

**1. Studies on the medicinal plants used by the malayali tribes of kolli hill in Tamilnadu 2013 by Natarajan et al.**

**(A sum of 83 plant species belonging to 76 genera and 41 families)**

**Table 1: List of Ethnomedicinal Plants used by the Malayali Tribes of Kolli Hill**

Botanical name and common names of medicinal plants and their respective families	Vernacular names (Tamil name)	Part(s) used	Mode of preparation of medicines	Corresponding diseases
<i>Abrus precatorius</i> L. (Crab's Eye) Fabaceae	Kundumani	Root	Paste (E)	Jaundice
<i>Abutilon indicum</i> L.Sweet. (Country Mallow) Malvaceae	Thutthi	Leaf and Fruit	Juice (I)	Piles
<i>Acacia leucophloea</i> (Roxb.) Wild. (White Babul) Mimosaceae	Vellavelan	Bark	Paste (E)	Skin diseases
<i>Acalypha indica</i> L. (Indian Acalypha) Euphorbiaceae	Kuppaimeni	Leaf	Paste (E)	Scabies
<i>Achyranthes aspera</i> Blume. (Prickly Chaff Flower) Amaranthaceae	Naayuruvi	Leaf and Stem	Paste (E)	Wound
<i>Acorus calamus</i> L. (Sweet Flag) Araceae	Vasambu	Rhizome	Paste (I)	Stomachache
<i>Aegle marmelos</i> (L.) Correa ex Roxb (Vilvam) Rutaceae	Bael tree	Half-ripe fruits	Decoction (I)	Diabetes
<i>Alangium salviifolium</i> L.f. (Sage- Leaf Alangium) Alangiaceae	Alangi	Root bark	Decoction (I)	Fever

<i>Allium cepa</i> L. (Onion) Liliaceae	Venkayam	Underground bulb	Paste (E)	Headache
<i>Aloe vera</i> (L.) Burm.f. (Indian Aloe) Liliaceae	Sotthukatthalai	Leaf	Paste (I)	Body cooling
<i>Alpinia officinarum</i> Hance. (Lesser Galangal) Zingiberaceae	Chitrattai	Rhizome	Powder (I)	Phlem
<i>Alternanthera sessilis</i> (L.) R.Br.exDc. (Alligator Weed) Amaranthaceae	Ponnonkanni	Stem and Leaves	Juice (I)	Snake bite
<i>Amaranthus spinosus</i> L. (Prickly Amaranth) Amaranthaceae	Mullukeerai	Leaf	Decoction (I)	Stomachache
<i>Andrographis paniculata</i> (Burm.f.) Wall. (Creat) Acanthaceae	Nilavembu	Whole plant	Powder (I)	Diabetes
<i>Aristolochia bracteolata</i> Lam. (Braeteated Birthwort) Aristolochiaceae	Aaduthinna chedi	Leaf	Paste (E)	Fungal diseases
<i>Aristolochia tagala</i> Cham. (Birthwort) Aristolochiaceae	Keradalum	Whole plant	Paste (I)	Stomachache
<i>Artemisia nilagirica</i> (C.B. Clarke) Pamp. (Indian Wormwood) Asteraceae	Masipattari	Leaf	Juice (I)	Antileprotic
<i>Asparagus racemosus</i> Willd. (Wild Asparagus) Asparagaceae	Thanneervitan-kizhangu	Tuber	Juice (I)	Digestion
<i>Azadirachta indica</i> A. Juss. (Neem Tree) Meliaceae	Vembu	Leaf	Paste (E)	Small pox
<i>Azima tetracantha</i> Lam. (Needle Bush)	Sangumullu	Root	Paste (E)	Wound

Salvadoraceae

<i>Bambusa arundinacea</i> (Retz.) Willd. (Bamboo) Poaceae	Moongil	Leaf	Paste (E)	Body cooling
<i>Cardiospermum halicacabum</i> L. (Balloon Vine) Sapindaceae	Mudukottan	Leaf	Decoction (I)	Joint pain
<i>Calendula officinalis</i> L. (Calendula) Asteraceae	Marikollundhu	Flower	Juice (I)	Stomachache
<i>Calotropis gigantea</i> (L.) R. Br. (Bowstring Hemp) Asclepiadaceae	Erukku	Latex	Latex (E)	Scorpion sting
<i>Caesalpinia bonducella</i> (L.) Flem. (Fever Nut) Caesalpiniaceae	Kazharchikkaai	seed	Juice (I)	Diuretic
<i>Carica papaya</i> L. (Papaya) Caricaceae	Pappaali	Latex	Latex (I)	Scorpion sting
<i>Cassia auriculata</i> L. (Tanner's Cassia) Caesalpiniaceae	Avaaram	Leaf	Paste (I)	Body cooling
<i>Cassia tora</i> L. (Sickleenna) Caesalpiniaceae	Thagarai	Leaf and Seed	Paste (E)	Skin disease
<i>Catharanthus roseus</i> (L.) G. Don. (Madagascar Periwinkle) Apocynaceae	Nithya kalyani	Plant	Juice (I)	Anticancer
<i>Centella asiatica</i> (L.) Urban. (Asiatic Pennywort) Apiaceae	Vallarai	Leaf	Paste (I)	Fever
<i>Cinnamomum tamala</i> Nees & Eberm. (Indian Cassia.) Lauraceae	Lavangapatri	Leaf and Bark	Decoction (I)	Diaphoretic
<i>Cinnamomum zeylanicum</i> Breyn. (Cinnamon)	Pattai	Bark	Decoction (I)	Stimulant

Lauraceae

<i>Cissus quadrangularis</i> L. (Adament vine) Vitaceae	Perandai	Shoot and leaf	Fresh (I)	Stimulate
<i>Citrus aurantifolia</i> (Christ.) Swingle. (Country Lime) Rutaceae	Thurinjippazham	Ripe skin	Fresh (E)	Body cooling
<i>Citrus limon</i> (L.) Burm. f. (Lemon) Rutaceae	Elumichai	Ripe skin	Fresh (E)	Skin disease
<i>Clerodendrum serratum</i> (Linn.) Moon. (Butterfly Pea) Verbenaceae	Sirutekku	Leaf and Root	Decoction (I)	Stimulant
<i>Coleus aromaticus</i> Benth. (Indian Borage) Lamiaceae	Karpuravalli	Leaf	Juice (I)	Urinary diseases
<i>Cynodon dactylon</i> (L.) Pers.(Bermudagrass) Poaceae	Arugampullu	Whole plant	Paste (E)	Rheumatism
<i>Datura metel</i> L. (Dhatura) Solanaceae	Karuoomatthai	Leaf	Paste (E)	Swelling
<i>Delonix elata</i> L. (White Gulmohur) Caesalpiniaceae	Vadanarayan	Young twig	Juice (I)	Cold
<i>Dipteracanthus patulus</i> Jacq. Acanthaceae	Surawangi	Leaf and Stem	Paste (E)	Swelling
<i>Drymaria cordata</i> L. (Tropical chickweed) Caryophyllaceae	Puliarai	Leaf	Paste (I)	Headache
<i>Eclipta prostrata</i> L. (Eclipta) Asteraceae	Karisalankanni	Leaf	Paste (E)	Hairdose
<i>Enicostema axillare</i> Lam. Gentianaceae	Vellaragu	Leaf	Paste (I)	Stomachache

<i>Euphorbia hirta</i> L. (Euphorbia) Euphorbiaceae	Ammanpacharisi	Whole plant	Paste (E)	Wound
<i>Gadenia gummifera</i> L. (Gummy Gardenia) Rubiaceae	Kambil	Resin	Resin (E)	Headache
<i>Gloriosa superba</i> L. (Super Lilly) Liliaceae	Kalappaih kilangu	Leaf	Powder (E)	Skin disease
<i>Glycyrrhiza glabra</i> Linn. (Licorice) Fabaceae	Athimathuram	Root	Decoction (I)	Ulcer
<i>Gymnema sylvestre</i> (Retz) R. Br. (Ipecacuanha) Asclepiadaceae	Sirukurinja	Leaf and Root	Decoction (I)	Diabetes
<i>Hemidesmus indicus</i> (L.) R.Br. (Indian Sarsaparilla) Asclepiadaceae	Nannari	Root	Juice (I)	Fever
<i>Hibiscus abelmoschus</i> Linn. (Musk Seed) Malvaceae	Kasturi vendai	Flower	Paste (E)	Skin disease
<i>Hibiscus rosa-sinensis</i> L. (Chinese Hibicus) Malvaceae	Sembarutthi	Leaf and Flower	Paste (E)	Hairdose
<i>Kalanchoe pinnata</i> Lam. Pers. (Air plant) Crassulaceae	Kuttipodum chedi	Leaf	Decoction (I)	Body cooling
<i>Lantana camara</i> L. (Lantana) Verbenaceae	Unnichedi	Leaf	Paste (E)	Wound
<i>Leucas aspera</i> (Willd.) Link. (Common Leucas) Lamiaceae	Thumbai	Leaf	Paste (I)	Headache
<i>Madhuca longifoila</i> (L.) JFMacbr. (South Indian Mahuna) Sapotaceae	Ellupai	Leaf	Paste (E)	Skin disease
<i>Mimosa pudica</i> L.	Thottalsurungi	Leaf	Paste (E)	Cold

(Sensitive- Plant)  
Mimosaceae

*Mucuna pruriens* (Linn.) DC.  
(Cowhage)  
Fabaceae

Poonai kali

Seed

Powder (I)

Urinary  
diseases

*Musa paradisiaca* L.  
(Banana)  
Musaceae

Valaimaram

Skin bark

Juice (I)

Stone disorder

*Nerium oleander* L.  
(Oleander)  
Apocynaceae

Aralli

Seed

Paste (E)

Poisonous

*Ocimum basilicum* L.  
(Sweet Basil)  
Lamiaceae

Tiruneetruppachh  
ilai

Whole plant

Decoction (I)

Cold

*Ocimum sanctum* L.  
(Tulsi)  
Lamiaceae

Thulasi

Leaf

Juice (I)

Cold

*Pergularia daemia* (Forssk.) Chiov.  
(Trellis-Vine)  
Asclepiadaceae

Veliparutthi

Leaf

Powder (E)

Cough and  
chest pain

*Phyllanthus amarus* Schum. &  
Thonn.  
(Stone Breaker)  
Euphorbiaceae

Keelanelli

Leaf

Paste (I)

Jaundice

*Piper longum* L.  
(Long Pepper)  
Piperaceae

Thippili

Seed

Decoction (I)

Fever

*Piper nigrum* L.  
(Black Pepper)  
Piperaceae

Milaku

Seed

Paste (I)

Fever

*Pluchea indica* (L.) Less.  
(Indian Camphorweed)  
Asteraceae

Andhimandari

Seed and  
Flower

Paste (I)

Body cooling

*Plumbago zeylanica* L.  
(White Leadwort)  
Plumbaginaceae

Chittramoolam

Latex

Latex (E)

Ophphalmia

<i>Pterocarpus marsupium</i> Roxb. (Indian Kinotree) Fabaceae	Vengaimaram	Stem bark	Decoction (I)	Stomachache
<i>Punica granatum</i> L. (Pomegranate) Punicaceae	Madhulai	Bark	Paste (E)	White low
<i>Rauvolfia serpentine</i> L. (Snake Root) Apocynaceae	Sarpagandha	Root	Paste (E)	Snake bite
<i>Rubia cordifolia</i> Linn. (Indian Madder) Rubiaceae	Sevalaikodi	Stem and Root	Powder (I)	Diabetes
<i>Santalum album</i> L. (Sandal Tree) Santalaceae	Santhanam	Stem	Paste (E)	Body cooling
<i>Sida cordifolia</i> L. (Country Mallow) Malvaceae	Valvaluppaichadi	Leaf	Paste (E)	Body cooling
<i>Solanum surattense</i> Burm.f. (Yellow Berried Nightshade) Solanaceae	Kandankattiri	Fruit	Paste (I)	White low
<i>Solanum trilobatum</i> L. (Purple Fruited Pea Eggplant) Solanaceae	Toothuvilai	Leaf	Powder (I)	Cold
<i>Sonchus oleraces</i> L. (Milk Thistle) Asteraceae	Karpooravalli	Leaf	Paste (E)	Skin disease
<i>Strychnos nux-vomica</i> L. (Nux Vomica) Loganiaceae	Etti	Fruit	Decoction (I)	Wound
<i>Tephrosia purpurea</i> (L.) Pers. (Purple Tephrosia) Fabaceae	Kolingi	Root	Paste (I)	Stomachache
<i>Terminalia bellirica</i> Roxb. (Belliric) Combretaceae	Thanrikkaai	Seed	Powder (I)	Dysentery

<i>Terminalia chebula</i> Retz. (Chebulic) Combretaceae	Kadukkai	Seed	Decoction (I)	Digestive disorder
<i>Tribulus terrestris</i> L. (Gokshura) Zygophyllaceae	Nerunchi	Whole plant	Powder (E)	Fever
<i>Tridax procumbens</i> L. (Tridax) Asteraceae	Vettukaya poondu	Leaf and root	Paste (E)	Wound

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E-External application

I-Internal application



## 2. Ethnomedicinal Uses of Pteridophytes in Kolli Hills, Eastern Ghats of Tamil Nadu (2011) by Karthik *et al.*

(30 species belonging to 16 families distributed in 27 genera).

Table 1. List of ethnomedicinally important Pteridophytes in Kolli hills of Eastern Ghats, Tamil Nadu, India

Botanical Name	Family	Local Name	Medicinal Uses
<i>Actiniopteris radiata</i> (Sw.) Link.	Pteridaceae	Saava sedi, Korai panai	The juice extracted from the stem is taken orally twice a day to treat diarrhoea and fever.
<i>Adiantum capillaris-veneris</i> L.	Pteridaceae	Roaddu Keerai	The whole plant is made into a paste along with aloe gel and applied externally in the affected places to treat cuts and wounds. The paste is also used as hair tonic by applied on head.
<i>Adiantum lunulatum</i> Burm. f.	Pteridaceae	Roaddu Keerai, Pachai Keerai	The whole plant is ground into a paste with turmeric and applied over the affected places to treat pimples and wounds; The whole plant is boiled with water and the decoction is applied externally on the affected places to get relief from body pain and chest ache.
<i>Angiopteris evecta</i> (G.Forst.) Hoffm.	Marattiaceae	Yanai vanagi	Decoction obtained from the leaf is taken orally along with lemon juice to treat intestinal ulcer and stomachache.
<i>Blechnum orientale</i> L.	Blechnaceae	-	Juice extracted from the leaf is used to cure intestinal wounds; the paste made from the rhizome is used to cure urinary bladder.
<i>Botrychium lanuginosum</i> Wall. ex Hook. & Grev.	Ophioglossaceae	Nandu Kuddhi	Shade dried whole plant parts are ground with the seeds of pepper and cumin seeds and taken orally to get relief from body pain. Leaves are boiled with water and ground into paste and applied over the affected places to heal wounds.
<i>Ceratopteris thalictroides</i> (L.) Brongn.	Pteridaceae	-	The whole plant parts are ground into paste and mixed with turmeric. The mixture is applied over the affected places to treat cure skin diseases and wounds.
<i>Cheilanthes tenuifolia</i> (Burm.f.) Sw.	Pteridaceae	-	Juice obtained from the leaves is mixed with hot water and taken orally along with honey to treat throat pain.
<i>Christella parasitica</i> (L.) Lev.	Thelypteridaceae	-	The juice obtained from the leaf is taken orally to treat swellings.
<i>Dicranopteris linearis</i> (Burm.f.) Und.	Gleichiniaceae	-	The rhizome is made into a paste and taken orally to cure asthma.
<i>Diplazium esculentum</i> (Retz.) Sw.	Athyriaceae	-	Handful of leaves are made into juice and taken orally twice a day to get relief from cold and cough.
<i>Drynaria quercifolia</i> (L.) J. Sm.	Polypodiaceae	Aattukal kizhangu	Skin removed rhizome is made into a paste and boiled with pepper, cumin seeds, onion and garlic along with water. The mixture thus obtained is taken orally to get relief from body pain, knee pain and joint pain.
<i>Hemionitis arifolia</i> (Burm.) Moore.	Pteridaceae	Kambithamarai	Root is mixed with turmeric ground into paste. The mixture is applied over the affected places to cure cuts, wounds, body pains and swellings.
<i>Huperzia phlegmaria</i> (L.) Rothm.	Lycopodiaceae	Easwaran/ Easwari sadai	The whole plant is ground into a paste and applied over wounds; tribal people used this plant as a religious plant and

			they kept the plant in their pooja room and they believe that the plant will cure their body sickness.
<i>Leucostegia immersa</i> Wall. ex C. Presl.	Dryopteridaceae	-	The rhizome is mixed with water and turmeric and made into a paste. The mixture is tied with cloth over the affected places to treat swellings.
<i>Lycopodium cernuum</i> var. <i>panamense</i>	Lycopodiaceae	-	The juice made from the whole plant is mixed with honey and cow's milk and given orally to children to get relief from cough and cold. Paste made from the whole plant is applied over the affected places to heal wounds.
<i>Lygodium microphyllum</i> (Cav.) R. Br.	Lygodiaceae	Mullu Kodi, Kokki Kodi	Leaf is ground into paste with turmeric and applied over the affected places to heal wounds; Juice made from the plant is taken orally along with pepper to get relief from cough.
<i>Marsilea quadrifolia</i> L.	Marsileaceae	Aarakkeerai	Handful of leaves are mixed with pepper and garlic and ground into paste. The paste is taken orally to treat cold and cough. The paste is mixed with turmeric and applied over the affected places to cure skin diseases.
<i>Microsorium punctatum</i> (L.) Copel.	Polypodiaceae	Nundu Kuddhi	Leaf is ground into juice applied over the affected places twice a day with hot water to heal wounds.
<i>Nephrolepis auriculata</i> (L.) Trimen	Davalliaceae	-	Leaf is ground into paste with pepper and taken orally twice a day to get relief from cough.
<i>Pityrogramma calomelanos</i> (L.) Link.	Pteridaceae	-	Whole plant parts are boiled with water and the decoction thus obtained is taken orally early in the morning to treat kidney problem, fever, cough and cold. Rhizome is ground into juice and taken orally to treat asthma.
<i>Polypodium vulgare</i> L.	Polypodiaceae	-	The rhizome and leaves are mixed and made into a paste and applied over the affected places to treat swellings.
<i>Psilotum nudum</i> (L.) P. Beauv.	Psilotaceae	-	Whole plant parts are soaked in water for an hour and the decoction thus obtained is mixed with turmeric and applied over the affected places to heal wounds.
<i>Pteris biaurita</i> L.	Pteridaceae	Nandu Kuddhi	The rhizome is ground into paste and applied over the affected places to get relief from body pain.
<i>Pteris cretica</i> L.	Pteridaceae	Nandu Kuddhi	The paste made from the leaf is tied with cloth and applied over the affected places to heal wounds.
<i>Pteris vittata</i> L.	Pteridaceae	Yanai vanaji	The whole plant parts are ground into paste and applied over the affected places for wound healing. The paste is mixed with pepper and taken orally to get relief from cold, cough and fever.
<i>Pyrrosia lanceolata</i> (L.) Farw.	Polypodiaceae	-	Leaf is made into paste with pepper and taken orally to treat sore throat and itching.
<i>Selaginella tenera</i> (Hook. et Grev.) Spring	Seleginellaceae	-	The whole plant parts are ground into paste and applied over the affected places get relief from body pain and swellings.
<i>Tectaria coadunata</i> (Wall. ex Hook. & Grev.) C. Chr.	Tectariaceae	-	The root is mixed with pepper and cumin seeds and boiled with water. The decoction thus obtained is taken orally twice a day to cure asthma; the juice made from the root is applied over the wound to heal soon; the juice made from the leaves is taken orally to treat stomachache.
<i>Vittaria elongata</i> Sw.	Pteridaceae	-	The leaf is ground into a paste and applied over the affected places to get relief from knee pain and therapeutic pain.

### 3. Ethnobotanical Survey of Medicinal Plants Used by Malayali Tribes in Yercaud Hills of Eastern Ghats, India in 2013 by Senthilkumar *et al*

(90 species distributed in 80 genera belonging to 44 families)

**Table 2:** List of commonly used medicinal plants by Malayali tribes in Yercaud hills, India

Botanical name, (Family), Voucher specimen number	Local name	Life form	Part (s) used	Ailment treated	Preparation	Application
<i>Abrus precatorius</i> L. (Fabaceae) SEN - 114	Kundumani	Climber	Seeds	Abortion	Powder	Oral
<i>Acacia pennata</i> (L.) Willd. (Mimosaceae) SEN - 182	Kattuchikai	Tree	Stem bark	Diarrhoea	Decoction	Oral
<i>Achras zapota</i> (L.) P. Royen. (Sapotaceae) SEN - 170	Sappoda	Tree	Fruit	Stomach pain	Raw	Oral
<i>Achyranthes aspera</i> L. (Amaranthaceae) SEN - 198 *	Nayuruvi	Shrub	Root	Tooth ache	Paste	Oral
<i>Acorus calamus</i> L. (Araceae) SEN - 202	Vasambu	Herb	Rhizome	Stomach problems	Decoction	Oral
<i>Aerva lanata</i> (L.) Juss. (Amaranthaceae) SEN - 135	Pooli poo	Herb	Flowers	Menstrual problems	Decoction	Oral
<i>Ageratum conyzoides</i> Mill. (Asteraceae) SEN - 183	Naththa poondu	Herb	Whole plant	Inflammation	Paste	Topical
<i>Albizia amara</i> (Roxb). Boivin. (Mimosaceae) SEN - 185	Unja maram	Tree	Stem bark	Inflammation	Paste	Oral
<i>Allium cepa</i> L. (Liliaceae) SEN - 198	Vengayam	Herb	Tuber	Body swelling	Paste	Topical
<i>Andrographis echioides</i> (L.) Nees in Wall. (Acanthaceae) SEN - 106 *	Goburamthanki	Herb	Leaves	Tooth pain	Paste	Oral
<i>Andrographis paniculata</i> (Burm.f.) Wall. (Acanthaceae) SEN - 205	Nagamalli	Herb	Roots	Snake bite	Powder	Oral
<i>Aristolochia bracteolata</i> Lam. (Aristolochiaceae) SEN - 193	Adu thenna palli	Climber	Leaves	Scorpion bite	Paste	Topical
<i>Artocarpus heterophyllus</i> Lam. (Moraceae) SEN - 110 *	Palamaram	Tree	Latex	Animal bite	Raw	Topical
<i>Asclepias curassavica</i> L. (Asclepiadaceae) SEN - 154	-	Herb	Latex	Inflammation	Raw	Oral
<i>Asparagus racemosus</i> L. (Liliaceae) SEN - 105	Thanneervittan kilangu	Climber	Tuber	Snake bite	Paste	Topical
<i>Azadirachta indica</i> A. Juss. (Meliaceae) SEN - 169	Vepamaram	Tree	Leaves	Skin diseases	Paste	Oral
<i>Begonia malabarica</i> Lam. (Begoniaceae) SEN - 125	Sengurunthu	Shrub	Stem	Wounds	Juice	Topical

Botanical name, (Family), Voucher specimen number	Local name	Life form	Part (s) used	Ailment treated	Preparation	Application
<i>Bambusa arundinacea</i> (Retz.) Roxb. (Bambusaceae) SEN – 203 *	Mungle	Shrub	Stem	Indigestion	Raw	Oral
<i>Blepharis maderaspatensis</i> (L.) Heyne (Acanthaceae) SEN – 127	Nalalai mantheri	Herb	Leaves	Cuts and wounds	Juice	Topical
<i>Cajanus cajan</i> (L.) Mill. (Fabaceae) SEN – 149	Tuvarai	Shrub	Leaves	Scorpion bite	Paste	Topical
<i>Calotropis gigantea</i> (L.) R. Br. (Asclepiadaceae) SEN – 194	Erukku	Shrub	Leaves	Swellings	Paste	Topical/oral
<i>Calotropis procera</i> (Ait.) R. Br. (Asclepiadaceae) SEN – 199	Vellarukku	Shrub	Latex	Scorpion bite	Raw	Topical
<i>Canthium parviflorum</i> Lam. (Rubiaceae) SEN – 134	Karakai	Shrub	Leaves	Rheumatism	Paste	Topical
<i>Cardiospermum halicacabum</i> L. (Sapindaceae) SEN – 159 *	Mudakkuthan	Climber	Leaves, roots	Head ache	Decoction	Oral
<i>Carica papaya</i> L. (Caricaceae) SEN – 165	Pappali	Shrub	Latex, Fruits	Swellings	Paste/raw	Oral
<i>Cassia fistula</i> L. (Fabaceae) SEN – 141	Konnai	Tree	Leaves, Bark	Snake bite	Paste	Topical
<i>Cassia occidentalis</i> L. (Fabaceae) SEN – 113	Satty thuvurai	Shrub	Leaves	Skin diseases	Paste	Oral
<i>Centella asiatica</i> (L.) Urban (Apiaceae) SEN – 120	Vallarai	Herb	Leaves	Induce memory	Raw	Oral
<i>Cissus quadrangularis</i> L. (Vitaceae) SEN – 181	Pirandai	Climber	Stem	Bone fracture	Paste	Oral
<i>Citrus medica</i> L. (Rutaceae) SEN – 161	Elumitchi	Shrub	Fruit	Thumb swellings	Juice	Oral
<i>Cleome monophylla</i> L. (Cleomaceae) SEN – 123	-	Herb	Leaves	Earache	Juice	Oral
<i>Cleome pentaphylla</i> L. (Cleomaceae) SEN – 157	Nallavelai	Herb	Leaves	Earache	Juice	Oral
<i>Coccinia grandis</i> L. (Cucurbitaceae) SEN – 108	Kovakkai	Climber	Leaves, Fruit	Diabetes	Juice/raw	Oral
<i>Cocculus hirsutus</i> (L.) Diels (Menispermaceae) SEN – 117	Kattu kodi	Climber	Leaves	Stomach pain	Paste	Topical
<i>Colocasia esculenta</i> (L.) Schott. (Araceae) SEN – 204	Sembu	Herb	Leaves, Tuber	Reduce body heat	Raw	Oral

<i>Corallocarpus epigeaus</i> (Rottl. & Willd.) Clarke (Cucurbitaceae) SEN – 177 *	Agasagarudan	Climber	Leaves	Body swellings	Paste	Oral
<i>Crotalaria retusa</i> L. (Fabaceae) SEN – 143 *	Kelukelupan	Shrub	Seed	Promote health	Powder	Oral
<i>Curcuma longa</i> L. (Zingiberaceae) SEN – 180	Manjal	Herb	Rhizome	Insects bite	Powder	Topical
<i>Cynodon dactylon</i> (L.) Pres. (Poaceae) SEN – 201	Aruvan pullu	Herb	Whole plant	Kidney disorder	Juice	Oral
<i>Eclipta prostrata</i> (L.) Mant. (Asteraceae) SEN – 178	–	Herb	Leaves	Hair tonic	Paste	Oral
<i>Enicostema littorale</i> (Lam.) Raynal (Gentianaceae) SEN – 202	Vellaruku	Herb	Leaves	Headache	Paste	Topical
<i>Evolvulus alsinoides</i> L. (Convolvulaceae) SEN – 107 *	Vishnukiranthi	Herb	Leaves	Induce memory	Juice	Oral
<i>Ficus hispida</i> L. (Moraceae) SEN – 144	–	Tree	Stem bark	Jaundice, inflammations	Paste	Oral
<i>Ficus microcarpa</i> L. (Moraceae) SEN – 153	Echi	Tree	Leaves	Stomach problem	Decoction	Oral
<i>Ficus racemosa</i> L. (Moraceae) SEN – 168	Aththi maram	Tree	Root, Fruits	Cooling agent	Juice	Topical
<i>Ficus religiosa</i> L. (Moraceae) SEN – 184 *	Arasamaram	Tree	Stem bark	Bone fracture	Paste	Topical
<i>Gloriosa superba</i> L. (Liliaceae) SEN – 196	Kannuvali sedi	Herb	Flower	Eye infection	Juice	Oral
<i>Gymnema sylvestre</i> (Retz) R. Br. (Asclepiadaceae) SEN – 200	Sirukurinchan	Climber	Leaves	Diabetes	Decoction	Oral
<i>Helecteres isora</i> L. (Sterculiaceae) SEN – 158 *	Yelumotty	Shrub	Leaves	Cuts and wounds	Juice	Oral
<i>Hibiscus rosa-sinensis</i> L. (Malvaceae) SEN – 160	Semparuthi	Shrub	Flower	Hair tonic	Powder	Oral
<i>Jasminum grandiflorum</i> L. (Oleaceae) SEN – 112	Kattu malli	Climber	Flower	Skin disease	Paste	Topical
<i>Jatropha villosa</i> Wight (Euphorbiaceae) SEN – 196	Pai cottai	Shrub	Bark	Earache	Juice	Oral
<i>Lagenaria siceraria</i> (Mol.) Stan. (Cucurbitaceae) SEN – 166	Sorakkai	Climber	Fruit	Ulcer, indigestion	Juice	Oral
<i>Lantana camara</i> L. (Verbenaceae) SEN – 207	Unnimullu	Shrub	Leaves	Cuts and wounds	Juice	Topical
<i>Lowsonia inermis</i> L. (Lythraceae) SEN – 162	Maruthondri	Shrub	Leaves	Hair tonic	Juice	Oral
<i>Leucas aspera</i> (Willd.) Link. (Lamiaceae) SEN – 147	Thumbai	Herb	Leaves	Fever, stomachache	Decoction	Oral
<i>Leucas indica</i> (L.) R. Br. (Lamiaceae) SEN – 139 *	Kutta thumbai	Herb	Leaves	Migraine	Juice	Topical

Botanical name, (Family), Voucher specimen number	Local name	Life form	Part (s) used	Ailment treated	Preparation	Application
<i>Mangifera indica</i> L. (Anacardiaceae) SEN – 172	Mamaram	Tree	Stem bark	Menstrual disorder	Decoction	Oral
<i>Melia dubia</i> Cav. (Meliaceae) SEN – 146 *	Seruthaviti	Tree	Bark	Promote health	Decoction	Oral
<i>Mimosa pudica</i> L. (Mimosaceae) SEN – 192	Thottal Surungi	Herb	Leaves	Cuts and wounds	Juice	Oral
<i>Moringa oleifera</i> Lam. (Moringaceae) SEN – 175	Murungai	Tree	Leaves	Stomach problem	Juice	Oral
<i>Musa paradisiaca</i> L. (Musaceae) SEN – 179	Vazhli	Herb	Rhizome	Kidney disorder	Raw	Oral
<i>Ocimum basilicum</i> L. (Lamiaceae) SEN – 200	Tirunitrupatchi	Herb	Leaves	Fever, cough, cold	Raw	Oral
<i>Pergularia daemia</i> (Forssk.) Chiov. (Asclepiadaceae) SEN – 104	Veli paruthi	Climber	Leaves	Stomach ulcer	Decoction	Oral
<i>Phyllanthus madraspatensis</i> L. (Euphorbiaceae) SEN – 119	Melaa nelli	Herb	Leaves	Menstrual problem	Decoction	Oral
<i>Physalis minima</i> L. (Solanaceae) SEN – 129	Putter thalai	Herb	Leaves	Asthma	Decoction	Oral
<i>Plumbago zeylanica</i> L. (Plumbaginaceae) SEN – 126	Kodivelli	Herb	Flower	Headache	Paste	Topical
<i>Pongamia pinnata</i> (L.) Pierre. (Fabaceae) SEN – 174 *	Pongam	Tree	Bark	Ulcer problem	Decoction	Oral
<i>Psidium guajava</i> L. (Myrtaceae) SEN – 116	Koyya	Tree	Fruit, Leaves	Diabetes, earache	Raw/juice	Oral
<i>Pterocarpus marsupium</i> Roxb. (Fabaceae) SEN – 128	Vengai	Tree	Bark	Diabetes	Decoction	Oral
<i>Ricinus communis</i> L. (Euphorbiaceae) SEN – 145	Kotta muthu	Shrub	Seed	Skin disease	Raw	Topical
<i>Rubus niveus</i> Thunb. (Rosaceae) SEN – 190	-	Climber	Root	Cuts and wounds	Paste	Topical
<i>Ruta graveolens</i> L. (Rutaceae) SEN – 163	Aruvathan thalai	Herb	Leaves	Dysentery	Paste	Topical
<i>Scoparia dulcis</i> L. (Scophulariaceae) SEN – 197	Sarakkothini	Herb	Whole plant	Kidney disorder	Juice	Oral
<i>Sida acuta</i> Burm. (Malvaceae) SEN – 124	Salar	Herb	Leaves	Swellings	Paste	Topical
<i>Sida cordifolia</i> L. (Malvaceae) SEN – 152	Kuruthavidi	Shrub	Leaves	Cuts and wounds	Juice	Oral
<i>Solanum nigrum</i> L. (Solanaceae) SEN – 195	Kamanchi	Herb	Leaves, Fruits	Stomachache	Raw/paste	Oral
<i>Spermocoe hispita</i> L. (Rubiaceae) SEN – 186	-	Herb	Leaves	Cuts and wounds	Juice	Oral
<i>Synedrella nodiflora</i> (L.) Gaertn. (Asteraceae) SEN – 148	Gamali pondu	Herb	Leaves	Diarrhoea	Decoction	Oral
<i>Syzygium cumini</i> (L.) Skeels. (Myrtaceae) SEN – 191 *	Navalmaram	Tree	Bark	Stomach problem	Decoction	Oral

**Table 2:** (Continued)

<i>Tamarindus indica</i> L. (Caesalpinaceae) SEN – 176 *	Puliamaram	Tree	Fruit, Leaves	Body pain	Paste	Topical
<i>Tarenna asiatica</i> (L.) Kutze (Rubiaceae) SEN – 133 *	Therani	Shrub	Leaves	Animal bite	Paste	Topical
<i>Terminalia bellerica</i> (Gaertn.) Roxb. (Combretaceae) SEN – 109	-	Tree	Fruits	Body swelling, wounds	Paste	Topical
<i>Terminalia chebula</i> Retz. (Combretaceae) SEN – 121	Kadukkai	Tree	Fruit	Asthma	Powder	Oral
<i>Todallia asiatica</i> (L.) Lam. (Rutaceae) SEN – 132	Mulakarandi	Climber	Leaves	Rheumatism	Paste	Topical
<i>Tragia involucreta</i> L. (Euphorbiaceae) SEN – 115	Kodikansala kai	Climber	Leaves	Cuts and wounds	Paste	Topical
<i>Tridax procumbens</i> L. (Asteraceae) SEN – 167	Thatha poo	Herb	Leaves	Cuts and wounds	Juice	Topical
<i>Vernonia cinerea</i> (L.) Less. (Asteraceae) SEN – 166	-	Herb	Leaves	Eye disease	Juice	Topical
<i>Vitex negundo</i> L. (Verbenaceae) SEN – 136	Nochchei	Shrub	Leaves	Headache	Raw	Inhalation
<i>Zingiber officinale</i> Roscos. (Zingiberaceae) SEN – 187	Ingi	Herb	Rhizome	Throat infection	Decoction	Oral

4. Ethnobotanical study of Medicinal Plants used by villagers in Kolli Hills of Namakkal District of Tamil Nadu, India (2011) by Palanisamy Murugesan *et al.*

(54 plants species)

1. *Abutilon indicum* L. (Malvaceae). Vernacular name: Thuthi. Roots and leaves decoction is given for diuretic and purgative. The leaf paste is used for the treatment of toothache.
2. *Acacia leucophloea* Willd. (Mimosaceae). Vernacular name: Velam. Leaf juice is given to treat fever and stomachache. Leaf juice mixed with milk used to treat bleeding piles.
3. *Acalypha indica* L. (Euphorbiaceae). Vernacular name: Kuppaimeni. The whole plant powder is used to treat toothache. The leaf paste is applied on bedsores.
4. *Achyranthes aspera* L. (Amaranthaceae) Vernacular name: Nayuruvi. Leaves decoction taken orally with water/milk for stomach problems, diuretic, piles and skin diseases.
5. *Adathoda vasica* Nees (Acanthaceae). Vernacular name: Adathoda. The decoction of the leaves and root are given to treat asthma, dysentery and diarrhoea.
6. *Aegle marmelos* L. (Rutaceae). Vernacular name: Vilvam. Juice of the fruits is used as dysentery and dyspepsia. Juice of the stem and root powder used to cure fever.
7. *Allium cepa* L. (Alliaceae). Vernacular name: Vengayam. Bulb juice used for treatment of headache.
8. *Allium sativum* L. (Alliaceae). Vernacular name: Vellai poondu. Bulb paste used for the treatment of gastric problems.
9. *Aloe vera* L. Burm.f. (Liliaceae). Vernacular name: Sotthu katthalai. Leaf paste and juice used to maintain body cooling.
10. *Andrographis paniculata* Nees. (Acanthaceae). Vernacular name: Nilavembu. Decoction of the leaves is taken to treat dyspepsia and stomach ache.
11. *Asparagus racemosus*. (Liliaceae). Vernacular name: Thanner Vittan Kizhangu. Dried root powder is mixed with freshwater as tonic to cure liver disorders, jaundice, dysentery, chronic fevers and enhance lactation.
12. *Azadirachta indica* A.Juss. (Meliaceae). Vernacular name: Vembu. Decoction of the bark is useful in liver diseases. Paste of leaves is applied on skin diseases.
13. *Basella alba* L. (Basellaceae). Vernacular name: Pasalai keerai. Leaf juice used as drops for eye infections.
14. *Boerhaavia diffusa* L. (Nyctaginaceae). Vernacular name: Mookarattai. Decoction of the whole plant used to treat cough, fever and jaundice.
15. *Bougainvillea spectabilis* Willd. (Nyctaginaceae). Vernacular name: Kaaghithapoo. Leaves juice is given for treatment of jaundice, dysentery and diarrhoea. Roots are used to treat cough and fever.
16. *Calotropis gigantea* (L) R.Br. (Asclepiadaceae). Vernacular name: Erukku. The plant powder mixed with milk it is used for treatment of leprosy, syphilis, ulcer, dysentery, diarrhoea and rheumatism.
17. *Calotropis procera* L. (Asclepiadaceae). Vernacular name: Vellerukku. Roots in the form of paste are applied to toothache. The flowers powder mixed with black pepper and drink to treat snake bite.

18. *Carica papaya* L. (Caricaceae). Vernacular name: Pappali. Fruit decoction is used to maintain blood pressure.
19. *Cassia auriculata* L. (Caesalpiniaceae). Vernacular name: Avarai. Juice of seeds used for the treatment of diabetes. Leaves juice used to treat heart diseases and eye infections.
20. *Centella asiatica Urban.* (Apiaceae). Vernacular name: Vallarai. Leaf Juice is given to improve memory power and youth.
21. *Cissus quadrangularis* L. (Vitaceae). Vernacular name: Perandai. The whole plant powder is mixed with milk for the treatment of asthma. Plant extract taken orally to cure skin diseases.
22. *Citrus aurantifolia* (Christ.) Swingle (Rutaceae). Vernacular name: Elumitchai. Leaves taken as decoction for headache, cold and fever.
23. *Citrus medica* L. (Rutaceae). Vernacular name: Naraththankayi. Leaves juice used to treat fever and dyspepsia.
24. *Cleome viscosa* L. (Capparidaceae). Vernacular name: Nayi-velai. Seed paste taken orally with milk/water to treat liver disorders.
25. *Clitoria ternatea* L. (Fabaceae). Vernacular name: Sangupoo. Leaves Juice is taken orally for dropsy and antipyretic.
26. *Cyanodon dactylon Pers.* (Poaceae). Vernacular name: Arugampullu. Decoctions of whole plant extract are given orally to treat diabetes, ulcers and body cooling.
27. *Datura metal* L. (Solanaceae). Vernacular name: Umathai. Juice of leaves is used to treat asthma and chronic ulcers.
28. *Eclipta alba Hassk.* (Asteraceae). Vernacular name: Karishalanganni. Decoction of leaves used as tonic for jaundice and skin diseases.
29. *Embllica officinalis Gaerth.* (Euphorbiaceae). Vernacular name: Nelli. Dried fruit powder is used in diarrhoea, anaemia, jaundice and dyspepsia. The leaf juice mixed with black pepper and drink to treat scorpion sting.
30. *Ficus benghalensis* L. (Moraceae). Vernacular name: Alamaram. Latex is applied on sores, ulcers and rheumatism. Decoction of the bark and seed powder of the plant cures gonorrhoea and dysentery.
31. *Ficus religiosa* L. (Moraceae). Vernacular name: Arashamaram: Leaves in the form of paste are applied in skin diseases. The dried bark powder mixed with honey it is used as an anti-inflammatory agent.
32. *Hibiscus rosa-sinensis* L. (Malvaceae) Vernacular name: Sembarutthi. Dried leafs mixed with water for healthy and black hair.
33. *Leucas aspera* Link. (Lamiaceae). Thumbai. Leafs juice used for treatment of dysentery, headache, fever.
34. *Mirabilis jalapa* L. (Nyctaginaceae). Vernacular name: Andhimalli. The Leaf juice mixed with water which cures jaundice, dysentery, diarrhoea and dyspepsia.
35. *Morinda tinctoria* L. (Rubiaceae). Vernacular name: Nuna. Decoction of the leaves is taken as tonic. A decoction of the fruits mixed with black pepper used for the treatment of diarrhoea and dysentery.
36. *Musa paradisiacal* L. (Musaceae). Vernacular name: Valai. Juice of the skin bark is mixed with milk used as antivenom.



37. *Ocimum basilicum* L. (Lamiaceae). Vernacular name: Thirunetrupachilai. Leaf juice is used for the treatment of urinary problems. The leaf juice when mixed with water used for gonorrhoea.
38. *Ocimum canum* Sims. (Lamiaceae). Vernacular name: Naai thulasi. Leaves juice used to treat cold, cough and fever.
39. *Ocimum sanctum* L. (Lamiaceae). Vernacular name: Tulasi. The juice of the leaves is used to treat fever, leprosy, diabetes and cough.
40. *Ocimum tenuiflorum* L. (Lamiaceae). Vernacular name: Thulasi. Leaves juice taken orally for scorpion sting and chest pain.
41. *Opuntia dillenii* Haw. (Cactaceae). Vernacular name: Sappathikali. The fruits are used to treat gonorrhoea. The fruits paste is applied on snake bite and dog bite.
42. *Orthosiphon diffuses* Benth. (Lamiaceae). Vernacular name: Karpooravalli. Whole plant used as paste for skin diseases.
43. *Phyllanthus amarus* L. (Euphorbiaceae). Vernacular name: Kilanelli. Juice of the whole plant mixed with sugar is taken as excellent remedy for jaundice and liver disorders.
44. *Punica granatum* L. (Punicaceae). Vernacular name: Madulai. The flower buds mixed with salt are used to treat bronchitis, dysentery and diarrhoea. The fruits used to treat stomach problems.
45. *Richardia scabra* L. (Rubiaceae). Vernacular name: Pachai-amman paccharisi. Paste of leaf along with coconut oil is applied externally to cure skin diseases.
46. *Ricinus communis* L. (Euphorbiaceae). Vernacular name: Amanakku. Decoction of the leaves is mixed with salt is applied for eye infections.
47. *Solanum nigrum* L. (Solanaceae). Vernacular name: Manattakkali. The leaf and flowers of juice mixed with salt and black pepper to treat skin diseases, piles and ulcer.
48. *Solanum trilobatum* L. (Solanaceae). Vernacular name: Thuthuvalai. Leaves juice is used for the treatment of asthma, cough and lung diseases.
49. *Terminalia arjuna*. (Combretaceae). Vernacular name: Maruthamaram. Stem bark decoction used to reduce blood pressure.
50. *Tribulus terrestris* L. (Zygophyllaceae). Vernacular name: Nerunchi. Whole plant powder used for the treatment of fever, headache, heel cracks.
51. *Vitex nugundo* L. (Verbinaceae). Vernacular name: Notchi. Leaf juice and flowers powdered and mixed with milk are taken orally to treat cholera and liver complaints.
52. *Wedelia chinensis* (Osbeck) Merr. (Asteraceae). Vernacular name: Manjal karesalankanni. Leaves juice taken orally for treatment of jaundice.
53. *Withania somnifera* Dun. (Solanaceae). Vernacular name: Amukramkizhangu. Decoction of the leaves is taken as remedy for anthelmintic. The root powder mixed with black pepper used for rheumatic swellings.
54. *Zingiber officinale* Rosc. (Zingiberaceae) Inji. The rhizome juice is given orally for the treatment of fever, headache and body pain.

5. Hitherto unreported medicinal uses of plants from Kolli hills. Ancient Science of Life, (1994) by Dwarakan *et al.*

(3 species)

**COELOGYNE BREVISCAPA LINDL. (ORCHIDACEAE):** A small pseudobulbous herbs on rocks. Rare in forest borders, on rocks and trees. Vernacular name : Paraiottu Therapeutic uses : Pseudobulbs are made into paste and are topically applied for insect bites and also for swellings.

**VISCUM HEYNEANUM DC. (VISCACEAE):** Herbs, dichotomously branched. Occasionally on the tree trunks (parasitic on *Albizia* spp.). Vernacular name :Ottucheddi. Therapeutic uses: The plant juice is given to relieve the ear pain. This plant is also boiled in oil and then applied into ear to relieve the pain.

**ZANTHOXYLUM TETRASPERMUM WIGHT & ARN. (RUTACEAE):** Woody stragglers with prickly spines all over the trunk and branches. Common in ever green forests. Vernacular name: Virasingampattai Therapeutic uses: A highly exploited medicinal plant. The corky ash coloured bark is used for treating cold cough. They are highly sour and pungent.

## 6. Ethnomedicinal plants used for curing Gastro-intestinal ailments by *Malayali* tribes in Yercaud Hills, Eastern Ghats of Tamil Nadu in 2012 by Senthil kumar *et al.*

(15 plant species)

1. *Acacia pennata* (L.) Willd. (Mimosaceae) LN: Kattuchikai (SEN – 182): Decoction of stem bark is given orally to cure diarrhoea.

2. *Achru s zapota* (L.) P. Royen. (Sapotaceae) LN: Sappoda (SEN – 170) Unripened fruit latex is mixed with butter milk and is taken orally to cure stomach pain and indigestion.

3. *Acorus calam u s* L. (Araceae) LN: Vasambu (SEN – 202) Rhizome juice is given orally to cure stomach problems.

4. *Bam busaarundinacea* (Retz.) Roxb. (Bambusaceae) LN: Moongil (SEN – 203) Tender shoots are consumed after cooking to treat indigestion.

5. *Co c c u l u s h i r s u t u s* (L.) Diels (Menispermaceae) LN: Kattu kodi (SEN –117) Leaf paste is mixed with leaf extract of *Mimosa pudica* and applied on stomach to reduce pain and also for cuts and wounds.

6. *Fic u s m i c r o c a r p a* L. (Moraceae) LN: Echi maram (SEN – 153) Leaf extract is taken orally to cure dysentery and stomach disorders.

7. *Lagena aria sic e raria* (Mol.) Stan. (Cucurbitaceae) LN: Sorakkai (SEN – 166) Fruit juice is taken orally to treat stomach acidity, ulcers and indigestion.
8. *Leucas aspera* (Willd.) Link. (Lamiaceae) LN: Thumbai (SEN – 147) Decoction of young leaves is given orally for three days to children to cure stomach problems and also for fever.
9. *Moringa oleifera* Lam. (Moringaceae) LN: Murungai maram (SEN – 175) Leaf juice is taken orally along with curd to cure stomach problems.
10. *Pergularia daemia* (Forssk.) Chiov. (Asclepiadaceae) LN: Veliparuthi (SEN – 104) Leaf is pasted with *Allium sativum* and Pepper and the mixture is given orally for children to cure stomach ulcer and vomiting.
11. *Pongamia pinnata* (L.) Pierre. (Fabaceae) LN: Pongamaram (SEN – 174) Decoction of stem bark is given with pepper to cure stomach ulcer.
12. *Rutagraveolens* L. (Rutaceae) LN: Aruvathan thalai (SEN – 163) Whole plant is pasted and applied over baby's body to reduce stomach pain.
13. *Solanum nigrum* L. (Solanaceae) LN: Kamanchi (SEN – 195) Leaves are taken as vegetables after cooking to cure stomachache and also for the improvement of body.
14. *Synedrella nodiflora* (L.) Gaertn. (Asteraceae) LN: Kamalai poondu (SEN – 148) Decoction of leaves is given orally to cure diarrhoea.
15. *Syzygium cumini* (L.) Skeels. (Myrtaceae) LN: Naval maram (SEN – 191) Decoction of stem bark is taken along with hot water or butter milk to cure indigestion and stomach problems.