



ETHNOMEDICINAL PLANTS FROM VATTAMALAI HILLS OF NAMAKKAL DISTRICT, TAMIL NADU, INDIA

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ABSTRACT

India has one of the richest plant medical cultures in the world. Millions of rural households use medicinal plants in a self-help mode. In the present study the survey is made on the medicinal plants from vattamalai hills in Namakkal district, Tamil nadu. A total number of around fifty three plants species belonging to thirty one families were recorded as a home based medicinal plants.

Keywords: Medicinal plants, Medicinal use, Vattamalai, Survey and Treatment.

INTRODUCTION

Demand for medicinal plant is increasing in both developing and developed countries due to growing recognition of natural products, being non-toxic, having no side-effects, easily available at affordable prices. Traditional medicine has been used for thousand years by a large population in India. It is currently serving many of the health needs of the Indian people and it is practiced in India in parallel with modern western medicine. Traditional systems of drugs have been the starting point for the discovery of many important modern drugs. This fact led to chemical and pharmacological screening programmes of plants not only in India but all over the world. It is necessary to first test the plants as they are used in traditional medicine and if the desired activity is confirmed then got to active fractions and pure constituents of the plants.

Now a day's scientific world is technology oriented. Understand the fundamental aspect of molecular basis of flora and fauna taxonomy plays a key role and even unraveling the taxonomic flora. The endangered species must be identified to save them from extinction.

From this prospection, the present works on a survey of medicinal plants in vattamalai hills assume paramount significance and the work should be big boon to phytochemist, pharmacognosist, botanist and medical practitioners¹.

The present survey of medicinal plants consists of herbs, shrub and trees. Taxonomical features, Plants and Plant parts used in Different Human Diseases.

MATERIALS AND METHODS

Study area

Among the district in Tamil nadu, Namakkal is a tropical region. The study area vattamalai hills are located on the 4 km from Komarapalayam, Coimbatore to Salem national highway 47. Over the hills is located in Murugan temple.

The information of the plant was gathered through interview from the elderly people and botanist. Collected information referred by these people with the help of books and it is documented in table²⁻¹⁴.

RESULTS AND DISCUSSION

The present study is based on the survey of traditional information on the medicinal plants from Namakkal district of vattamalai hills. The traditional information's regarding the medicinal uses of medicinal plants been collected and are represented (Table 1). The medicinal properties of the identified plants are Anthelmintic, Anti-inflammatory, Asthma, Bronchodilator, Diabetes, Cough, Diuretic, Digestive, Epilepsy, Fever, Leprosy, Hypertension, Tumor etc., (Table 2). Among the plant species, 55% are shrubs, 24% are herbs and 21% are trees (Chart 1). Among the plant species, 33% are plant, 16% are leaves, 14% are root, 12% are fruit, 11% are seed, 10% are bark, 4% are flower and 1% is rhizomes parts used as a medicinal purpose (Chat 2). All plant images are given below (Figure 1-4).

Figure 1: Medicinal plants images



1. *Abutilon indicum* L,
2. *Acalypha Indica* L,
3. *Achranthes aspera* L,
4. *Aerva lanata* L,
5. *Alangium salvifolium* L,
6. *Albizia amara* L,
7. *Azadirachta Indica*,
8. *Bacopa monnina* L,
9. *Borassus flabellifer* L,
10. *Calotropis procera* L,
11. *Cardiospermum halicacabum* L,
12. *Carica papaya* L

Figure 2: Medicinal plants images



13. *Cassia auriculata* L, 14. *Catharanthus roseus* L, 15. *Cayratia pedata* laux, 16. *Celosia argenta* L, 17. *Cissus quadrangularis* L, 18. *Citrus aurantifolia* Swingle, 19. *Cleome viscosa* L, 20. *Clitoria ternatea* L, 21. *Corchorus aestuans* L, 22. *Crotalaria verrucosa* L, 23. *Cynodon dactylon* L, 24. *Cyperus rotundus* L

Figure 3: Medicinal plants images



25. *Datura metel* L, 26. *Elephantopus scaber* L, 27. *Embilica officinalis* L, 28. *Ficus benghalensis* L, 29. *Ficus religiosa* L, 30. *Hindicusemidasmus* L, 31. *Jatropha curcas* L, 32. *Lantana camara* L, 33. *Leucas aspera* Spreng, 34. *Ocimum sanctum* L, 35. *Opuntia monacantha* L, 36. *Parthenium hysterophorus* L,

Figure 4: Medicinal plants images



37. *Pedalium murea* L, 38. *Pergularia daemia*, 39. *Punica granatum* L, 40. *Phyllanthus maderaspatensis*, 41. *Physalis minima* L, 42. *Sida cordifolia* L, 43. *Tecoma stans* L, 44. *Tephrosia purpurea* L, 45. *Tribulus terrestris* L, 46. *Tridax procumbens* L, 47. *Vernonia cinerea* L, 48. *Vicia indica* L, 49. *Vigna mungo* L, 50. *Wrightia tinctoria*, 51. *Xanthium strumarium* L, 52. *Ziziphus mauritiana* Lam

Chart 1: Number of plant groups reported by the present study

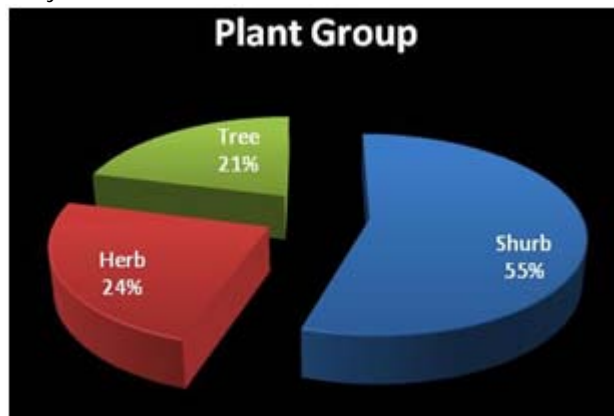
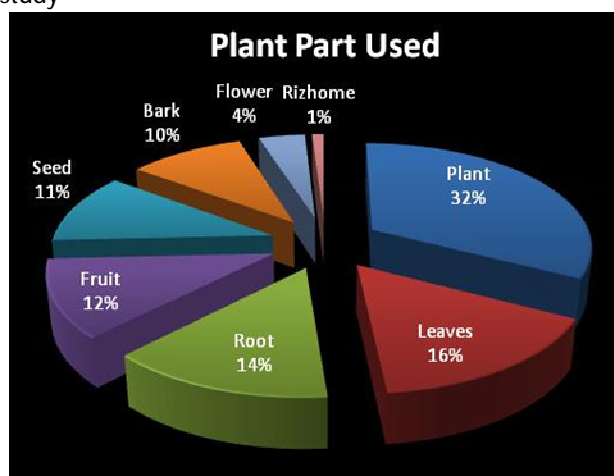


Chart 2: Number of plant parts reported by the present study



CONCLUSION

Medicinal plants constitute a vast, undocumented and overexploited economic resource and they are the principal health care resource for the majority of the people. Traditionally, various tribes have been using medicinal plants from time immemorial for the treatment of various types of diseases. This system of medicine plays a very prominent role in healthcare system of the rural people covering all types of ailments. However no work has been carried out so far on the enumeration and status of medicinal plants in vattamalai hills. So we believe that thus the above detailed information will be helpful for the researchers and students for their future research work.

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Table 1: List of medicinal plants with ethnobotanical information

| S.no | Botanical Name | Family | Vernacular Name | Parts Used | Medicinal use |
|------|------------------------------------|-----------------|--|---------------------------|---|
| 1 | <i>Abutilon indicum</i> L | Malvaceae | Tamil: Thuthi; Telugu:Dhuvana kayalu | Bark, Root, Seed | Astringent, Diuretics, Expectorant, Fever, Gonorrhoea, Laxative, Piles |
| 2 | <i>Acalypha Indica</i> L | Euphorbiaceae | Tamil: Kuppai meni; English: Indian acalupha; Hindi: Khokli, Kuppi; Malayalam: Kuppamani; Telugu: Kuppichettu | Plant | Anthelmintic , Anodyne, Diuretics, Cathartic, Expectorant, Laxative, Rheumatoid arthritis Scabies, Snake bite |
| 3 | <i>Achranthes aspera</i> L | Amaranthaceae | Tamil: Chirukadaladi, Naaurivi English: Chirchira, Chirchitta ; Malayalam: Kdaladi ; Telugu: Apamarganu | Root | Anti-inflammatory, Astringent, Haematometra and Haemostatics, Stone in bladder, Tumors |
| 4 | <i>Aerva lanata</i> L | Amaranthaceae | Tamil: Cerupulai, Sirupoolia Hindi: Chaya, Gorakhganga; Malayalam: Cerula; Telugu: Pindicettu | Plant | Astringent, Cough, Diabetes, Diuretic, Emollient, Vermifuge |
| 5 | <i>Alangium salvifolium</i> L | Alangiaceae | Tamil: Alangi; English: Sage leaved Hindi: Angol, Dhera, Dhela Malayalam: Ankelam, Velittondi Telugu: Ankelamu, Udugucetta | Root | Anthelmintic, Astringent, Diuretics, Emollient, Leprosy, Purgative |
| 6 | <i>Albizia amara</i> L | Mimosaceae | Tamil:Munja, Sherkam, Suranji, Unjai, Woomjal, Wunja, Arappu English: Biter albiza; Malayalam: Oosulay, Varacchi, Sulivaka ; Telugu: Chikrveni | Leaves, Seed | Anti-inflammatory, Astringent, Diarrhoea |
| 7 | <i>Azadirachta Indica</i> A. Juss | Meliaceae | Tamil: Veppu, Vempu; English: Neem tree; Hindi: Nim, Nimb; Malayalam: Veppu, Aryaveppu Telugu: Kondavepa, Turakavepa | Bark, leaves | Anthelmintic, Astringent, Bronchodilators, cough, Diabetes, Dyspepsia, Expectorant, Insecticidal, Leprosy, Leucoderma, Ophthalmic preparation, Syphilis, T.B, Tumors Ulcer |
| 8 | <i>Bacopa monnina</i> L | Scropulariaceae | Tamil: Nirbrahmi; English: Centella asiatica, Grarida; Hindi: Jalbrahmi Malayalam: Brahmi; Telugu: Brahmi | Plant | Anodyne, Astringent, Asthma, Bronchodilators, Carminative, Cardio tonic, Constipation, Digestive, Diuretic, Dyspepsia, Epilepsy, Fever, Laxative, Leprosy, Leucoderma, Syphilis, Tumor, Ulcer |
| 9 | <i>Borassus flabellifer</i> L | Arecaceae | Tamil: Karumpanai, Nonkuppanai. English: Palmyrapalm, Brab tree Hindi: Tar, Tal, Tad; Malayalam: Karimpana; Telugu: Taduchettu | Fruits, Root | Anthelmintic, Aphrodisiaae, Constipation, Diuretic, Dyspepsia, Laxative, Leprosy, Sedative, Stomachic |
| 10 | <i>Calotropis procera</i> L | Asclepiadaceae | Tamil: Erukku; English: Gigantic swallow wort, Madar milk weed; Hindi: Madar; Malayalam: Erukku; Telugu: Jilledu | plant | Anthelmintic, Astringent, Asthma, Bronchodilators, Digestive, Dyspepsia, Emetic, Expectorant, Paralysis, Purgative, Stomachic, Tumor |
| 11 | <i>Cardiospermum halicacabum</i> L | Sapindaceae | Tamil: Mudukkottan; English: Ballonvine, Heart pea; Hindi: Kanphuti, Kapalphoti; Malayalam: Ulinna; Telugu: Vekudutiga | Root | Arthritis, Diaphoretic, Diuretic, Emetic, Laxative, Rubefacient, Sedative |
| 12 | <i>Carica papaya</i> L | Caricaceae | Tamil: Pappali; English: Papaya tree Hindi: Papaya; Malayalam: Papaya Telugu: Bappayi | Fruits | Anthelmintic, Anti-inflammatory, Anodyne, Aphrodisiaae, Digestive, Stomachic |
| 13 | <i>Cassia auriculata</i> L | Caesalpiniaceae | Tamil: Avarai; English: Tanners cassia Hindi: Tarval; Malayalam: Aviram Telugu: Tangedu | Seed, Root | Aphrodisiaae, Astringent, Asthma, Constipation, Diarrhoea, Dysentery, Leprosy, Tumor, Ulcer, Worm infection |
| 14 | <i>Catharanthus roseus</i> L | Apocynaceae | Tamil: Sudukadu mallikai; Hindi: Sadabahar; Malayalam: Ushamalari Telugu: Billaganneru | Leaves | Diabetes, Hypertension, Menstrual disorders |
| 15 | <i>Cayratia pedata</i> laux | Vintacea | Tamil: Panikkodi, Tiripatakam, Kattu piranda; Malayalam: Velutta sori valli ; Telugu: Gummadi tige | Plant | Asthma , Bronchodilators, Cough, Diarrhoea, Ulcer |
| 16 | <i>Celosia argenta</i> L | Amarathaceae | | Seed | Hypertension |
| 17 | <i>Cissus quadrangularis</i> L | Vitacea | Tamil: Pirantai, Vajjiravali English: Edible-stemmed vine, Bone setter; Hindi: Hadjod, Hadjora Malayalam: Cannalamparanta Telugu: Nalleru | Plant | Anthelmintic, Anodyne, Aphrodisiaae, Asthma, Carminative, Digestive, Dyspepsia, Epilepsy, Laxative, Leprosy, Ophthalmic preparation, Stomachic, Scurvy |
| 18 | <i>Citrus aurantifolia</i> swingle | Rutaceae | Tamil: Elumichai; English: Lemon, Lime; Hindi: Nimboo; Malayalam: Naranga; Telugu: Nimma kai | Leaves, Fruit, Fruit peel | Aromatherapy, Pain relief |
| 19 | <i>Cleome viscosa</i> L | Capparideaceae | Tamil: Naivelai, Naikkaduku; English: Wild mustard; Hindi: Hurhur; Malayalam: Atunarivela; Telugu: Kukkavaminta | Plant | Anthelmintic, Carminative, Constipation, Diarrhoea, Dyspepsia, Fever, Vermifuge, Worm infestations |
| 20 | <i>Clitoria ternatea</i> L | Fabaceae | Tamil: Kannikkoti; English: Clitoria, Butterfly pea; Hindi: Aparajitha; Malayalam: Samkhupuspar; Telugu: Gilagarnika | Root, Seed | Anthelmintic, Aphrodisiaae, Cathartic, Diuretic, FEVERS, Laxative, Leprosy, Leucoderma, Ophthalmic preparation |
| 21 | <i>Corchorus aestuans</i> L | Tiliaceae | English: White jute; Hindi: Chonch, Hade-kakhet; Telugu: Kajati, Nela Bera, Patta | seed | Anti-inflammatory, Tumor |
| 22 | <i>Crotalaria verrucosa</i> L | Fabaceae | Tamil: Gilugiluppai; English: Blue-Flower Rattlepod; Hindi: Banshana, Jhunjhunna Telugu: Ghelegherinta | Leaves | Dyspepsia, Scabies, impetigo |
| 23 | <i>Cynodon dactylon</i> (L) Pers | Poaceae | Tamil: Arukampillu, Muyal pul; English: Dhubgrass, Bahama grass; Hindi: Dub, Durba Malayalam: Karuka, Karukappullu Telugu: Garicagaddi, Gerike | Plant | Astringent, Cephalagia, Constipation, Diarrhoea, Diuretic, Dysentery, Haematometra and Haemostatics, Leprosy |
| 24 | <i>Cyprus rotundus</i> L | Cyperaceae | Tamil: Korai; English: Umbrella edge Hindi: Motha | Rhizome | Diarrhoea, Dyspepsia, Menstrual disorders |
| 25 | <i>Datura metel</i> L | Solanaceae | Tamil: Vellum-mattai; English: White datura; Hindi: Sadahdhatura | Leaves | Antispasmodic, Anodyne, Asthma, Cough, Sedative |
| 26 | <i>Elephantopus scaber</i> L | Asteraceae | Tamil: Yanaiccuvasi ; Hindi: Gobhi Malayalam: Anayatiyan, Anaccuvati Telugu: Hastikaraka | Flower | Aphrodisiac , Astringent, Bronchodilator, Constipation, Cough, Diuretic, Expectorant |



| S.no | Botanical Name | Family | Vernacular Name | Parts Used | Medicinal use |
|------|---|----------------|---|--------------------|--|
| 27 | <i>Embillica officinalis</i> L | Euphorbiaceae | Tamil: Nelli; English: Embillica, Indian goose berry; Telugu: Usiri | Bark, Fruit, Seed | Astringent, Asthma, Bronchodilator, Carminative, Diabetes, Diarrhoea, Diuretic, Dyspepsia, dysentery, Emetic, Jaundice |
| 28 | <i>Ficus benghalensis</i> L | Moraceae | Tamil: Alamaram; English: Banyan Hindi: Bat, Bargad; Malayalam: Vatarrksam; Telugu: Peddamarri | Plant | Anti-inflammatory, Anodyne, Astringent, Diabetes, Diarrhoea, Diaphoretic, Dysentery, Emetic, Gonorrhoea, Leprosy |
| 29 | <i>Ficus religiosa</i> L | Moraceae | Tamil: Arasu, Asvattam; English: Peepal tree; Hindi: Pippal; Malayalam: Arayal; Telugu: Ravi | Bark, Fruit | Antiviral and Antibacterial, Aphrodisiac, Astringent, Asthma, Digestive, Laxative, Purgative |
| 30 | <i>Hindicusemidemus</i> (L) R.Br | Asclepiadaceae | Tamil: Nannari; English: Indian sarasaparilla; Hindi: Anantamul; Malayalam: Nannari; Telugu: Sugandipala | Root, Leaves, Stem | Astringent, Emollient, Aphrodisiac, Carminative, Anthelmintic, Expectorant, Leprosy, Leucoderma, Asthma, Dysentery, Syphilis |
| 31 | <i>Jatropha curcas</i> L | Euphorbiaceae | Tamil: Kattamanakku; English: Purgiy nut; Hindi: Jungli; Malayalam: Kamnatti; Telugu: Advai-amudamu | Seed | Anthelmintic, Aphrodisiac, Digestive, Insecticide, Rubifacient, Purgative, Scabies, Tumor |
| 32 | <i>Lantana camara</i> L | Verbenaceae | Tamil: Arisimalar; English: Wild sage Hindi: Caturang; Malayalam: Arippu Telugu: Pulikampa | Whole plant | Antispasmodic, Carminative, Diaphoretic, Dysentery, Tumor |
| 33 | <i>Leucas aspera</i> spreng | Lamiaceae | Tamil: Thumbai; English: Thumbe Hindi: Chota halkkusa; Malayalam: Tumpa; Telugu: Tumma cettu | Leaves, Flower | Anthelmintic, Anti-inflammatory, Antiviral and Antibacterial, Carminative, Diabetes, Digestive, Dyspepsia, Expectorant |
| 34 | <i>Ocimum sanctum</i> L | Lamiaceae | Tamil: Karattulaci; English: Holy basil, Scamed; Hindi: Kalatulasi Malayalam: Krishna tulasi; Telugu: Tulasi | Plant | Antispasmodic, Antiviral and Antibacterial, Asthma, Bronchodilator, Carminative, Diaphoretic, Digestive, Diuretic, Expectorant, Jaundice, Stomachic, Vermifuge |
| 35 | <i>Opuntia monacantha</i> L | Cactaceae | Tamil: Sappatukkalli; Hindi: Nagphani; Telugu: Nagajamudu | Stems, Fruits | Anti radical activity, Anti-diabetic |
| 36 | <i>Parthenium hysterophorus</i> L | Asteraceae | English: Bitter weed, Congress grass Hindi: Gajar gaas | Plant | Analgesic, Dysentery |
| 37 | <i>Pedaliium murea</i> L | Pedaliaceae | Tamil: Yanai nerunci, Peru nerunci Hindi: Bara gokhru; Malayalam: Kattu nerinnil, Ananerinnil Telugu: Pedda pelleru | Plant | Anti-inflammatory, Aphrodisiac, Carminative, Digestive, Diuretic, Dyspepsia, Fever |
| 38 | <i>Pergularia daemia</i> (forssk) chiov | Asclepiadaceae | Tamil: Velipparutti; Hindi: Utaran Malayalam: Velipparutti Telugu: Gurticettu | Plant | Anthelmintic, Astringent, Digestive, Dyspepsia, Emetic, Expectorant, Leprosy |
| 39 | <i>Punica granatum</i> L | Puniaceae | Tamil: Madulai; English: Pomegranate; Hindi: Anar; Malayalam: Matalam; Telugu: Danimma | Root, Bark | Anthelmintic, Astringent, Diarrhoea, Jaundice, Syphilis |
| 40 | <i>Phyllanthus maderaspatensis</i> L | Euphorbiaceae | Tamil: Nila nelli Hindi: Hazarmani Telugu: Nalausekeri | Plant | Antispasmodic, Carminative, Diuretic |
| 41 | <i>Physalis minima</i> L | Solanaceae | Tamil: Tottakkali; Hindi: Bandhpariya; Malayalam: Nottanotiyam; Telugu: Kuppante | Leaves | Anti-inflammatory, Diuretic |
| 42 | <i>Sida cordifolia</i> L | Malvaceae | | Plant | Aphrodisiac, |
| 43 | <i>Tecoma stans</i> L | Bignoniaceae | Tamil: Thanga arali, Sonnappaai, Naga sambagam English: Yellow elder, Yellow bells Hindi: Piliya, Pila kaner Telugu: Pachagotla | Plant | Vermifuge, Diabetes, Diuretics |
| 44 | <i>Tephrosia purpurea</i> (L) pers | Fabaceae | Tamil: Kattukkolincai; English: Wild indigo, Purple tephros; Hindi: Sarphomka; Malayalam: Kolinnil; Telugu: Vempali | Plants | Anthelmintic, Anti-inflammatory, Astringent, Asthma, Bronchodilator, Digestive, Dyspepsia, Gonorrhoea, Laxative, Syphilis |
| 45 | <i>Tribulus terrestris</i> L | Zygophyllaceae | Tamil: Nerunjil; English: Small caltrops; Malayalam: Nerunjil Telugu: Pallaruveru | Root, Fruit | Anthelmintic, Anti-inflammatory, Anodyne, Aphrodisiac, Cardio tonic, Digestive, Diuretic, Dyspepsia, Emollient, Rheumatoid arthritis, Scabies |
| 46 | <i>Tridax procumbens</i> L | Asteraceae | Tamil: Thata poodu; Hindi: Ghamma Telugu: Gaddi chamanthi | Leaves | Diarrhoea, Dysentery, |
| 47 | <i>Vernonia cinerea</i> L | Asteraceae | Tamil: Puvamkuruntal naycitti; English: Ash-coloured fleabane; Hindi: Sahedeyi, Sadodi Malayalam: Puvamkuruntala Telugu: Gharitikamini | Whole plants | Anthelmintic, Anti-inflammatory, Anodyne, Antiviral and Antibacterial, Cough, Diarrhoea, Diuretic, Fever, Leprosy, Leucoderma, Stomachic, Tumor |
| 48 | <i>Vicoa indica</i> (L) DC | Asteraceae | Tamil: Jimiki poo, Mookutti, Poondu | Plant | Anti-inflammatory, Fever |
| 49 | <i>Vigna mungo</i> (l) hepper | Fabaceae | Tamil: Ulunthu; Hindi: Urd Malayalam: Ilnu | Seed | Aphrodisiac, Diuretic, Emollient, Laxative, Nervin tonic, |
| 50 | <i>Wrightia tinctoria</i> (Roxb) r.br | Apocynaceae | Tamil: Tontampalai, Veppalai; English: Pala indigo plant; Hindi: Mitaindraju, Dudhi Malayalam: Dentappala, Ayyappala Telugu: Jeddapala, Tedlapala | Seed, Leaves, Bark | Anthelmintic, Anodyne, Astringent, Carminative, Constipation, Diarrhoea, Digestive, Hypertension, Leprosy, Stomachic |
| 51 | <i>Xanthium strumarium</i> L | Asteraceae | Tamil: Maruloomatham; English: Dich bur; Hindi: Banokra; Telugu: Marulummati | Fruits | Diuretic, Sedative, Small-pox, Snake-bite, Tumor |
| 52 | <i>Ziziphus mauritiana</i> Lam | Rhamnaceae | Tamil: Ilantai, Ilatappalam Hindi: Ber, Beri; Malayalam: Lantappalam, Ilanta; Telugu: Gangaegu | Leaves, Root | Anthelmintic, Anodyne, Astringent, Asthma, Cephalalgia, Cough, Diarrhoea, Diaphoretic, Dysentery, Fever, Purgative |



Table 2: Plants and plant parts used in different human diseases

| Disease | Botanical name | Useful part (s) | |
|---------------------------------------|---|---|-------|
| Anthelmintic | <i>Acalypha Indica</i> L | Plant | |
| | <i>Alangium salvifolium</i> L | Root | |
| | <i>Azadirachta Indica</i> A. Juss | Bark | |
| | <i>Azadirachta Indica</i> A. Juss | Leaves | |
| | <i>Borassus flabellifer</i> L | Fruit | |
| | <i>Calotropis procera</i> L | Plant | |
| | <i>Calotropis procera</i> L | Flower | |
| | <i>Carica papaya</i> L | Fruit | |
| | <i>Cissus quadrangularis</i> .L | Plant | |
| | <i>Cleome viscosa</i> L | Plant | |
| | <i>Clitoria ternatea</i> L | Root | |
| | <i>Jatropha curcas</i> L | Seed | |
| | <i>Leucas aspera</i> spreng | Flower | |
| | <i>Pergularia daemia</i> (forssk) chiov | Plant | |
| | <i>Punica granatum</i> L | Root | |
| | <i>Tephrosia purpurea</i> (L) pers | Plant | |
| | <i>Tribulus terrestris</i> L | Root | |
| | <i>Vernonia cinerea</i> L | Plant | |
| | <i>Wrightia tinctoria</i> (Roxb) r.br | Seed | |
| <i>Ziziphus mauritiana</i> Lam | Leaves | | |
| Anti - inflammatory | <i>Achranthes aspera</i> L | Root | |
| | <i>Albizia amara</i> L | Leaves | |
| | <i>Carica papaya</i> L | Fruit | |
| | <i>Corchorus aestuans</i> L | Seed | |
| | <i>Ficus benghalensis</i> L | Plant | |
| | <i>Leucas aspera</i> spreng | Leaves | |
| | <i>Pedaliium murea</i> L | Plant | |
| | <i>Physalis minima</i> L | Leaves | |
| | <i>Tephrosia purpurea</i> (L) pers | Plant | |
| | <i>Tribulus terrestris</i> L | Root | |
| <i>Vernonia cinerea</i> L | Plant | | |
| <i>Vicoa indica</i> (L) DC | Plant | | |
| Analgesic | <i>Parthenium hysterophorus</i> L | Plant | |
| Anti spasmodic | <i>Datura metel</i> L | Leaves | |
| | <i>Lantana camara</i> L | Plant | |
| | <i>Ocimum tenuiflorum</i> L | Leaves | |
| | <i>Pedaliium murea</i> L | Plant | |
| | <i>Physalis minima</i> L | Plant | |
| Anodyne | <i>Azadirachta Indica</i> A. Juss | Plant | |
| | <i>Bacopa monnina</i> L | Plant | |
| | <i>Carica papaya</i> L | Fruit | |
| | <i>Cissus quadrangularis</i> .L | Plant | |
| | <i>Datura metel</i> L | Leaves | |
| | <i>Ficus benghalensis</i> L | Plants | |
| | <i>Tribulus terrestris</i> L | Fruit | |
| | <i>Vernonia cinerea</i> L | Plant | |
| | <i>Wrightia tinctoria</i> (Roxb) r.br | Leaves | |
| | <i>Ziziphus mauritiana</i> Lam | Root | |
| Antiviral & Antibacterial | <i>Albizia amara</i> L | Seed | |
| | <i>Ficus religiosa</i> L | Bark | |
| | <i>Leucas aspera</i> spreng | Flowers | |
| | <i>Ocimum tenuiflorum</i> L | Plant | |
| | <i>Vernonia cinerea</i> L | Plant | |
| Aphrodisiaae | <i>Borassus flabellifer</i> L | Fruit | |
| | <i>Carica papaya</i> L | Fruit | |
| | <i>Cassia auriculata</i> L | Seed | |
| | <i>Cissus quadrangularis</i> .L | Plant | |
| | <i>Clitoria ternatea</i> L | Root | |
| | <i>Elephantopus scaber</i> L | Flower | |
| | <i>Ficus religiosa</i> L | Bark | |
| | <i>Jatropha curcas</i> L | Seed | |
| | <i>Pedaliium murea</i> L | Plant | |
| | <i>Sida cordifolia</i> L | Plant | |
| | <i>Tribulus terrestris</i> L | Fruit | |
| <i>Vigna mungo</i> (l) hepper | Seed | | |
| Arthritis | <i>Cardiospermum haliacabum</i> L | Root | |
| Astringent | <i>Abutilon indicum</i> L | Bark | |
| | <i>Achranthes aspera</i> L | Root | |
| | <i>Aerva lanata</i> L.jurs.ex.schulten | Plant | |
| | <i>Alangium salvifolium</i> L | Root | |
| | <i>Albizia amara</i> L | Seed | |
| | <i>Azadirachta Indica</i> A. Juss | Bark | |
| | <i>Bacopa monnina</i> L | Plant | |
| | <i>Calotropis procera</i> L | Flower | |
| | <i>Cassia auriculata</i> L | Root | |
| | <i>Cynodon dactylon</i> (L) Pers | Plant | |
| | <i>Elephantopus scaber</i> L | Plant | |
| | <i>Embilica officinalis</i> L | Bark | |
| | <i>Embilica officinalis</i> L | Fruit | |
| | <i>Ficus benghalensis</i> L | Plant | |
| | Asthma | <i>Ficus religiosa</i> L | Bark |
| | | <i>Pergularia daemia</i> (forssk) chiov | Plant |
| <i>Punica granatum</i> L | | Bark | |
| <i>Tephrosia purpurea</i> (L) pers | | Plant | |
| <i>Wrightia tinctoria</i> (Roxb) r.b | | Bark | |
| <i>Ziziphus mauritiana</i> Lam | | Bark | |
| <i>Bacopa monnina</i> L | | Plant | |
| <i>Calotropis procera</i> L | | Root | |
| <i>Cassia auriculata</i> L | | Root | |
| <i>Cayratia pedata</i> laux | | Plant | |
| <i>Cissus quadrangularis</i> .L | Plant | | |
| <i>Datura metel</i> L | Leaves | | |
| <i>Embilica officinalis</i> L | Seed | | |
| <i>Ficus religiosa</i> L | Fruit | | |
| <i>Ocimum sanctum</i> L | Plant | | |
| <i>Ocimum tenuiflorum</i> L | Leaf | | |
| <i>Tephrosia purpurea</i> (L) pers | Root | | |
| <i>Ziziphus mauritiana</i> Lam | Leaves | | |
| Bronchodilator | <i>Azadirachta Indica</i> A. Juss | Bark | |
| | <i>Bacopa monnina</i> L | Plant | |
| | <i>Calotropis procera</i> L | Root | |
| | <i>Cayratia pedata</i> laux | Plant | |
| | <i>Elephantopus scaber</i> L | Flower | |
| | <i>Embilica officinalis</i> L | Seed | |
| <i>Ocimum sanctum</i> L | Plant | | |
| <i>Tephrosia purpurea</i> (L) pers | Root | | |
| Cathartic | <i>Acalypha Indica</i> L | Plant | |
| | <i>Clitoria ternatea</i> L | Seed | |
| Caphalagia | <i>Aerva lanata</i> L.jurs.ex.schulten | Plant | |
| | <i>Cynodon dactylon</i> (L) Pers | Plant | |
| | <i>Ziziphus mauritiana</i> Lam | Root | |
| Carminative | <i>Bacopa monnina</i> L | Plant | |
| | <i>Cissus quadrangularis</i> .L | Plant | |
| | <i>Cleome viscosa</i> L | Plant | |
| | <i>Embilica officinalis</i> L | Fruit | |
| | <i>Lantana camara</i> L | Plant | |
| | <i>Leucas aspera</i> spreng | Leaves | |
| | <i>Ocimum tenuiflorum</i> L | Leaves | |
| | <i>Pedaliium murea</i> L | Plant | |
| | <i>Phyllanthus maderaspatensis</i> L | Seed | |
| | <i>Wrightia tinctoria</i> (Roxb) r.br | Seed | |
| Cardio tonic | <i>Bacopa monnina</i> L | Plant | |
| | <i>Tribulus terrestris</i> L | Root | |
| Constipation | <i>Bacopa monnina</i> L | Plant | |
| | <i>Borassus flabellifer</i> L | Fruit | |
| | <i>Cassia auriculata</i> L | Seed | |
| | <i>Cleome viscosa</i> L | Plant | |
| | <i>Cynodon dactylon</i> (L) Pers | Plant | |
| | <i>Elephantopus scaber</i> L | Plant | |
| | <i>Wrightia tinctoria</i> (Roxb) r.br | Bark | |
| Cough | <i>Aerva lanata</i> L.jurs.ex.schulten | Plant | |
| | <i>Azadirachta Indica</i> A. Juss | Bark | |
| | <i>Cayratia pedata</i> laux | Plant | |
| | <i>Datura metel</i> L | Leaves | |
| | <i>Elephantopus scaber</i> L | Flower | |
| | <i>Vernonia cinerea</i> L | Root | |
| <i>Ziziphus mauritiana</i> Lam | Leaves | | |
| Diabetes | <i>Aerva lanata</i> L.jurs.ex.schulten | Plant | |
| | <i>Azadirachta Indica</i> A. Juss | Bark | |
| | <i>Catharanthus roseus</i> (L) | Leaves | |
| | <i>Embilica officinalis</i> L | Fruit | |
| | <i>Ficus benghalensis</i> L | Bark | |
| | <i>Leucas aspera</i> spreng | Leaves | |
| | <i>Tecoma stans</i> L | Plant | |
| Diarrhoea | <i>Albizia amara</i> L | Seed | |
| | <i>Cassia auriculata</i> L | Seed | |
| | <i>Cayratia pedata</i> laux | Leaves | |
| | <i>Cleome viscosa</i> L | Plant | |
| | <i>Cynodon dactylon</i> (L) Pers | Plant | |
| | <i>Cyprus rotundus</i> L | Rhizomes | |
| | <i>Embilica officinalis</i> L | Fruit | |
| | <i>Ficus benghalensis</i> L | Bark | |
| | <i>Punica granatum</i> L | Fruit | |
| | <i>Tridax procumbens</i> L | Leaves | |
| <i>Vernonia cinerea</i> L | Root | | |
| <i>Wrightia tinctoria</i> (Roxb) r.br | Bark | | |
| <i>Ziziphus mauritiana</i> Lam | Bark | | |
| Diaphoretic | <i>Cardiospermum haliacabum</i> L | Root | |
| | <i>Ficus benghalensis</i> L | Plant | |
| | <i>Lantana camara</i> L | Plant | |
| | <i>Ocimum sanctum</i> L | Plant | |
| | <i>Ocimum tenuiflorum</i> L | Leaf | |
| | <i>Xanthium strumarium</i> L | Fruit | |
| | <i>Ziziphus mauritiana</i> Lam | Leaves | |



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|-----------|---|-------------|---|--|--|
| Digestive | <i>Bacopa monnina</i> L | Plant | <i>Ziziphus mauritiana</i> Lam | Root | |
| | <i>Calotropis procera</i> L | Flower | Gonorrhoea | <i>Abutilon indicum</i> L <i>Ficus benghalensis</i> L <i>Tephrosia purpurea</i> (L) pers | Seed Bark Leaves |
| | <i>Carica papaya</i> L | Fruit | Haematometra & haemostatics | <i>Achranthes aspera</i> L <i>Cynodon dactylon</i> (L) Pers | Root Plant |
| | <i>Cissus quadrangularis</i> .L | Plant | Hypertension | <i>Catharanthus roseus</i> (L) <i>Celosia argenta</i> L <i>Wrightia tinctoria</i> (Roxb) r.br | Root Seed Leaves |
| | <i>Ficus religiosa</i> L | Fruit | Impetigo | <i>Crotalaria verrucosa</i> L | Leaves |
| | <i>Jatropha curcas</i> L | Seed | Insecticidal | <i>Azadirachta Indica</i> A. Juss <i>Azadirachta Indica</i> A. Juss <i>Jatropha curcas</i> L | Root Seed Leaves |
| | <i>Leucas aspera</i> spreng | Flower | Jaundice | <i>Embillica officinalis</i> L <i>Ocimum tenuiflorum</i> L <i>Punica granatum</i> L | Fruit Fruit Leaf |
| | <i>Ocimum sanctum</i> L | Plant | Laxative | <i>Abutilon indicum</i> L <i>Acalypha Indica</i> L <i>Bacopa monnina</i> L <i>Borassus flabellifer</i> L <i>Cardiospermum halicacabum</i> L <i>Cissus quadrangularis</i> .L <i>Clitoria ternatea</i> L <i>Ficus religiosa</i> L <i>Tephrosia purpurea</i> (L) pers <i>Vigna mungo</i> (l) hepper | Seed Leaves Plant Fruit Root Plant Root Fruit Plant Seed |
| | <i>Pedaliium murea</i> L | Plant | Leprosy | <i>Alangium salvifolium</i> L <i>Albizia amara</i> L <i>Azadirachta Indica</i> A. Juss <i>Azadirachta Indica</i> A. Juss <i>Bacopa monnina</i> L <i>Borassus flabellifer</i> L <i>Cassia auriculata</i> L <i>Cissus quadrangularis</i> .L <i>Clitoria ternatea</i> L <i>Cynodon dactylon</i> (L) Pers <i>Ficus benghalensis</i> L <i>Pergularia daemia</i> (forssk) chiov <i>Vernonia cinerea</i> L <i>Wrightia tinctoria</i> (Roxb) r.br | Root Seed Oil Bark Leaves Plant Fruit Root Plant Plant Leaves Leaves Root Bark |
| | <i>Pergularia daemia</i> (forssk) chiov | Fruit | Leucoderma | <i>Albizia amara</i> L <i>Azadirachta Indica</i> A. Juss <i>Azadirachta Indica</i> A. Juss <i>Bacopa monnina</i> L <i>Clitoria ternatea</i> L <i>Vernonia cinerea</i> L | Seed Oil Bark Leaves Plant Root Seed |
| | <i>Tephrosia purpurea</i> (L) pers | Plant | Menstrual disorders | <i>Catharanthus roseus</i> (L) <i>Cyprus rotundus</i> L <i>Pergularia daemia</i> (forssk) chiov | Leaves Rhizomes Plant |
| | <i>Tribulus terrestris</i> L | Root | Nervine tonic | <i>Vigna mungo</i> (l) hepper | Seed |
| | <i>Wrightia tinctoria</i> (Roxb) r.br | Seed | Ophthalmic preparation | <i>Azadirachta Indica</i> A. Juss <i>Cissus quadrangularis</i> .L <i>Clitoria ternatea</i> L <i>Elephantopus scaber</i> L | Leaves Plant Root Flower |
| | | Dyspepsia | <i>Calotropis procera</i> L <i>Bacopa monnina</i> L <i>Borassus flabellifer</i> L <i>Calotropis procera</i> L <i>Cissus quadrangularis</i> .L <i>Cleome viscosa</i> L <i>Crotalaria verrucosa</i> L <i>Cyprus rotundus</i> L <i>Embillica officinalis</i> L <i>Leucas aspera</i> spreng <i>Pedaliium murea</i> L <i>Pergularia daemia</i> (forssk) chiov <i>Tephrosia purpurea</i> (L) pers <i>Tribulus terrestris</i> L | Bark Plant Fruit Root Plant Plant Leaves Rhizome Fruit Leaves Plant Fruit Root Root | |
| | | Dysentery | <i>Cassia auriculata</i> L <i>Cynodon dactylon</i> (L) Pers <i>Embillica officinalis</i> L <i>Ficus benghalensis</i> L <i>Parthenium hysterophorus</i> L <i>Tridax procumbens</i> L <i>Ziziphus mauritiana</i> Lam | Seed Plant Fruit Bark Plant Leaves Bark | |
| | | Emetics | <i>Calotropis procera</i> L <i>Cardiospermum halicacabum</i> L <i>Embillica officinalis</i> L <i>Ficus benghalensis</i> L <i>Pergularia daemia</i> (forssk) chiov | Flower Fruit Fruit Plant Plant | |
| | | Emollient | <i>Aerva lanata</i> L.jurs.ex.schulten <i>Alangium salvifolium</i> L <i>Tribulus terrestris</i> L <i>Vigna mungo</i> (l) hepper | Plant Root Root Seed | |
| | | Epilepsy | <i>Bacopa monnina</i> L <i>Cissus quadrangularis</i> .L | Plant Plant | |
| | | Expectorant | <i>Abutilon indicum</i> L <i>Acalypha Indica</i> L <i>Azadirachta Indica</i> A. Juss <i>Calotropis procera</i> L <i>Elephantopus scaber</i> L <i>Leucas aspera</i> spreng <i>Ocimum sanctum</i> L <i>Ocimum tenuiflorum</i> L <i>Pergularia daemia</i> (forssk) chiov | Seed Plant Bark Plant Flower Leaves Plant Leaf Leaf | |
| | | Fever | <i>Abutilon indicum</i> L <i>Bacopa monnina</i> L <i>Cardiospermum halicacabum</i> L <i>Cleome viscosa</i> L <i>Clitoria ternatea</i> L <i>Pedaliium murea</i> L <i>Vernonia cinerea</i> L <i>Vicoa indica</i> (L) DC | Root Plant Root Plant Root Plant Flower Plant | |
| | | | <i>Crotalaria verrucosa</i> L <i>Jatropha curcas</i> L <i>Tribulus terrestris</i> L | Leaves Leaves Fruit | |
| | | | <i>Borassus flabellifer</i> L <i>Cardiospermum halicacabum</i> L <i>Datura metel</i> L <i>Xanthium strumarium</i> L | Fruit Plant Leaves Fruit | |
| | | | <i>Xanthium strumarium</i> L | Fruits | |
| | | | <i>Acalypha Indica</i> L <i>Xanthium strumarium</i> L | Leaves Plant | |
| | | | <i>Achranthes aspera</i> L <i>Aerva lanata</i> L.jurs.ex.schulten | Root Flower | |
| | | | <i>Borassus flabellifer</i> L <i>Calotropis procera</i> L <i>Carica papaya</i> L <i>Cissus quadrangularis</i> .L | Fruit Fruit Fruit Plant | |



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| | <i>Corchorus aestuans</i> L <i>Ocimum sanctum</i> L <i>Ocimum tenuiflorum</i> L <i>Vernonia cinerea</i> L <i>Wrightia tinctoria</i> (Roxb) r.br | Seed Plant Leaf Plant Bark |
| Syphilis | <i>Azadirachta Indica</i> A. Juss <i>Bacopa monnina</i> L <i>Punica granatum</i> L <i>Tephrosia purpurea</i> (L) pers | Bark Plant Seed Leaves |
| Tuberculosis | <i>Azadirachta Indica</i> A. Juss | Leaves |
| Tumors | <i>Achranthes aspera</i> L <i>Albizia amara</i> L <i>Azadirachta Indica</i> A. Juss <i>Bacopa monnina</i> L <i>Calotropis procera</i> L <i>Cassia auriculata</i> L <i>Corchorus aestuans</i> L <i>Jatropha curcas</i> L <i>Lantana camara</i> L <i>Vernonia cinerea</i> L <i>Xanthium strumarium</i> L | Root Seed Bark Plant Flower Root Plant Leaves Fruit Plant Root |
| Ulcer | <i>Azadirachta Indica</i> A. Juss <i>Bacopa monnina</i> L <i>Cassia auriculata</i> L <i>Cayratia pedata</i> laux <i>Ficus benghalensis</i> | Bark Plant Leaves Leaves Leaves |
| Vermifuge | <i>Aerva lanata</i> L.jurs.ex.schulten <i>Cleome viscosa</i> L <i>Ocimum sanctum</i> L <i>Tecoma stans</i> L | Plant Plant Plant Root |
| Worm infection | <i>Cassia auriculata</i> L <i>Cleome viscosa</i> L <i>Leucas aspera</i> spreng | Seed Plant Leaves |

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