

Medicinal Flora of Perumal Kovil Hills Iddappadi, Southern Eastern Ghats, Salem District, Tamil Nadu

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Abstract:- Studies on medicinal flora salem district Tamil Nadu, was conducted during September 2015 to march 2016, collect the information, the informants were selected based on their knowledge of medicinal plants. A total of 140 species, 118 genera, and 44 families, utilized to cure various ailments by indigenous people, were identified. Were using these medicinal plants to cure diabetes, dysentery, jaundice, snake-bite, astrin, coughs, cold, colling restor, skin infections and gynecological disorders. The present investigation revealed that medicinal plants still play a vital role in the primary health care of the people. Importance and medicinal plants value information to initiate drug discovery efforts.

Keywords:- Medicinal flora, Salem district, Tamil Nadu.

I. INTRODUCTION

Plant diversity and how various people make use of indigenous plant found in their localities. Plants are significant sources of medicines that are used in the treatment of various categories of human diseases. Historically all medicinal preparations were derived from plants. According the WHO about 80% of population the world depends on traditional medicine, the mostly herbal remedies. Knowledge on indications is that it will be lost with succeeding generations. Medicinal plants is defined as any substance with one or more of its organ containing substances that can be used for therapeutic purposes or which can be used precursors for synthesis antimicrobial drugs. The knowledge of medicinal plants has been accumulated in the core many centuries based on different medicinal system such as Ayurveda, unani and siddha. A vast knowledge of how to use the plants against different illnesses may be expected to have accumulated in areas where the use of plants is still of great importance. Although the to the access to the moderam medicine is available in these countries the use of medicinal her bases kept its, popularity for historical and cultural reasons on the other hand in the developing countries 65-80% population decants exclusively on the medicinal plants for basic. Medicinal plants represent an important gealth and economic compounent of biodivercity and also conservation and sustainable use according to also conservation and sustainable according to (ramen et al.,2014) survey revealed that leaves from the major part of plants or herbal preparations the medicinal plants they should intensity on the research to reveal other concealed values. plants especially the higherones have been described as the sleeping giants of drug and these medicinal plants has been screed.

II. MATERIALS AND METHODS

A. Study Area.

The study area perumal malai hills is iddappadi sub-locality salem district, Tamil Nadu, India. Perumal malai hills is situated in 25 km. from salem in main rod. The floristic work was revealed in western platem of perumal malai hills (southern eastern Ghats). The study was carried out during September 2015 to march 2016 .the study lite situated 11.61Narth latitude and 78.15 N longitude and under the reserved forest respectively. The perumal malai hills altitude range is 2,662' above the sea level and average annual rainfall is 82mm. the maximum temperate ranges from 30.2c to 33.75.c And minimum temperate ranges from 16.2.c to 22.38.c. The perumal malai hills is a part of the eastern ghats, which is mountain range that runs mostly parallel to east cost of south india.

B. Methodology

The study was under taken during September during September 2015 to march 2016 and frequent field trips were made in seasons of the year. Field studied were planned to cover overall vegetation. Plant samples were collected according to the flowering time of each species and identified with the help of an excursion flora of central Tamil Nadu, by K.M Matthew (1980), Flora of the presidency of madras 1 3 gamble and Fisher (1935). Illustrations on the flora of the Tamil Nadu Carnatic by K.M Matthew (1991). Glossary of Indian medicinal plant by R.N Chopra. Hand book of some south Indian grasses by Achariyar (1971). dictionary of medicinal plants by a Balasuberamaniyan (2008). plant database like ENVIS center on medicinal plants (<https://envis.frlht.org>).

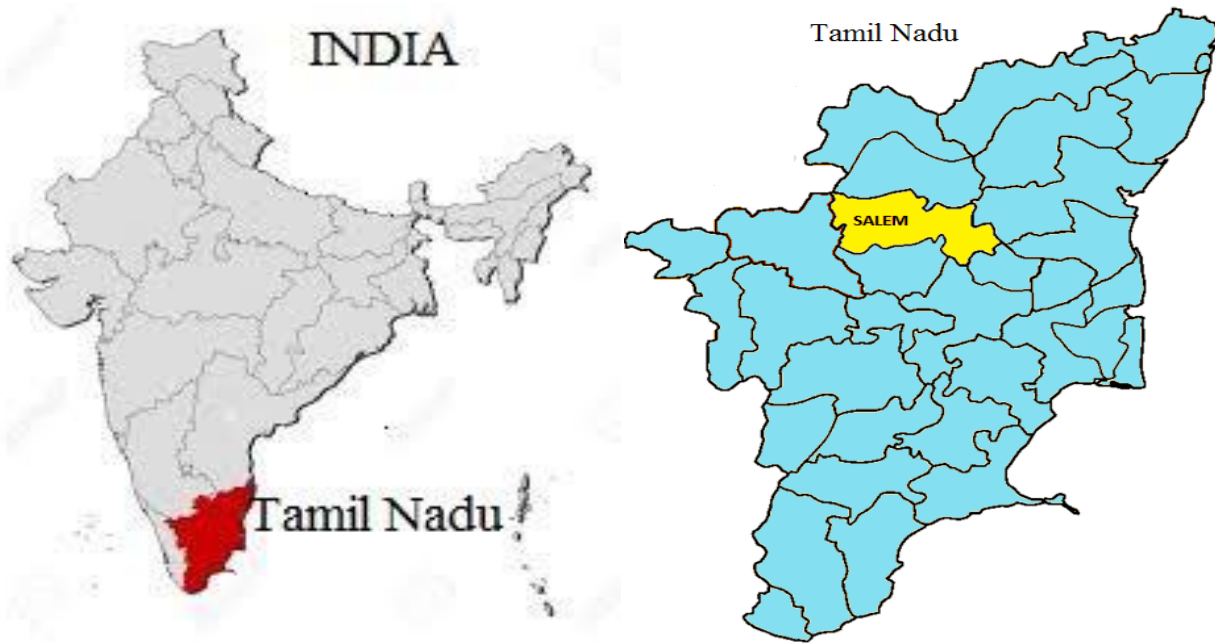
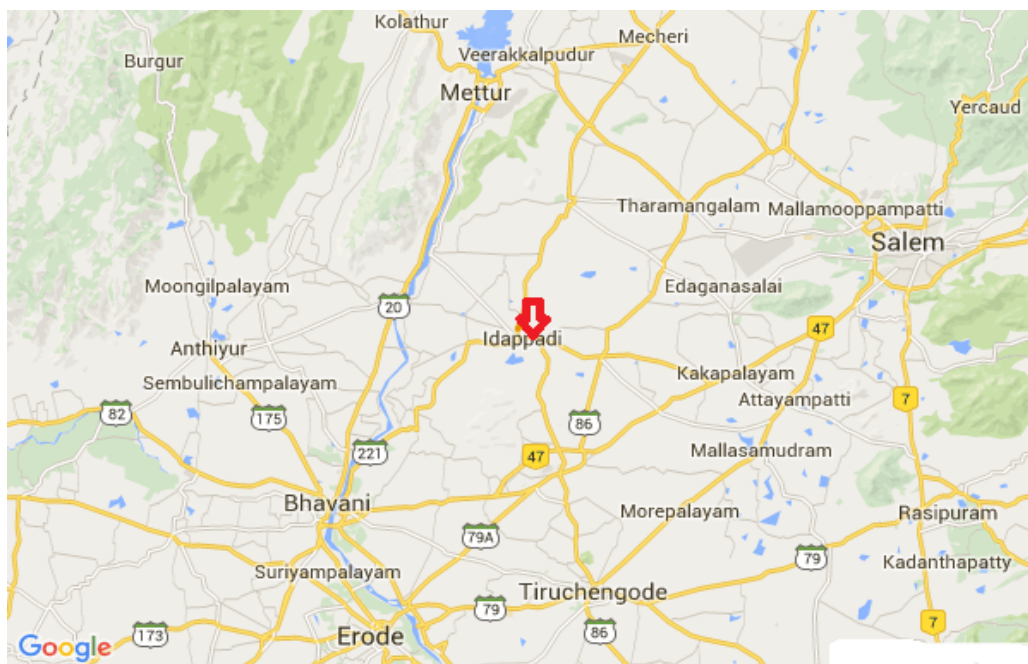


Fig 1:- Location map salem district and study area



III. RESULT AND DISCUSSION

The present study is about the medicinal plants survey in perumal malai hills. The plant survey was conducted by routine filed studies during different seasons of the year (September 2015 to march 2016) to cover all areas of the perumal malai hills the enumerated plant species were arranged al alphabetical order along with their common name, family habit and ailments cured the survey enlisted a total of 140 species of various plant classes.118 genera 44 families in the present survey only angiosperms species were taken in to account for medicinal value (Table 1).

Habit wise analysis show the herbaceous diversity dominate in the study area. herbes recorded (42 species) tree recorded (23 species), shrub recorded (45 species) climber (8 species) (fig 2).

Top ten utility value of the plants were given below *Abutilon indicum* (18.51%), *Azadirachta indica*, (16.66%), *Aloe americana* (14.81%), *Cyanotis tuberosa*, (14.81%), *Xynthium indicum*, (14.81%), *Albizia lebeck* (12.96 %), *Andrographis paniculata* (12.96%), *Bombax malabaricum* (12.96%) *Prosopis juliflora* (12.96%) and *Cymbopogon citrates* (11.11%), *Abutilon indicum* (18.51%), dominated to cure 10 ailments such as diuretic, leucoderma, pils, laxative, fever, anti inflammatory, premature aging ulcer, tuberculosis and bleeding disorders. (table 2) As per the red list formulated by International Union of Conservation of Nature (IUCN), Around 7 plants were enumerated in the red list data list. Among these 5 plants are least concern *Commelina bengalensis*, *Cyanotis cristata*, *Cyperus rotunds*, *Euphorbia tirucalli*, *Gloriosa superba*, and they posses valuable medicinal properties and 2 plants vulnearable *Cayratia pedata*, *Santalum album*. (Table 3).

The statistical approach provides a list of medicinal plants of the study area among enumerated 140 plants, 123 species invariably used to cure 54 types of ailments. Plant species used cure different plant parts such as whole plant (16.8%), leaves, (16.80%), root (19.15%), bark (6.20%), fruits (11.8%), stem (5.50%), flower (8.30%), seeds (2%) and rhizome (8.30%), were used in curing ailments among these plant parts were list (fig 3).

IV. DISCUSSION

In this survey the family Euphorbiaceae was dominant with maximum number of medicinal plants 17 species previously the same work was carried out in oothumali hills by (prabakaran et al., 2010) and is revealed that Euphorbiaceae was dominant family the present population is switching back to natural medicine and this aspect documentation will help in the conservation of medicinal plants.

V. ACKNOWLEDGEMENTS

The others are thankful to the medicinal plants of the study area and kind response for sharing their indigenous knowledge in perumal malai hills.

S. no	Botanical name	Common name	Family	Habit	Parts used	Medicinal uses
1	<i>Abrus precatorius</i> Linn	Gundu mani	Fabaceae	Shrub	Seeds leaves	Hair tonic, anti inflammatory
2	<i>Abutilon indicum</i> G. Don	Thuthi	Malvaceae	Shrub	Leaves	Piles and skin eruptions
3	<i>Acalypha indica</i> Linn	Kuppa mani	Euphorbiaceae	Herb	Leaves whole plant	Treat jaundice, skin diseases, dysentery
4	<i>Accia nilotica</i> Willd	Karuvel	Mimosaceae	Tree	Bark	Stomach upset and pain
5	<i>Achyranthes aspera</i> Linn.	Naiyuruvi	Amaranthaceae	Herb	Leaves	Dog bites bites toothache, abdominal pain
7	<i>Aerva lanata</i> ,Juss	Sirupulli	Amaranthaceae	Herb	Whole plant root	Treatment of headache

8	<i>Albizzia amara</i> Boivin.	Wunja	Mimosaceae	Tree shrub	Flowers leaves	Externally applied to in flam boils and ulcers.
9	<i>Albizzia lebeck</i> (L.)Benth.	Vagei	Mimosaceae	Tree	Whole plant	Snake bite and scorpion sting.-astrin, given in piles and diar, tonic,restor.
10	<i>Albizzia odoratissima</i> Benth.	Karuvagei	Leguminaceae	Tree	Bark ,leaves	Externally is considered efficacious in leprosy and inveterate ulcers.
11	<i>Asperagus racemosus</i> Willd.	Shatavari	Liliaceae	Herb	Root	Demulic,galact,tonic,useful in diar,dysen,and general debility asparagin.
12	<i>Aspragus racemosus</i> Wild.	-	Liliaceae	Herb	Tuberous roots	Antidysentric, Galactogogue
13	<i>Alysicarpus vaginalis</i> (L.)Dc.	Namapundu	Fabaceae	Herb	Root	Used to kill worms which infest cattle.
14	<i>Aloe vera</i> Linn.	Katthalai	Liliaceae	Herb	Whole plant	Cure jaunndie,menstrual disorders and skin diseases
15	<i>Andrographis echiooides</i> Nees.	Koburam thangi	Acanthaceae	Herb	All parts	Cure for snake poison skin diseases, diabetes, dysentery and fever
16	<i>Anisochilus carnosus</i> wall	Sethupun sedi	Lamiaceae	Herb	Leaves	Stimulant, expectorant and diaphonic.
17	<i>Anisomeles malabarica</i> R.Br.	Peyamearatti	Lamiaceae	Herb	Leaves	In inhibiting proliferation of and it inducing apoptosis in human cervical cancer cells.
18	<i>Annona squamosa</i> Linn	Sitapalam	Annonaceae	Tree	Seeds,fruites and leaves	Insecticide, fish poison used to remove lice in head.
19	<i>Artemisa annua</i> Linn		Asteraceae	Herb	Flower	In indochina herb considered a good stomach,diur,and prescribed in jaundice and skin diseases.
20	<i>Atalantia monophylla</i> Correa.	Kattu elumitchi	Rutaceae	Shrub	Root leaves	Andisp.stim in snake-bite.
21	<i>Atalantia recemosa</i> W& A	Katta naragam	Rutaceae	Shrub	Leaf, fruit	Used externally in chronic rheumatism and paralysis.
22	<i>Azadirachta indica</i> A.Juss.	Vepa	Meliaceae	Tree	Bark leaves	Bitter tonic, astrin, antiper.
23	<i>Bambusa arundinaceae</i> Wild	Mungil	Poaceae	Tree	Leaves	Emmen used in haemetemesis and practice given to horses as remedy for coughs and colds
24	<i>Bauhinia racemosa</i> Lamk.	Archi,Atti	Leguminaceae	Tree	Leaves bark	Diar and dynes headache malaria
26	<i>Borassus flabellifer</i> Linn	Pani	Areceae	Tree	Root, bulb	Cooling,restor, damulc Nutria
27	<i>Barleria cristata</i> Linns	Vadamalli	Acanthaceae	Shrub	Roots, leaves	Reduce swelling, snake bite.
28	<i>Boerhaavia diffusa</i> Linn.	Mukuatti	Nyctaginaceae	Herb	Leaves	Advantages for the kidney.
29	<i>Borreria hispida</i> L.spruce ex k.Schum	Nittai churi	Rubiaceae	Herb	Root, seeds	Alter,stim

30	Catharanthus roses G.Don.	Nithyakalyani	Apocynaceae	Shrub	Whole plant	Powdered and mixed with cow's milk and taken orally to treat diabetes.
31	Calotropis procera R.Br.	Vellai yerukku	Asclepiadaceae	Herb	Leaves, Latex	Stalks contain colotropin and calotropagenin
32	Cardiospermum halicacabum Linn	Mudakathan	Sapindaceae	Tentril	Leaves	Effective external application for and other painful
33	Caralluma attenauta Wt.Ic	Cal muliyean	Asclepiadaceae	Herb	Whole plant	Used as tonic,intoxicant, stomch,antisp,analgesic,narcotic,sedative and anodyne.
34	Celosia argentea Linn	Panna keerai	Amaranthaceae	Herb	Flower seed	Haemostatic ophthalmic, parasithalamic and parasitict and poultice.
35	Cassia auriculata Linn.	Avaram	Caesalpiniaceae	Trees	Bark, root leaves	Astrin, used in skin diseases
36	Cassia angustifolia Vahl.	Nila virai	Caesalpiniaceae	Shrub	Leaves and fruits	Crlud,kampferin, Antharaqione
37	Cassia fistula Linn	Sarakondari	CSaesalpiniaceae	Shrub	Bark	Used to treat skin infections
38	Chloris barbata Sw.	Kodai pillu	Poaceae	Herb	Whole plant	Folkloric, used in Philippines
39	Chloroxylon swietenia Dc.	Porosa marem	Fabaceae	Tree	Bark, leaves	Astrin applied to wounds and prescribed in rheumatism
40	Hicbisus canescens L.	Pulichi	Malvaceae	Herb	Leaves, seeds	Lungs and liver disorders
41	Cissus quadrangularis Linn	Piranadi	Vitaceae	Shrub	Leaves, young shoots	stomach used in powder from in digestive troubles
42	Cleome viscosa Linn.	Naivalai	Capparidaceae	Herb	Whole plant	Cure headache,anthelmintic and carminative
43	Cleistanthus collinus Benth.	Wodayu,wodan	Euphorbiaceae	Shrub	Root,leaf,and bark	Plant astrin extremely poisons
44	Clitoria ternatea Linn.	Karka kartun	Leguminaceae	Herb	Seeds root	Purg aper bitter,cath,purg diur
45	Coccinia indica W & A	Kovay	Cucurbitaceae	Herb	Whole plant	Plant internally in gonor.
46	Coccinia indica Wight & Arn.	kovaikai	Cucurbitaceae	Shrub	Leaf, stem and root	Treat diabetes, skin diseases and bronchitis
47	Cocculus hirsutus (L.) Diels.	Siru Kattukodi	Menispermaceae	Climbing herb	Root	Referring lext sudorific alters useful in rheumatism and ventral diseases.
48	Colophyllum inophyllum L.	Pinnai maram	Clusiaceae	Tree	Bark	Skin disorders
49	Corallocarpus epiganeus Hook.	Akashagarunda n	Cucurbitaceae	Herb	Root	Aper, alter used in char dysen syphilitic rheumatism mocousenterites and snake bite
50	Cordia domestica Roth.	Naruvili	Borginaceae	Tree	Whole plant	Used for biliousness, couch and internal hemorrhage.
51	Cleistanthus collinus Benth.	Oduven	Euphorbiaceae	Tree	Leaves,roots,fruits	Gastro-intestinal irritant diur in dropsy in secondary syphilis
52	Clerotendron phlomides Linn	Pinchil sangam	Verbenaceae	Shrub	Root, leaves	Syphilitic complaints, cure for diarrhea in cattle
53	Crotalaria verrucosa Linn	Sannappu	Fabaceae	Herb	Leaves	Bone setting scabies

54	<i>Cynodon dactylon</i> (L.) Pers.	Arugam pillu	Poaceae	Perennial herb	Root	Mixed with curds used in chrgleet
55	<i>Cyperus rotundus</i> L.	Korai kizhangu	Cyperaceae	Herb	Root and rhizome	Anti –diabetic, antioxidant, anti mutagenic
56	<i>Heliotropium indicum</i> Linn	Thelkodukku	Boraginaceae	Herb	Whole plant	Paste of whole plant is applied topically to treat wounds and skin affections.
57	<i>Datura starmonium</i> Linn	Umathi	Solanaceae	Herb	Fruits flowers	Sedative,intoxicating, earache
58	<i>Delonix elata</i> Gamble.	Vadenarayna	Fabaceae	Trees	Leaves	Used in rheumatism and flatulence
59	<i>Dichrostachyas cinerea</i> W& A.	Vadatalla	Fabaceae	Shrub	Root	Astrin used in rheumatism, urinary calculi and renal troubles
60	<i>Eclipta alba</i> Hassk.	Karisilankanni	Asteraceae	Shrub	Leaves root	In scorpion sooting,emetic,purg, Applied, Nelly, As Antisp, to ulcers and wounds in cattle.
61	<i>Eleusine aegyptiaca</i> (L.)Desf.	penchaanguli	Poaceae	Herb	Root	Used in hair fall treatment liver disorders, skin diseases
62	<i>Eremopogon foveolatus</i> Stapf.	-	Poaceae	Herb	Whole plants	Plant used as a stimulating diur,in febrile conditions.
63	<i>Ehretia ovalifolia</i> Wt.		Boraginaceae	Tree	Root	Liver disorders diarrhea inflammatory conditions hemorrhoids, respiratory and urinary diseases
64	<i>Euphorbia hirta</i> Linn	Amman patchaiarisi	Euphorbiaceae	Herb	Whole plant	Used in diseases of children in worms bowl complaints, cough
65	<i>Euphorbia tirucalli</i> Linn	Tirukalli	Euphorbiaceae	Herb	Root	Urinary diseases
66	<i>Evolvulus alsinoides</i> Linn	visnkarandi	Convolvulaceae	Small herbs	All parts	Cure cough and cold,hiccups,epilepsy dysentery and asthma
67	<i>Evolvulus nummaularius</i> Linn.		Convolvulaceae	Herb	Leaves	Leaves used as purgative
68	<i>Encostemma littorale</i> Blumme.	Vellaragu		Herb	Seeds leaves root	Bronchitis and skin diseases
69	<i>Ficus bengalensis</i> Linn.	Ala	Moraceae	Tree shrub	Whole plant	Externally for pains, in rheumatism and lumbago
70	<i>Ficus glomerata</i> Roxb	Atti	Moraceae	Tree	Fruit	Liver disorders diarrhea inflammatory conditions hemorrhoids, respiratory and urinary diseases
71	<i>Ficus palmata</i> Forsk.		Moraceae	Tree	Fruit	Demulc, laxt used as diet in cases of constipation and in diseases of the lungs and bladder.
72	<i>Ficus religiosa</i> Linn	Arasu	Moraceae	Shrub	Seeds. leaves	Astrin,used in gonor.
73	<i>Flacourtia sepiaria</i> Roxb.	Kodumundi	Flacourtiaceae	Tree	Leaves and roots	In snake bite
74	<i>Gymnema sylvestres</i> R.Br	Siru-kurinja	Asclepiadaceae	Shrub	Leaf	Powder is mixed with cow's milk and taken orally to treat

75	<i>Gloriosa superba</i> Linn	Sanganthal	Liliaceae	Climbing herb	Root	cooling, drink for hot weather
76	<i>Heliotropium indicum</i> Linn.	Telkodukku		Herb	Boraginaceae	Whole plant
77	<i>Hemidesmus indicus</i> R.Br	Nannari	Asclepiadaceae	Under shrub	Roots	Used as subst.for sarsaparilla, demulic, alter,diur,tonic ,in loss of fever skin discos
78	<i>Holoptelae integrifolia</i> planch.	Aya	Ulmaceae	Tree	Bark	Applied to rheum.sweellings.
79	<i>Hybanthus enneaspermus</i> (L.)F mall.	Orithel thamari	Violaceae	Herb	Leaves, root	Tonic in bowel complaints
80	<i>Hyptis suaveolens</i> poit.	Ganga thulasi	Lamiaceae	Herb	Whole plant	Pounded and applied to parasitical coetaneous diseases
79	<i>Jatropha curcas</i> Linn.	Kattamanaku	Euphorbiaceae	Shrub	Leaves	Cataplasm to the mammas as a lactag.
80	<i>Jatropha gossypifolia</i> Linn	Athali	Euphorbiaceae	Herb	Whole plant	Foul odour,toothache
81	<i>Jasminum angustifolium</i> vahl	Kattumallihi	Oleaceae	Shrub	Root	Bitter, ground small mixed with
82	<i>Justica tranquebariensis</i> Linn	Thavaci murungai	Acanthaceae	Shrub	Whole plant	Used to treat arthritic problems,cancer,cardiovascular diseases and antioxidant
83	<i>Kyllinga odorata</i> J.Vahl.	Pula	Caperaceae	Herb	Leaves and roots	Applied to wounds.
84	<i>Lantana camara</i> Linn.	Unnichi	Verbenaceae	Shrub	Whole plant	Guiana and la reunion considered vulnerary diaphoreses carmin and Antisp.
85	<i>Lantana indica</i> Spreng	Unani	Verbenaceae	Shrub	Leaves	Used as a cure for snake bite.
86	<i>Leucas aspera</i> Link.	Thumbai	Lamiaceae	Herb	Whole plant, flowers	Antipyer,insecticide cold
87	<i>Martynia annua</i> Linn.	Thel kodukkukai	Acanthaceae	Herb	Leaves	Given in epilepsy, applied to tubercles glands of the neck
88	<i>Merremia tridentata</i> (L.) Hallier F.	Trippanpul	Convolvulaceae	Herb	Whole plant	Used in rheumatism. Piles and urinary disorders; tonic and lext
89	<i>Merremia emarginta</i> (hallier f.)	Elikkadilai	Convolvulaceae	Herb	Whole plant	Decoction of the whole plant is taken internally to treat stomach problems
90	<i>Melia azedarach</i> Linn	Mallay vembu	Meliaceae	Tree	Flowers and leaves	Applied as poultice to relieve nervous headaches.
91	<i>Menispermum canadense</i> Lamk.	Sirukatukodi	Menispermaceae	Climber	Root	The lenape used in salve for sores on the skin.
92	<i>Milletia pinnata</i> L.	Punga maram	Mangoliaceae	Tree	Seeds	Skin disease and liver disease
93	<i>Mollugo nudicaulis</i> Lam.	Parpadam	Molluginaceae	Herb	Seeds	Used as cough home remedy and it is
94	<i>Mollugo pentaphylla</i> L.	Virrichatarasi	Aizoaceae	Herb	Whole plant leaves	Stomach, aper, Antisp. Bitter antiper
95	<i>Morinda citrifolia</i> L.		Rubiaceae	Herb	Root ,stems	Benefit of juse extract
96	<i>Mukia maderaspatana</i> (L.) Roemer		Cucurbitaceae	Shrub	Whole plant	Vertigo and biliousness

97	<i>Murraya koenigii</i> Spereng.	Karuveppilai	Rutaceae	Herb	Whole plant	Tonic, stomach
98	<i>Ocimum americanum</i> linn.syn.	Ganjamkorai	Lamiaceae	Herb	Leaves	Made in to paste used in parasitical skin diseases and applied to the finger and toe nails during fever .
99	<i>Opuntia vulgaris</i> Mill	Sappathicalli	Cactaceae	Shrub	Fruit	Pulp and juice are considered treatments for wounds
100	<i>Opuntia dillenii</i> Haw	Nagadadali	Aizoaceae	Herb	Fruit	Refrying, useful in goner baked and given in whooping cough.
101	<i>Ophiuros exaltatus</i> O Ktz.	Hanangu	poaceae	Herb	Entire plant	Used as fodder in rainy and dry
102	<i>Passiflora foetida</i> L.		Areaceae	Shrub	Fruit leaves	Emetic,gead in giddiness and headache
103	<i>Physalis minima</i> Linn	Sodakku thakkali	Solanaceae	Herb	Fruit	Used liver diseases
104	<i>Pavonia odorata</i> Wied.	Peramutti	Malvaceae	Shrub	Root	Astrin tonic, prescribed in digestion, cooling demulic , fabge.
105	<i>Povonia zeylanica</i>	Chitramutti	Malvaceae	Shrub	Stem	Treating digestive weakness ,pails constipation ,cough, muscular pains, rheumatism
106	<i>Polycarpaya corymbosa</i> Linn.	Nilai sedi	Caryophyllaceae	Herb	Whole plant	Used for seminal weakness, urinary retention ,kidny
107	<i>Pedaliium murex</i> Linn	perunerunji	Pedaliaceae	Herb	Whole plant	Pharmacologic activities, photochemical
108	<i>Pergularia extensa</i> N.E.Br.	Belaparti	Asclepiadaceae	Shrub	Leaves	Used as expect .in catarrhal affections, in infinite diar given in asthma
109	<i>Phyllanthus amarus</i> L.	Kilanelli	Euphorbiaceae	Herb	Whole plant	Colic, cough, indigestion
110	<i>Phyllanthus maderaspetensis</i> L.	Sodakku thakkali	Euphorbiaceae	Herb	Fruit, leaves	Fresh leaves,flowers and fruits with cumin seeds and sugar made in to an electuary used for the cure of gonor.
111	<i>Phyllanthus virgatus</i> G.Forst.		Euphorbiaceae	Herb	Leaves ,flowers	External application in skin disceses
112	<i>Pillanthus calva</i> Dc.	Palvali poondu	Astraceae	Herb	Whole plant	Toothache, affections of thought and gums and paralysis of the tongue.
113	<i>Pithecolobium dulce</i> Benth	Konapuliyangai	Rosaceae	Tree	Bark	Emmenanagouge
114	<i>Pongamia pinnata</i> (L.).	Punga maram	Fabaceae	Tree	Seeds	Used as external application in skin disceses.
115	<i>Polycarpore corymbosa</i> Lam	Nalaisedachi	Portulaceae	Shrub	Leaves	Used cold or warm as poultice over boils and inflammatory swellings; used for bites from animals and given with molasses in from a pill in jaundice
116	<i>Randia racemosa</i> Roxb	Sevappu Kari	Rubiaceae	Herb	Bark	Fever malaria.
117	<i>Randia rugulosa</i> (Thwaites)	Vedam poo	Rubiaceae	Shrub	Flower	Antismoke venom

118	<i>Rauwolfia serpentina</i> (L.)Benth		Apocynaceae	Herb	Root bark	Rauwolsine found to be a cardiovascular depressant in experimental animals
119	<i>Rigera arverasis</i> Forsk	Thoyakeeri	Amaranthaceae	Herb	Whole plant	Traditional use
120	<i>Santalum album</i> Linn	Santhanam	Santalaceae	Tree	Bark	Treatment of commoncoids
121	<i>Sansevieria roxburghina</i> Schult.F.	Mottamanji	Liliaceous	Herb	Seeds	Prescribed in the form of an electuary in consumpalue complaints and cogs of long standing.
122	<i>Solanum torvum</i> Swartz.	Sundai	Solanaceae	Herb	Fruits	Easten as said to be good for enlargement of the spleen
123	<i>Sida acuta</i> Burm.f	Aruvamani poondu	Malvaceae	Herb	Root	Nervous, urinary diseases and disorders
124	<i>Sida cordifolia</i> Linn	Nela thuthi	Malvaceae	Herb	Root, leaves	Tonic for neurological disorders, ophthalmia, diabetics, uterine disorders
125	<i>Tamarindus indica</i> L	Puliya maram	Caesalpiniaceae	Tree	Fruit	Dried fruits are taken orally to treat eye infections.
126	<i>Tephrosia purpurea</i> (L.)Pers	Kattu kolingi	Fabaceae	Herb	Whole plant	Treatment of leprosy
127	<i>Tinospora cordifolia</i> Miers	Sinthal kodi	Menispermaceae	Climber	Plant	Cancer ,treatment
128	<i>Toddalia asiatica</i> Lamk	Milagarani	Rutaceae	Climbing shrub	Leaves	Juice of leaves
129	<i>Trianthema portulacastrum</i> Linn	Saatani	Aizoaceae	Herb	Plant	Diuretic agent,
129	<i>Tribulus terrestris</i> Linn	Nerunji	Zygophyllaceae	Herb	Roots, fruits	Bronchial asthma, pills, cardiac diseases, urinary calculi
130	<i>Trichodesma indicum</i> R.Br	Kevil thumbai	Borginaceae	Herb	Whole Plant	Diuretic
131	<i>Tridax procumbens</i> Linn	Thatha poo	Asteraceae	Herb	Whole plant	Heir tonic, antifungal and insect repellent.
132	<i>Vernonia cinerea</i> (L.)Less.	Sahadevi	Asteraceae	Herb	Whole plant	Used against malaria
133	<i>Vinca pilosa</i> Bak		Apocynaceae	Shrub	Whole plant	Poisonous to cattle
134	<i>Vitex negundo</i> Linn	Vennochi	Verbenaceae	Shrub	Leaves, root	Analgesic, anti-inflammatory, anti convulsant
135	<i>Waltheria indica</i> Linn	Sangali poondu	Streculiaceae	Under shrub	Entire plant	Cough
136	<i>Wrightia tinctoria</i> R.Br	palai	Apocynaceae	Shrub	Seeds	Juice of seeds taken orally to treat indigestion
137	<i>Zizyphus trinervia</i> .Roxb	Karukava	Rhamnaceae	Sumal unarmed tree	Seeds	No tropic and neuroprotective
138	<i>Zizyphus Jujuba</i> Lamk	Ilandahi	Rhamnaceae	Tree	Leaves, root	Plaster in strangury
139	<i>Zizyphus oenoplia</i> Mill	Surai mullu	Rhamnaceae	Climbing shrub	Root	Astringent bitter Anthelmintic digestive
140	<i>Zizyphus nummularia</i> W & A	Kattu ilandahi	Rhamnaceae	Small shrub	Plant	Herbal formulations produced a higher

Table 1. Florestic survey of medicinal plants in perumal kovil hills in idappadi

S.no	Name of the plant	Percentage %
1.	<i>Abutilon indicum</i>	18.51%
2.	<i>Azadirachta indica</i>	16.66%
3.	<i>Aloe Americana</i>	14.81%
4.	<i>Cyanotis tuberosa</i>	14.81%
5.	<i>Xanthium indicum</i>	14.81%
6.	<i>Albizza lebbeck</i>	12.96%
7.	<i>Andrographis paniculata</i>	12.96%
8.	<i>Bombax malabaricum</i>	12.96%
9.	<i>Prosopis juliflora</i>	12.96%
10.	<i>Cymbopogon citrates</i>	11.11%

Table 2. Top 10 utility vale of the species

S.no	Name of the plants	IUCN category
1.	<i>Cayratia pedata</i>	Vulnerable
2.	<i>Commelina bengalensis</i>	List concern
3.	<i>Cyanotis cristata</i>	List concern
4.	<i>Cyperus rotundus</i>	List concern
5.	<i>Euphorbia tirucalli</i>	List concern
6.	<i>Gloriosa superba</i>	List concern
7.	<i>Santalum album</i>	Vulnerable

Table 3. IUCN plant list category recorded in the study area

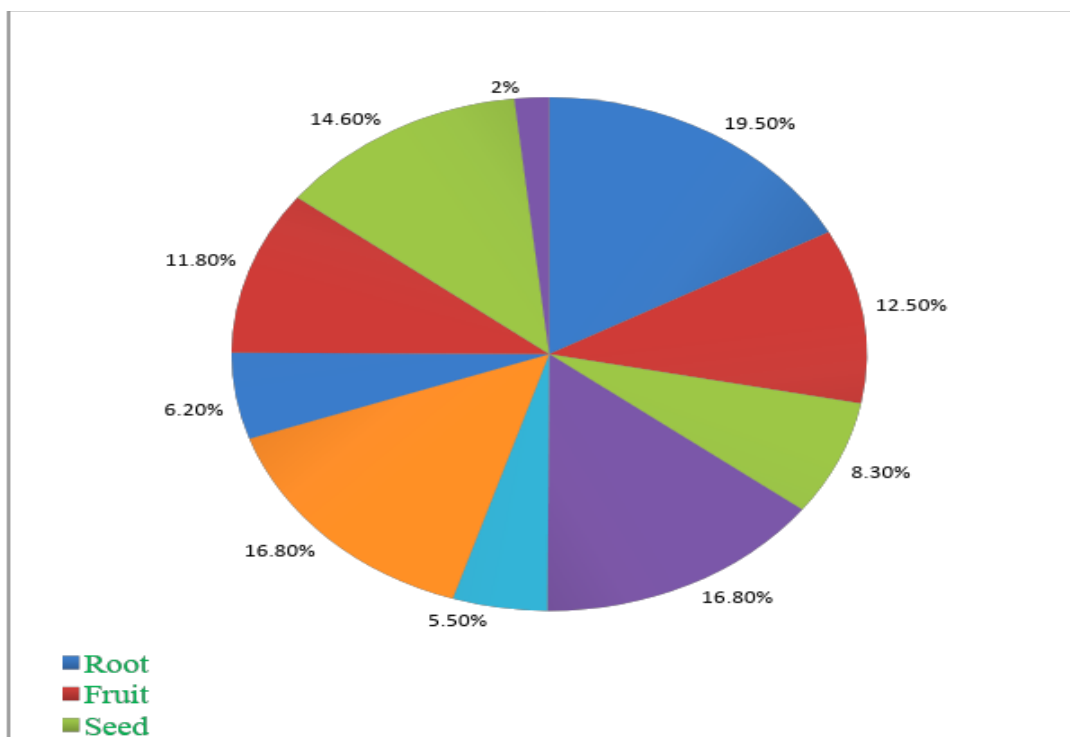


Fig 2:- List of plant parts used in ailments

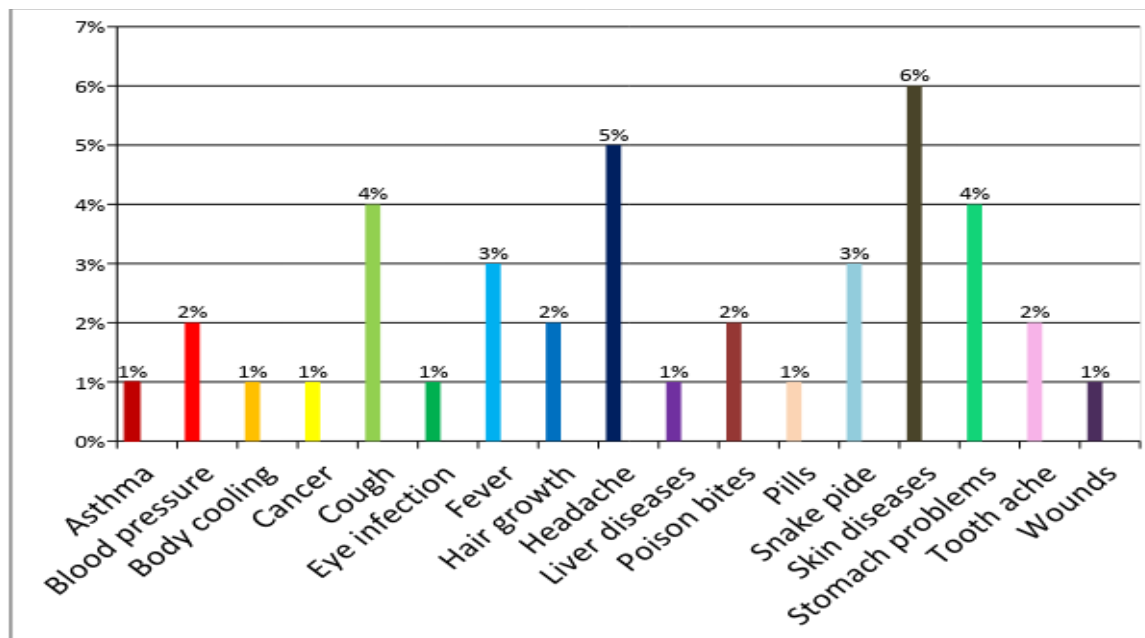


Fig 3:- Percentage of various ailments

REFERENCES

- [1]. Aravind.G,Debjit Bhowmik,S Duraiavel.G,Harish.(2013) Traditional and medicinal uses of carica papaya journal of medicinal plants studies 1:7-15.
- [2]. Gerald B.B.Hammond, D.Irma.Ferna ndez,F.Leo n.villages, Abraham.J.Vaisberg (1978) Asurvey of traditional medicinal plants from the Callego'n de Hualyilas,Department of Ancash,peru *journal of Ethnopharmacology* 61:17-30.
- [3]. Kalayiu Mesfin Gebru Talk,tekle michael tesfay (2013),Eathnobotanical study of traditional medicinal plants used by indigenous people of gemad district,Northern ethiopia *journal of medicinal plants studies* 1:4 32-37.
- [4]. Habtamu Agisho, Mulatu osie,Tsdeke lambore 2014,Traditional medicinal plants utilization, Management and threats in Hadiya zone,*Eathiopia journal of medicinal plants studies* 2:294-108.
- [5]. Sadale A.N and B.A karadge (2013) Survey on ethno-medicinal plants of Ajara Tahsil,District Kolhapur, Maharashtra- *dama international journal* 2 (1):2319-4731.
- [6]. Siva rama kirshna I and M.Sujatha (2012) A status survey of medicinal plant divercity at kondapalli reserve forst, Andhra pradesh,India *International Journal of Applied Sciences, Engineering and Technology* 1:1-5.
- [7]. Thirupathy S.,D Vaidyanathan.,M.S.Salai Santhilkumar and M.Ghouse .
- [8]. Basha (2013) Survy of ethno medicinal plants,Veeramalai hills at Manaparai taluk,tiruchirapplli,Tamil Nadu, India *Advances in applied science research*,4(6):90-95.
- [9]. Sharma P.C,Kumar A.,P.K.Mehta and R.Singh 2014 Survey studies on insect –Pasts Associated with important Medicinal plants in Himachal Pradesh 2(4):2-4.
- [10]. Anjanadevi.N Survey of Sporadic Medicinal plants in Kanjiamalai,Salem District *IOSR Journal of Humanities and Social Science* 92-94.
- [11]. Jaya Priya V.K and R.Gopalan (2015) A Survey on some poisonous plants and their medicinal values in Dhoni Forest,Palakkad,Kerala India *International journal of current microbiology and applied sciences*.(4)12 234-239.
- [12]. Sindhul S,G Uma and P.Kumudha 2012,Survey of medicinal plants in Chennimallai Hills,Erode Districts,Tamilnadu pelgia *Research library* 2(6):712-717.