabies The oil of the seeds a apply directly 55 Capparis sepiaria Linn Capparidaceae Sengathari Leaf Swellings Juice and are applied to treat swellings 56 Cassia obtusifolia(L.) Caesalpiniaceae Thagarai Leaf Itch Leaf yuice applied. 57 Catharanthus roseus (L.) G.Don Apocynaceae Sudukattu arali Leaf anti-diabetic Eating 4 to 6 leaves di amount of goat's mike 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Jaundice Jaunot of goat's mike 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarthoea Paste of leaves is app forehead. Paste of leaves is app forehead. Foot powder given e orning with	52	Calotropis gigantea (L.) Ait.	Asclepiadaceae	Erukku	Flower	arthritis	Flowers warmed and tied on feet overnight
54 Calophyllum inophyllum Linn. Guttiferae Punnai Seeds wounds and scabies The oil of the seeds a apply directly 55 Capparis sepiaria Linn Capparidaceae Sengathari Leaf Swellings Leaves are pasted wijuice and are applied to treat swellings 56 Cassia obtusifolia(L.) Caesalpiniaceae Thagarai Leaf Itch Leafiguice applied. 57 Catharanthus roseus (L.) G.Don Apocynaceae Sudukattu arali Leaf anti-diabetic Eating 4 to 6 leaves d 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Juice of leaf is miked' amount of goat's milk taken orally for sever 59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is apr forehead. 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarhoea Root powder given e omingwith.2-3 tea sphoney for stomach ut cup of water or m taken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root powder given e omingwith.2-3 tea sphoney for stomach ut Root decoction giver e mormingwith.2-3 tea sphoney for stomach ut Root decoction giver e mo	53	Cassia auriculata L.	Fabaceae	Avarai	Gum & Leaf	diabetes	Gum and dried leaves and flowers are given one teaspoon.
55 Capparis sepiaria Linn Capparidaceae Sengathari Leaf Swellings Leaves are pasted wijuice and are applied to treat swellings 56 Cassia obtusifolia(L.) Caesalpiniaceae Thagarai Leaf Itch Leaf guice applied. 57 Catharanthus roseus (L.) G.Don Apocynaceae Sudukattu arali Leaf Inti-diabetic Eating 4 to 6 leaves of amount of goat's milk taken orally for sever 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf head ache Paste of leaves is applied. 59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is applied. 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarrhoea Root powder given or mtaken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root powder given or morning for 15 days is stomach ache (So 11) prescribed) 62 Cissus quadrangularis L. Vitaceae Pirandai Stem Piels lgm of powdered ster with sugar or ghe ta to 3 weeks. 63 Clitoria ternatea L. Fabaceae Sangu puspam	54	Calophyllum inophyllum Linn.	Guttiferae	Punnai	Seeds	wounds and scabies	The oil of the seeds and roots apply directly
56Cassia obtusifolia(L.)CaesalpiniaceaeThagaraiLeafItchLeaf juice applied.57Catharanthus roseus (L.) G.DonApocynaceaeSudukattu araliLeafanti-diabeticEating 4 to 6 leaves of58Centella asiatica (L.) Urban.UmbelliferaeVallaraiLeafJaundiceJuice of leaf is mixed amount of goat's milk59Ceropegia candelabrum L.AsclepiadaceaePerukodiLeafhead achePaste of leaves is applied.60Cipadessa baccifera (Roth.) Miq.MeliaceaePulippan chediLeafDiarrhoeaPaste of leaves is mix61Cissampelos pareira L.Menispermacea eMalain ThankeRootStomach acheRoot powder given e morning with2-3 tea spt honey for stomach ul Root decotion giver morning for 15 days i stomach ache (50-11) prescribed)62Cissus quadrangularis L.VitaceaePirandaiStemPielsIgn of powdered stee with sugar or ghe ta to 3 weeks.63Clitoria ternatea L.FabaceaeSangu puspamRoothead acheRoot pice put in the i control head ache.64Clausena dentata (Willd.) Roem.RutaceaeAnanLeafmental tension and mentalFash juice of the leave	55	Capparis sepiaria Linn	Capparidaceae	Sengathari	Leaf	Swellings	Leaves are pasted with lemon juice and are applied topically to treat swellings
57 Catharanthus roseus (L.) G.Don Apocynaceae Sudukattu arali Leaf anti-diabetic Eating 4 to 6 leaves d 58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Juice of leaf is mixed amount of goat's milk taken orally for sever 59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is app forehead. 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarrhoea Paste of leaves is mix the cup of water or m taken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root decoction giver moming for 15 days is stomach ache (50-11) prescribed) 62 Cissus quadrangularis L. Vitaceae Pirandai Stem Piels Igm of powdered stew with sugar or gheet at to 3 weeks. 63 Clitoria termatea L. Fabaceae Sangu puspam Root head ache Root juice put in the scontrol head ache. 64 Clausena dentata (Willd.) Roem. Rutaceae Aanan Leaf mental tension 65 Clerodendrum phlomidis Linn. Verbenaceae Thaluthalai Leaf	56	Cassia obtusifolia(.L.)	Caesalpiniaceae	Thagarai	Leaf	Itch	Leaf juice applied.
58 Centella asiatica (L.) Urban. Umbelliferae Vallarai Leaf Jaundice Juice of leaf is mixed amount of goat's milk taken orally for sever 59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is apr forehead. 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarrhoea Paste of leaves is mix the cup of water or m taken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root powder given et orningwith2-3 tea spot honey for stomach uf Root decoction giver 62 Cissus quadrangularis L. Vitaceae Pirandai Stem Piels Igm of powderd stet with sugar or ghee ta to 3 weeks. 63 Clitoria ternatea L. Fabaceae Sangu puspam Root head ache Root juice put in the control head ache. 64 Clausena dentata (Willd.) Roem. Rutaceae Thaluthalai Leaf mental tension and mental Paste of leaves is app forehead.	57	Catharanthus roseus (L.) G.Don	Apocynaceae	Sudukattu arali	Leaf	anti-diabetic	Eating 4 to 6 leaves daily.
59 Ceropegia candelabrum L. Asclepiadaceae Perukodi Leaf head ache Paste of leaves is app forehead. 60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarrhoea Paste of leaves is mix the cup of water or m taken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root powder given e omingwith2.3 tea spo honey for stomach ul growth oney for stomach ul stomach ache (50-11) 62 Cissus quadrangularis L. Vitaceae Pirandai Stem Piels Igm of powdered ster with sugar or ghee ta to 3 weeks. 63 Clitoria ternatea L. Fabaceae Sangu puspam Root head ache Root juice put in the control head ache. 64 Clausena dentata (Willd.) Roem. Rutaceae Aanan Leaf mental tension and mental fresh juice of the leaver	58	Centella asiatica (L.) Urban.	Umbelliferae	Vallarai	Leaf	Jaundice	Juice of leaf is mixed with equal amount of goat's milk and taken orally for seven days
60 Cipadessa baccifera (Roth.) Miq. Meliaceae Pulippan chedi Leaf Diarrhoea Paste of leaves is mix the cup of water or m taken orally. 61 Cissampelos pareira L. Menispermacea e Malain Thanke Root Stomach ache Root powder given e orningwith2-3 tea spohoney for stomach ul Root decoction giver morning for 15 days is stomach ache (50-11) prescribed) 62 Cissus quadrangularis L. Vitaceae Pirandai Stem Piels Igm of powdered stea to 3 weeks. 63 Clitoria ternatea L. Fabaceae Sangu puspam Root head ache Root price ontrol head ache. 64 Clausena dentata (Willd.) Roem. Rutaceae Aanan Leaf mental tension and mental Paste of leaves is apprint the affected parts	59	Ceropegia candelabrum L.	Asclepiadaceae	Perukodi	Leaf	head ache	Paste of leaves is applied on forehead.
61Cissampelos pareira L.Menispermacea eMalain ThankeRootStomach acheRoot decoction giver morning for 15 days i stomach ache (50-11/ prescribed)62Cissus quadrangularis L.VitaceaePirandaiStemPielsIgm of powdered ster with sugar or ghee ta to 3 weeks.63Clitoria tematea L.FabaceaeSangu puspamRoothead acheRoot juice put in the product on the adache.64Clausena dentata (Willd.) Roem.RutaceaeAananLeafwoundsPaste of leaves is appr the affected parts65Clerodendrum phlomidis Linn.VerbenaceaeThaluthalaiLeafmental tension and mentalfresh juice of the leave	60	Cipadessa baccifera (Roth.) Miq.	Meliaceae	Pulippan chedi	Leaf	Diamhoea	Paste of leaves is mixed with the cup of water or milk and taken orally.
62Cissus quadrangularis L.VitaceaePirandaiStemPielsIgm of powdered ster with sugar or ghee ta to 3 weeks.63Clitoria tematea L.FabaceaeSangu puspamRoothead acheRoot juice put in the control head ache.64Clausena dentata (Willd.) Roem.RutaceaeAananLeafwoundsPaste of leaves is app the affected parts65Clerodendrum phlomidis Linn.VerbenaceaeThaluthalaiLeafmental tension and mentalfresh juice of the leave	61	Cissampelos pareira L.	Menispermacea e	Malain Thanke	Root	Stomach ache	Root powder given early in the omingwith2-3 tea spoonful honey for stomach ulcers. Root decoction given in early moming for 15 days in severe stomach ache (50-110 ml prescribed)
63 Clitoria tematea L. Fabaceae Sangu puspam Root head ache Root juice put in the scontrol head ache. 64 Clausena dentata (Willd.) Roem. Rutaceae Aanan Leaf wounds Paste of leaves is app the affected parts 65 Clerodendrum phlomidis Linn. Verbenaceae Thaluthalai Leaf mental tension and mental fresh juice of the leave	62	Cissus quadrangularis L.	Vitaceae	Pirandai	Stem	Piels	1gm of powdered stem mixed with sugar or ghee taken for 2 to 3 weeks.
64 Clausena dentata (Willd.) Roem. Rutaceae Aanan Leaf wounds Paste of leaves is apprended to appreced to apprecedent to appreced to apprecedent to apprec	63	Clitoria ternatea L.	Fabaceae	Sangu puspam	Root	head ache	Root juice put in the nose control head ache.
65 Clerodendrum phlomidis Linn. Verbenaceae Thaluthalai Leaf and mental fresh juice of the leav	64	Clausena dentata (Willd.) Roem.	Rutaceae	Aanan	Leaf	wounds	Paste of leaves is applied over the affected parts
disturbance	65	Clerodendrum phlomidis Linn.	Verbenaceae	Thaluthalai	Leaf	mental tension and mental disturbance	fresh juice of the leaves

66	Cleome gynandra Linn	Capparidaceae	Thaivelai	Leaf	headache, epileptic fits and ear ache	Sap from leaves
67	Cocculus hirsutus (L.) Theob.	Menispermacea e	Kattukođi	Leaf	headache,ringwor m,wounds and cuts	Leaf juice is applied externally on forehead and affected area
68	Croton bonplandianumMorang.	Euphorbiaceae	Railpoondu	Latex	Wasp sting	Plant latex is applied externally on the site of wasp sting
69	Curcuma domestica	Zingiberaceae	Manjal	Rhysome	Breast ulcer	For a dose about 2 inches of using portion of Curcuma domestica and 3 leaves of Solanum stramonium were crushed together and applied
70	Curculigo orchioides Gaetrn	Hypoxidaceae	Nilappanai	leaf	increase sperm	The leaf paste taken internally to increase sperm count
71	Cyperus rotundus Linn	Cyperaceae	Koraipul	Tubers	leucorrhoea.	Dried tubers are made into paste, mixed with honey and taken orally
72	Cynodon dactylon Pers.	Poaceae	Arugampul	Whole plant	kidney stone	Whole plant extract 10 -20 ml taken orally for 8 -10 days .
73	Datura metel L.	Solanaceae	Karumathai	Leaf,Root, Fruits	joint pain,pimples	Leaf dipped 'Ricinus communis' oil warmed and is applied externally. Root paste applied externally to cure pimples
74	Decalepis hamiltonii Wight. & Arn.	Asclepiadaceae	Mahaali kizhanku,	Root	health tonic	Root extract is taken orally
75	Deonix elata (Linn.) Gamble	Caesalpiniaceae	Vathanarayanan	Leaf	rheumatic	Leaves warmed with pepper, grind to prepare pills taken inside
76	Dendrophthoe falcata (L.f.) Etting.	Loranthaceae	Kadalathi	Twig	reduce sterility	Tender twigs with Ficus racemosa bark power crushed with mixed with goat milk is taken 20 -30 ml.
77	Derris scandens (Roxb.) Benth	Fabaceae		Stem	rheumatic pains	Tender stems and twigs crushed, warmed and applied
78	Dichrostachys cinerea,(l.)	Mimosaceae	Vitattalai	Leaf, Flower	cures ulcer, indigestion,	Air-dried leaf and flower of the plant made as choornam mixed with honey and taken before food
79	Diospyros melanoxylon Roxb.	Ebenaceae	Peedi Elai	Leaf	bone fractures.	Along with white layer of egg, calcium and turmeric ground and the mixture applied on facture and bandaged with cloth
80	Dioscorea oppositifolia L.	Dioscoreaceae	Valli kilangu	Rhizome	Stomachache	Paste of rhizome is taken internally.
81	Diplocyclos palmatus (L.) C. Jeffrey.	Cucurbitaceae	Lingam kai	seed	promote fertility	Half teaspoon of seeds taken once a day for 10 -15 days.
82	Dođonea viscosa (L.) Jacq.	Sapindaceae	Virali	Leaf	bone fracture	Leaves mixed with 'turmeric' and oil crushed together and applied.
83	Eclipta prostrata (L.) L.	Astaraceae	Kanjankorai	Leaf	jaundice	Leaf curry is useful to purify the blood and reduce the white hairs leaves are also used.
84	Elettaria cardamomum (L.)	Zingiberaceae	Yelakkai	Fruits	Stomachache	Dried fruits are taken internally with food.
85	Elytraria acaulis Linn	Acanthaceae	Nilakadambu	The whole plant	deworming	Paste of the whole plant is applied over the infected part of the skin.
86	Emblica officinalis Gaertn.	Euphorbiaceae	Nelli	Fruits	anti allergic	Fruits and jaggary taken in same proportion crushed and mixed taken as anti allergic.
87	Enicostemma littorale Blume	Gentianaceae	Vellerugu	Leaf	rheumatism, abdominal ulcers,	The decoctions attained from the leaves
88	Eucalyptus sp	Myrtaceae	Thailamaram	Leaf	Cough	Decoction, inhalation of vapors
89	Euphorbia antiquorum L.	Euphorbiaceae	Sathurakalli	Stem	Nervous disorders	Stem latex is applied topically on skin to get relief from body pain.
90	Euphorbia heterophylla	Euphorbiaceae	Gamalkota	Leaf	constipation	Eating leaf curry

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91	Euphorbia hirta L.	Euphorbiaceae	Amman pacharisi	Leaf	wounds and mouth ulcers	Crushed leaf are applied.
92	Euphorbia tirucalli L.	Euphorbiaceae	Thirukalli	Latex	kintarot	Rubbing with latex and dressing
93	Evolvulus alsinoides L.	Convolvulaceae	Visnukiranthi	Whole Plant	Cough, cold,	Whole plant decoction administered 2-3 times a day to
94	Erythrina variegata L.	Papilionaceae	Kalyanamurungai	Leaf and Stem	Cure piles during pregnancy	Leaf and stem bark made into a and mixed well (1:1) 2 to 3 spoon powder mixed with boiled cow milk and given to cue piles during pregnancy. Leaf juice given to cure whooping courb of children
95	Ficus benghalensis L.	Moraceae	Alamarum	Latex	Stomach pain	Latex mixed with turmeric
96	Ficus racemosa L.	Moraceae		Latex	Piles and diamhea.	Latex is directly applied
97	Ficus hispida L. F	Moraceae	Peiatti	Stem bark	monorrhagia	2-3 gm of stem bark powder taken twice a day for 5-7 days
98	Ficus retusa Linn.	Moraceae	Athimaram	Leaf and fruit	Diabetes, bone fracture cold, swellings	Paste of Leaf along with their fruit combined with cumin is taken orally to cure swellings, Lung blockage. It is best for treat diabetes and applied topically over the fractured bones.
99	Ficus religiosa Roxb.	Moraceae	Arasamaram	Bark	gonorrhea and	Bark decoction
100	Gloriosa superba L.	Colchiaceae	Kalapai Kilangu	Stem	wounds	Stem past applied
101	Glycosmis pentaphylla correa	Rutaceae	Molehulukki	root	Asthma.	The root is pasted with cumin
102	Gmelina arborea Roxb	Verbenaceae	Kumilamaram	Root	Piels	uice of root bark is taken
103	Grewia tiliaefolia Vahl	Tiliaceae	Thadasu maram	Stem bark	Mental illness.	Internally. The decoction of bark is apply all over the head before taking bath to treat mental illness
104	Gossypium herbaceum L.	Malvaceae	Paruthi	Leaf	wounds caused by rat bite	leaves crushed with rice washed water (locally known as 'Kalneer')
105	Gymnema sylvestre (Retz.) R.Br. ex Schultes.	Asclepiadaceae	Sirukurunjan	Leaf	Diabetes	Powdered leaves are mixed with cow's milk and boiled rice, kept over night and taken internally twice a day.
106	Hemidesmus indicus (L.) Schult.	Asclepiadaceae	Nannari	Root	tonic, cooling and blood purifier	Root boiled in water or milk.
107	Helicteres isora Linn. (P123)	Sterculaceae	Vallampurikai	Root	cuts and wounds.	The decoction of the root is mixed with turmeric powder and is applied externally
108	Heteropogon contortus L.	Poaceae		Whole plant	Scorpion bite.	An oil extract of this plant is used
109	Holoptelea integrifolia (Roxb.) Planch	Ulmaceae	Aavi	Root bark	rheumatism.	Root bark warmed and applied
110	Hibiscus rosa-sinensis Linn	Malvaceae	Semparuthi	Flower	alopecia.	The soaked petal along with coconut oil is externally apply
111	Hybanthes enneaspermus (L).	Violaceae	Orithalthamarai	Root	Urinary problems	The decoction of the root
112	Indigofera aspalathoides Vahl	Fabaceae	Shivanar vembu	root	psoriasis	The roots soak with coconut
113	Ipomoea obscura (L.)	Convolvulaceae	Cirutali	Whole plant	cure cold, asthma and dry cough.	oil externally apply The fresh plant extract is mixed with gingely oil and is used
114	Ixora coccinea Linn	Rubiaceae	Iđlipoo	Flower	dysentery,	The decoction yielded from the flowers taken early in the
115	Jasminum angustifolium Vahl.	Oleaceae	Kattu mallige	Leaf	Diahhroea	The leaf is boiled in water and taken with food to cure diahhroea
116	Jatropha curcas L.	Euphorbiaceae		Leaf	Ear ache	2-3 days of latex was installed in the ear
117	Jatropha gossypiifolia.	Euphorbiaceae	Adali	Fruits	teeth problem	fruit powder is applied
118	Justicia simplex D.Don	Acanthaceae	Odivuatiki	Leaf	bone fracture	The leaf extract is externally applied
119	Lannea coromandelica (Houtt.) Merr.	Anacardiaceae	Udian	Bark	bone fracture	Bark is used as a bandage
120	Lantana camera Linn	Verbenaceae	Unichedi	Leaf	Wound healing	Leaf paste is applied topically to treat wounds
121	Lantana whitiana Wall.	Verbenaceae	Vellai Unichedi	Leaf	Skin disease	The leaf is ground with Cipadessa baccifera root, leaf and bark & applied topically to treat Psoriasis
122	Lawsonia inemis L.	Lythraceae	Maruthani	Leaf	tuberculosis	Hand full of tender leafs added with 7 seeds of Piper nigram crushed and taken early in the morning daily for 2 -3 weeks)
123	Leucas aspera (L.) R.Br. ex Vatke	Lamiaceae	Thumabai	Leaf	jaundice	50gm of leaves are crushed well water is given orally once a day for 5-8 days.
124	Mangifera indica L.	Anacardiaceae	Mamarum	Stem bark	cooling	Bark juice 10 -20 ml given orally.
125	Martynia annua L.	Martyniaceae	Thelkodukku	Leaf	sore throat	Leaf decoction gargled twice a day.

126					-	The leaves extracts and
126	Melia azedarach L.	Mehaceae	Malivembu	Leat	Fever	applied The leaves extracts and
127	Mimosa pudica L.	Mimosaceae	Thotasurungi	Leaf	migraine,	applied
128	Momordica charantia L.	Cucurbitaceae	Paharkai	Leaf	Piels	Leaf or fruit is added with 20 gm sugar and given twice in a day regularly till cure.
129	Moringa oleifera Lam.	Moringaceae	Murungai	Leaf	spermatogenesis	Curry of leaves and fruits
130	Mucuna pruriens L. DC.	Fabaceae	Poonaicali	seed	Male sterility and nervous diseases	The dried seed is boiled with cow milk and then the seed is dried in sunshade, after which the seed is powdered and combined with cow milk
131	Mollugo cerviana (L). Seringe	Molluginaceae		Whole Plant	ladies after child birth to clear the uterus	Plant is cooked as vegetable
132	Mahonia leschenaultii (Wight & Am.)	Berberidaceae	Mullu kadambu	Stem	Body pain	Powdered stem bark is boiled with gingelly oil and applied over the body before bath.
133	Mitragyna parviflora (Roxb.) Korth.	Rubiaceae	Neerkadambu	Seed	Head ache	Seed paste is applied on forehead
134	Mukia maderaspatana (L.) M. Roemer	Cucurbitaceae	Musumusukai	Leaf, Fruit	pitham and body stimulation	Leaf extract used against pitha disease Fruit decoction given to children to improve memory (about 10-15 ml only). Leaf juice mixed with food given for body stimulation
135	Murraya koenigii (L.) Spr.	Rutaceae	Karuvepilai	Leaf	diarrhea	Leaf decoction 10- 15 ml thrice.
136	Murraya paniculata (L) Jack.	Rutaceae	Kattu Karuvepilai	Leaf	Wounds	The leaf paste is applied over the wounds to heal
137	Ocimum basilicum L.	Lamiaceae	Thiruneetrupachilai	Leaf	ear ache	3-5 drops of leaf juice is put in ear.
138	Ocimum tenuiflorum L.	Lamiaceae	Tulasi	Leaf	cough, fever and skin disease	Leaf juice taken as a blood purifier and also helpful in cough,fever and skin disease.
139	Oxalis comiculata L.	Oxalidaceae	Puliarai	Whole plant	wounds	Whole plant paste is applied.
140	Pandanus amaryllifolius	Pandanaceae	Thazham poo	Stem	jaundice	Tender shoots are directly eaten
141	Pedalium murex L.	Pedaliaceae	Yanai Nerungil	Whole plant	reducing heat, urinary problems and kidney stones	*Plant dipped in half liter of water and kept for 5-10 minutes. The water turns into the viscous fluid in which sugar is added and take orally.
142	Peristrophe paniculata (Forssk.) Brumit	Acanthaceae		Shoot	Bone fracture	Along with white layer of egg, calcium and turmeric ground and the mixture applied on fracture and bandaged with cloth
143	Plectranthus coleoides Benth.	Lamiaceae	Omavalli	Leaf	To reduce delivery time pain	Leaf juice is taken internally by pregnant women.
144	Pergularia daemia (Fors.) Chiov	Asclepiadaceae	Veliparuthi	Leaf	Head ache	Fresh leaves are boiled with water and the vapour is inhaled.
145	Phyllanthus niruri L.	Euphorbiaceae	Keelanelli	Whole plant	jaundice and leucorrhea	Whole plant crushed and tablets are prepared, taken twice a day for 10 days.
146	Phyllanthes reticulates Poir.	Euphorbiaceae		Leaf	Bone fracture	Along with seeds of Vigna mungo, Trigonella foenum graecum, white layer of egg, calcium and turmeric ground, mixture applied externally and bandaged
147	Plumbago zeylanica L.	Plumbaginaceae	Chithramulam	Root	fever	Roots crushed and applied on back bone reduces fever (massaged over the back bone).
148	Pithocolobium dulce Benth.	Fabaceae	Kodukapuli	Fruits	fever	The edible fruits of this species reduces fever
149	Piper betle Linn.	Piperaceae	Vetrilai	Leaf	digestive, stimulative, carminative	Betel leaves are used for chewing
150	Piper nigrum L.	Piperaceae	Milagu	Seeds	Throat infection	The dried seeds are taken orally

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151	Polygala javana DC.	Polygalaceae	Periyanankai	Whole	dog bite.	Whole plant is pounded with
152	Polyalthia cerasoides (Roxb.) Bedd.	Annonaceae	Naramamidi	Stem Bark	Bone fracture	Along with calcium and turmeric ground made into paste and mixture applied on facture and bandaged with cloth
153	Pongamia pinnata (L.) Pierre.	Fabaceae	Pungamaram	Stem	tooth ache	* Stem is used as tooth brush.
154	Pouzolzia zeylanica (L.)	Urticaceae		Stem	Bone fracture	Crushed, paste applied as poultice
155	Psidium guajava L.	Myrtaceae	Koiya	Leaf	diabetes	* 4-5 leaves Soaked in water for over night and taken early in the morning or the decoction of the leaves taken.
156	Pterolobium hexapetalum (Roth.) Sant. & Wagh.	Caesalpiniaceae	Kari indu	leaf	To reduce delivery time pain	Decoction of leaves is taken internally by pregnant women.
157	Punica granatum L.	Punicaceae	Madulai	Bark &root	cooling	'Sharbat' prepared by bark and root.
158	Randia dumetorum (Retz.) Poir.,	Rubiaceae	Madukarai	Leaf Stem Root & Fruit	dog bite	Leaf, stem, root, and fruit are useful in reducing poison in the body and also useful in treating dog bite.
159	Raphanus sativus L.	Brassicaceae	Mullangi	Seed	irregular menstrutice	Seed powder given orally for 1 week twice a day
160	Rauvolfia serpentina	Apocynaceae		Root	Rheumatism	Decoction
161	Rhinacanthus nasutus (L.)	Acanthaceae	Nagamalli	Root	ring worm and skin diseases	The root powder is combined with lime juice and is applied directly
162	Ricinus communis L.	Euphorbiaceae	Katamanakku	Root	Rheumatism	Juice of root is taken orally
163	Rubia cordifolia L.	Rubiaceae	Kalutharupan chedi	Root	Heel cracks	Root paste is applied topically on heel before going to bed
164	Santalum album Linn	Santalaceae	Santhanamaram	Tender twig	Uninary tract infection and diabetes	The paste of tender twig mixed with the juice of Phyllanthus emblica are taken orally to treat urinary tract infection and it is best for diabetes
165	Sapindus emarginatus Vahl.	Sapindaceae	Ponthikottai	Fruits	hair tonic	Fruits used for hair wash.
166	Sarcostemma intermedium (L.) R.Br.	Asclepiadaceae	Kodikalli	Whole plant	cooling	*Whole plant taken directly as cooling.
16 7	Scoparia dulcis Linn.	Scrophulariacea e	Sarkaraivembu	Leaf	diabetes and hypertension.	The leaf extract taken with 100 ml 3 times daily
168	Sesbania aegyptiaca Pers	Fabaceae		Tender twig and seed	Problems in hair growth and body heat	Tender twig and seeds are infused with coconut oil and applied topically on the hair regularly for healthy and black hair
169	Sida acuta Burm. f.	Malvaceae	Pilla valatthi chedi.	Leaf	To stimulate Hair growth	Paste of leaves is mixed with coconut oil and applied on head regularly for killing dandruffs and also for strengthening hair.
170	Sida cordifolia Linn.	Malvaceae	Sitramuti	Leaf	stomatitis, blenorrhea,	The juice taken from fresh leaves
171	Sida Rhombifolia L.	Malvaceae	Aruvalmanipoondu	Root	leucorrhea	One tablespoonful root powder with sugar and milk.
172	Solanum trilobatum L.	Solanaceae	Thoodhuvalai	Leaf	Asthma	Juice of leaves is taken orally for seven days
173	Solanum nigrum L.	Solanaceae	Manathakkali	Fruits	liver infection	Fruits directly taken.
174	Solanum surattrense Burm. f.	Solanaceae	Kandangkathiri	Fruits	Toothache	Fresh or dried fruits are kept in fire and the smoke is inhaled with mouth.
175	Spilanthes calva Wt.	Astaraceae	Vettu marunthu chedi	Flower	Tooth ache	Fresh flower dirctly applied

176	Surveium cumini (I.) Skeels	Mantaceae	Naval	Fruits	hidney stone	Enuits directly eaten da)
1/0	Syzygiun cumin (L.) Skeets	Wyttaceae	Navei	Filles	Kidney stone	Proto and a is used for shire
177	Tabernaemontana divaricata (L.)		Neutienettei	Dest	skin diseases and	Koot powder is used for skin
1//	R.Br	Apocynaceae	Nanthiavattai	Root	body heat	diseases and reduces body
<u> </u>						heat.
				Bark	cramps and	Bark and wood power is
178	Tectona grandis L.f.	Verbenaceae	Thekku	&wood	rhaumatism	warmed with water and taken
				a	medinatism	20-30ml orally.
						The decoction of the bark is
			_	Bark	skin and liver	commonly used for the
179	Thespesia populanea Cav.	Malvaceae	Poovarasan	&wood	diseases	treatment of skin and liver
						diseases
<u> </u>				Whole	liver disease	The whole plant now der with
180	Tephrosia purpurea (L.) Pers	Fabaceae	Kolingi	nlant	nver disease,	and taken 20.30 ml orally
<u> </u>				plan	paratysis	the factor of th
						Half teaspoon dry bark powder
181	Terminalia arjuna Roth.	Combretaceae	Neermaruthu	Bark	chest pain	taken with water twice a day
						for week.
						Powdered fruit is mixed with
182	Terminalia chebula Retz.	Combretaceae	Kadukai	Fruits	cold	water or cow's or goat's milk
						and taken internally.
						The bark and root are grind &
				Bark and		took extract, which is applied
183	Terminalia bellarica Roxb.	Combretaceae	Thaanthi maram	root	Skin diseases	tonically to treat unnecessary
				1001		neelings on the skin
<u> </u>						Leef outre et en le élisies mitte
	Tinospora cordifolia (Willd.) Miers	Menispermacea	a			Lear extract or lear juice with
184	ex Hook, f & Thoms.	e	Seenthil Kodi	Leaf	fever	honey taken twice a day for 2-3
		-				days.
185	Toddalia asiatica (I.) I am	Rutaceae	Kindu mullu	Leaf	stomach nain	Decoction of leaves is given
105	Toddalla asialica (L.) Lalli.	Rutaceae	Kindu indilu	Lear	stomach pain	internally
100		A :	a .			T 01 1 14 00 4 4/4
186	Trianthema portulacastrum L	Aizoceae	Saranai	Leaf	jaundice	Leaf juice with 30ml curd taken.
						5gm of whole plant with
187	Trichodesma indicum R. Br	Boraginaceae	Kavilthumbai	Whole	emollient and	crushed in water and 20-30 ml
10/	Thenodesina indicum K. Dr.	Dolagillaceae	Kaviititulitoai	plant	diuretic.	talan traine a day for 15 days
<u> </u>				_		taken twice a day for 15 days.
						ogm of whole plant with 1 to 2
188	Tribulus terrestris I	Zygonhyllaceae	Nenngil	Whole	arthritis	gm of ginger crushed in water
100	moulds terresuls E.	Lygophynaceae	rendigi	plant	rheumatism	and 20-30 ml taken twice a day
						for 15 days.
100	m·4 4 4·					Leaf juice is applied topically
189	Indax procumbens Linn.	Astaraceae	Vettukayapoondu	Leaf	Wound healings	on wounds
				Whole		plant juice is use taken as a
190	Tylophora indica (Burn . F)Merr.	Asclepiadaceae		plant	antitoxic	antitoxic for any toxin
<u> </u>				F		40.50 ml of root juice taken two
191	Vitex negundo L.	Verbenaceae	Nochi	Root	joint pain	times daily
<u> </u>						unies daily.
						About 100 gms of V. mungo
1						are soaked for 12 hours and
1						allowed to sprout. Then 2
102	Vigna munga Linn	Fabrana	I Ihan Alban	Sanda	Mactitic	inches of this are of Zingiber
192	vigna mungo Linn.	rabaceae	Ciunanu	Seeds	Masuus	inches of mizome of Zingiber
1						officinale was cleaned properly
						and cut into small pieces. The
						mixture is given to take.
<u> </u>						Single loof with 4 Dipor piggum
						Single lear with 4 Fiper higruin
						seeds and plant juice of
						Achyranthes aspera is taken
193	Wattakaka valubilis (L.f.) Stapf	Asclepiadaceae	kodipalai	Leaf	dog bite	30-40 ml thrice to treat snake
1						bite. Three doses are to be
1				1		given after the interval of 30
						minutes.
		1		1	adenopathy	1
					arthritic acthma	The reat new der beiled with
194	Withania somnifera L. Dunal	Solanaceae	Ashwagandha	Root	arumus,asuma,	a see with is intermetter
1			-	1	nypertension,	cow milk is internally
L					inflammations	
				Loofond		Leaves and stem are boiled
195	Zehneria scabra	Astaraceae	Agasakarudan	Ctorr	cold and fever	and the vapour is inhaled and
				Stem		bathing
						Paste of leaf along with the
106	Zizunhus mauritiana Linn	Rhammaceae	Ilandai	Leaf	Paraluze	leaves of Ailanthes excelsa
190	Zizypius maunualia Liilli	Kinaminaceae	nanuai	reat	1 alaiyze	Roxb. is taken internally as well
1				1		as topically to treat paralyze
L						
197	Zingiber officinale Rosc	Zingiberaceae	Ingi	Rhizome	stomachache	Chewing rhizome

Leaves are the most widely (45%) used plant part of the reported medicinal plants, followed by roots (11%), whole plant (11%) Bark (10%) Stem (6%) fruit (5%) and seed (4%). A majority of remedies are prepared in the form of extract or juice followed by paste, powder form, decoction and from freshly collected plant parts. For few remedies, medicines are prepared after drying and the administration includes inhalation, oral administration and Most of the ailment such as skin diseases, dog bites and wounds can be cured by external application and internal consumption of the preparations were also involved in the treatment of diseases like stomachache, diarrhoea and urinary problems. The local people of the tiruchirappalli district prescribed the medicinally important plants either as single or as in combination with other plants to cure suffering of the people from illness.

An interesting observation was that some of the documented medicinal plants such as Acorus calamus L., Aerva lanata (L.) Juss.ex Schult, Andrographis paniculata, Cassia alata and Amaranthus spinosus Linn. were found to be practiced as important medicinal plants in study area for the treatment of diseases like kidney stone, diabetes, headache, dysentery and stomach ulcer, and skinrashes. It is observed from the study that, most of the rural people in this area cultivate some of the common medicinal plants in their home gardens either for medicinal use or for use as vegetables which play a significant role among them and indicated that, the study area has a wide spectrum of medicinal plants to treat various human ailments.

CONCLUSIONS

This study provides an ethnobotanical data of the medicinal plants used by the people to cure different diseases. Thus, the purpose of standardizing traditional remedies is essential to ensure therapeutic efficacy where the value of ethnomedicinal information in modern pharmacology lies in the development of new drugs. It may be some significance that this study generated a broad spectrum of information concerning the use of medicinal plants by local people.

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