

MEDICINAL PLANT GARDEN

Our college is maintaining a medicinal plant garden which has several types of herbs, shrubs and xerophytes. The medicinal garden is maintained by a committee comprising of the following members.

Name of the member	Designation	Responsibility
Mr. K. Jagadish	Asst.Professor	Co-ordinator
Mr.Saroj Kumar Raul	Assoc Professor	Member
Mrs.A.Lakshmiusha	Asst.Professor	Member
Mrs.G.Lekhya	Asst.Professor	Member
Mrs.S.Ravanamma	Attender	Watering and maintenance
<ul style="list-style-type: none"> The plantation was made appropriately in demarcated areas. All the plants were provided with name plates showing vernacular and botanical names. Total area of the medicinal garden is around 620 Sqm and is properly fenced. The medicinal garden is provided with maintenance by two permanent gardeners. Herbs, xerophytes and shrubs were planted at different locations. 		



Fig: Medicinal Garden

Plants available in the medicinal garden with their names and chief constituents						
S.no	Botanical Name	Family	Common Name	Major constituents	Useful part	Use
1.	<i>Abrusprecatorius</i>	Fabaceae	Guriginja	Abrusogenin	Seeds,Roots	Hair fall, Arthritis pain
2.	<i>Achyranthes aspera</i>	Amaranthaceae	Uttareni	Triterpenoids,Saponins,Oeanolic acid	Whole plant	Anti-inflammatory Cough, Asthma, Anemia, Jaundice and Snake bite
3.	<i>Adhatodavastica</i>	Acanthaceae	Addasaramu	Vascine,Vascinone	Leaves	Asthma Bronchitis
4.	<i>Aegle marmelos</i>	Rutaceae	Bilvamu	Alkaloids, Terpenoids, Phenylpropanoids	Leaves	Astringent, Antidiarrheal Antidysenteric, Demulcent, Antipyretic and Anti-inflammatory activities.
5.	<i>Allamanda cathartica</i>	Apocynaceae	Allenandatheega	Allamandin,Allamandicin, Allamdin	Leaves, Roots	Liver tumors, Jaundice, Malaria.
6.	<i>Aloe vera</i>	Solanaceae	Kalabanda	Aloin,Saponins	Leaves	Burns, Sunburn, Frostbite, Psoriasis and Cold sores,
7.	<i>Alpinia galanga</i>	Zingiberaceae	Dumparastramu.	Cineole,Methyl cinnamate	Rhizomes	Anorexia, Dyspepsia, Colic and stomachache. Anti-pyretic, Analgesic
8.	<i>Andrographis paniculata</i>	Acanthaceae	Nilavemu	Diterpenoids,Flavonoids,Polyp henols	Leaves	Cancer, Diabetes, High blood pressure, Ulcer, Leprosy, Bronchitis,
9.	<i>Areca catechu</i>	Arecaceae	Ghonta	Arecoline,Arecaidine	Seed	Diuretic, Digestive, Anthelmintic, Astringent, Cardiotonic
10.	<i>Azadirachta indica</i>	Meliaceae	Vepa	Isomeldenin, Nimbin, Nimbinene,Nimbandio6-desacetylInimbinene	Whole Plant	Anthelmintic, Antifungal, Antidiabetic, Antibacterial, Antiviral, Contraceptive, and Sedative.

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11.	<i>Bauhinia variegata</i>	Fabaceae	Devakanchana	Glycoside, Phenolics, Lignin, Saponins, Terpinoids,	Bark, Flower, Wood	Astringent, Leprosy, Ulcers
12.	<i>Bixa Orellana</i>	Bixaceae	Sinduri	Alkaloids, Flavonoids, Saponins	Leaves, Flowers	Antihistamine activity Anti-Inflammatory
13.	<i>Bougainvillea spectabilis</i>	Nyctaginaceae	Kagithala	Terpinolene, Methyl salicylate, α -(E)-ionone	Leaves, Flowers	Diarrhoea, Cough and Sore throat
14.	<i>Bryophyllumpinnatum</i>	Crassulaceae	Ranapalaku	Alkaloids, Phenols, Flavonoids, Tannins, Anthocyanins, Glycosides, Bufadienolides, Saponins,	Leaves, Rhizomes	Constipation, Fever, Piles
15.	<i>Cactus opuntia</i>	Cactaceae	Nagajemudu	Proteins, Fibres, Minerals	Leaves, Fruits, Flowers	Diabetes
16.	<i>Calotropis gigantea</i>	Apocynaceae	Jilleduchettu	Long chain fatty acids	Leaves, Flowers, Stem	Diarrhea, Constipation, Stomach ulcers, Painful conditions including toothache
17.	<i>Carica papaya</i>	Caricaceae	Boppayi	Carpaine	Whole plant	Corns, Tumors, Cancers of the uterus, Syphilis, Tropical infection
18.	<i>Cascabelathevetia</i>	Apocynaceae	Ganneru	Flavanone glycosides	Leaves, Flowers	Emetic Chronic sores and Ulcers,
19.	<i>Cassia fistula</i>	Fabaceae	Rela	Fistucacidin, Pentahydroxyflavan. Heartwood, Oxyanthraquinone, Dihydroxyanthraquinone	Leaves, Flowers, Fruits, Roots, Seeds	Local antiseptic, Laxative, Ulcers and Wounds
20.	<i>Catharanthus roseus</i>	Apocynaceae	Billaganneru	Vincristine, Vinblastin	Whole plant	Anti-cancer, Diabetes, Stomachache
21.				Centellin, Asiaticin, Centellicin	Leaves, Roots	Fatigue, Anxiety, Depression, Psychiatric disorders

	<i>Centella asiatica.</i>	Apiceae	Sarasvati-aku			
22.	<i>Cinnamomum tamala</i>	Lauraceae	Talisapatri	Trans-cinnamyl acetate, Cinnamaldehyde	Leaves, Bark	Dysmenorrheal, Inflammation of the uterus.
23.	<i>Cinnamomum zeylanicum</i>	Lauraceae	Dalchinachekka	Essential oils	Inner Bark	Carminative, Antimicrobial, Anti-fungal.
24.	<i>Cissus quadrangularis</i>	Vitaceae	Gudameti	Gallic acid, Steroids, Iridoids, Flavonoids, Stilbenes triterpenes.	Whole plant	Bone fractures, Hemorrhoids, Joint pain.
25.	<i>Citrus aurantifolia</i>	Rutaceae	Nimma	Flavonoids, Limonoids, Coumarins.	Fruit peel	Anti-cancer Anti-bacterial Antioxidant
26.	<i>Citrus limonia</i>	Rutaceae	Nimmakaya	Essential oils	Fruit peel	Scurvy
27.	<i>Citrus maxima</i>	Rutaceae	Pampara	Amino Acids, Carbohydrates, Carotenoids, Coumarins, Flavonoids, Sesquiterpenes, Steroids	Fruits, Flowers, Leaves, Seeds	Coughs, Fevers, and Gastrointestinal disorders.
28.	<i>Citrus sinensis</i>	Rutaceae	Bathai	Essential oils, Biflavonoids	Leaves, Fruit Peel	Anti-inflammatory, Antioxidant, Hypolipidemic
29.	<i>Clitoria ternatea</i>	Fabaceae	Aparajita	Triterpenoids, Flavonol Glycosides, Anthocyanins	Whole Plant	Antistress, Anxiolytic, Antidepressant, Anticonvulsant,
30.	<i>Coleus forskohlii</i>	Apiaceae	Vamu	Glycosides, Saponins, Phenolic Compounds, Volatile oil	Leaves	Carminative
31.	<i>Commiphora wightii</i>	Burseraceae	Makishakshiguggulu	Guggulsterone, Guggulsterol	Bark, Stem	Arthritis, Skin diseases, Weight loss.
32.	<i>Curcuma longa</i>	Zingiberaceae	Pasupu	Curcumin Flavonoids, Phenols, Tannins, Alkaloids, Saponins, Terpenoids	Rhizomes	Anti-inflammatory Arthritis, Blood purifier
33.	<i>Cymbopogon flexuosus</i>	Poaceae	Nimmagaddi	Citral, Geranyl acetate, Linalool	Leaves	Stimulant, Aromatic, Anti spasmodic, Tonic

34.	<i>Datura metel</i>	Solanaceae	Ummetta	Scopolamine, Hyoscyamine	Seeds, Flowers, Root bark, Leaves	Chronic respiratory disorders, Asthma
35.	<i>Emblica Officinalis.</i>	Phyllanthaceae	Usirichettu	Emblicanin A&B, Puniglucanin, Pedunculagin	Fruits	Liver toxins, high blood Cholesterol, Age-related kidney disorders
36.	<i>Eucalyptus globulus</i>	Myrtaceae	Neelagirichettu	Eucalyptol, Cineol, α -pinene, Aromadendrene.	Leaves	Arthritis, Cough
37.	<i>Ficus benghalensis</i>	Moraceae	Marri chettu	Ketones, Tannins, Flavonoids, Coumarins, Terpenoids	Leaves, Fruits, Bark, Roots, Seeds	Hypoglycemic, Anti-inflammatory, Anthelmintic, Analgesic, Anti-pyretic.
38.	<i>Ficus carica</i>	Moraceae	Athipallu	Anthocyanin, Furanoid, Flavones, and Flavonols	Fruits, Leaves	Cardiovascular, Respiratory, Antispasmodic, Anti-inflammatory.
39.	<i>Ficus glomerata</i>	Moraceae	Attimanu	β -sitosterol, lupenol, and stigmaterol	Bark, Fruits	Diabetes, Liver disorders, Diarrhoea, Inflammatory
40.	<i>Ficus religiosa</i>	Moraceae	Ragi chettu	Phenols, Phytosterolin	Leaves, Fruits, Bark, Roots, Seeds.	Asthma, Diabetes, Diarrhea Epilepsy
41.	<i>Gmelina arborea</i>	Laminaceae	Peddagumuduteku	Lignans, Iridoid Glycoside, Flavonoids, Flavons, Flavone glycoside	Leaves	Gonorrhoea, Ulcers, Fever
42.	<i>Gymnemasylvestre</i>	Apocynaceae	Podapatri,	Gymnemic acid, Tartaric acid, Gurmarin, stigmaterol,	Whole plant	Eye diseases, Allergies, Constipation, Cough, Dental caries, Obesity, Stomach ailments,
43.	<i>Holarrhena antidysenterica</i>	Apocynaceae	Kodisepala	Conessine, Nor-Conessine.	Bark	Amoebicidal
44.	<i>Hymenocallis littoralis</i>	Amaryllidaceae	Spider lily	Trispheridine, Tazettine	Flowers, Leaves.	Wound healing

45.	<i>Ixora chinensis</i>	Rubiaceae	Manmadhabanam	Triterpenes	Leaves, Flowers.	Astringent, Dysentery, Tuberculosis.
46.	<i>Lawsoniainermis</i>	Lythraceae	Gorintaku	Lawsonic acid	Whole Plant	Anticancer, Anti-inflammatory, Anti-microbial, Antioxidant
47.	<i>Litchi chinensis</i>	Sapindaceae	Lichi	Phlorhizin, Onychin, Nairutin.	Leaves, Fruits.	Diarrhoea, Animal bites
48.	<i>Murrayakoenigii</i>	Rutaceae	Karepaku	Sabinene, γ -terpinene, α -humulene	Leaves	Anti-diabetic, Antioxidant, Antimicrobial, Anti-inflammatory, Anti-carcinogenic,
49.	<i>Neolamarckiacadamba</i>	Rubiaceae	Rudraskamba	Cadambagenic acid, Cadamine, Quinovic acid	Bark	Mouth ulcers, Inflammation of the gums.
50.	<i>Nyctanthesarboritris</i>	Oleaceae	Paarijatham	Methyl anthranilate	Leaves, Bark	Anti-malarial, Anti-bacterial
51.	<i>Ocimum sanctum</i>	Lamiaceae	Tulasi	Eugenol, Cirsilineol, Circimaritin, Isothymusin, Apigenin and Rosameric acid,	Leaves	Antispasmodic, Appetizer, Galactagogue, Carminative, Stomachic.
52.	<i>Ocimumtenuiflorum</i>	Lamiaceae	Rudrajada	Eugenol, Cirsilineol, Circimaritin, Isothymusin, Apigenin and Rosameric acid,	Leaves	Antispasmodic, Appetizer, Galactagogue, Carminative, Stomachic.
53.	<i>Passiflora nitida</i>	Passifloraceae	Tellajumiki	Flavonoids, Glycosides, Alkaloids, Phenolic compounds,	Flowers, Leaves	Anti-microbial, Antioxidant
54.	<i>Plumbago zeylanica</i>	Plumbaginaceae	Chitramulam	Plumbazeylanone, Plumbagic acid, Norcanelilline	Whole plant	Stimulant Digestant, Expectorant, Laxative and in the treatment of Muscular pain and Rheumatic diseases
55.	<i>Prosopis cineraria</i>	Fabaceae	Jammichettu	Flavonoids, Sesquiterpenes, Steroids	Bark, Leaves	Anthelmintic; Tonic, Leprosy, Dysentery, Bronchitis, Asthma, Leukoderma.
56.	<i>Pterocarpus santalinus</i>	Fabaceae	Raktha Chandanamu	Marsupinol, Marsupol	Wood	Antipyretic, Anti-inflammatory Anti-hyperglycemic
57.	<i>Punica granatum</i>	Lythraceae	Danimma	Ursolic acid, Palmitic acid, Tricin,	Fruits	Cancer, Osteoarthritis, Coughs, Urinary infections, Digestive disorders,

				Catechin, Rutin Apigenin		Skin disorders, Arthritis
58.	<i>Rauwolfia serpentina</i>	Apocynaceae	Sarpagandha,	Ajmaline, Ajmalicine, Ajmalimine, Deserpidine, Indobine, Indobinine, Reserpine, Reserpiline,	Roots	Sedative and Tranquilizer. Anxiety, Psychosis Epilepsy.
59.	<i>Ricinus communis</i>	Euphorbiaceae	Amadom	Alkaloids, Ricinoleic acid, Stearic, Linoleic, Palmitic acid, Sitosterol,	Seeds	Rheumatism, Worm infestation, Severe constipation and Abdominal disorders.
60.	<i>Saraca indica</i>	Fabaceae	Ashoka	Hematoxylin, Tannins, Ketosterols, Catechins, Glycosides, Saponins	Bark	Uterine tonic
61.	<i>Syzygiumcumini</i>	Myrteaceae	Neredu	Anthocyanins, Glucoside, Ellagic acid	Whole plant	Astringent, Anthelmintic, Asthma, Dysentery and Ulcers
62.	<i>Terminalia arjuna</i>	Combretaceae	Thella maddi	Terminic acid, Arjunolic acid, Arjunetin, Arjunosides Flavones Oligomeric Proanthocyanidins	Leaves, Bark, Roots.	Cardioprotective, Antiarrhythmic Cardiac Stimulant, Antianginal Cardiac tonic, Anti-atherogenic
63.	<i>Terminalia belerica</i>	Combretaceae	Tanikaya	Tannins, β - sitosterol, Gallic acid, Ellagic acid, Ethyl gallate, Chebulaginic acid.	Stem, Bark	Astringent, Laxative, Tonic
64.	<i>Thespesia populnea,</i>	Malvaceae	Ganga ravi	Nonacosane, Lupenone, Thespone	Root, Leaves	Astringent, Nasal Bleeding
65.	<i>Vitex negundo</i>	Laminaceae	Nalla Vavili	Vitegnoside	Leaves, Roots, Seeds, Stem bark.	Anti-inflammatory, Anti-oxidant, Antipyretic, Anti-arthritis, Anxiolytic
66.	<i>Withaniasomnifera</i>	Solanaceae	Vajigandha	Withanolides, Withaferins, Isopelletierine, Anaferine, Cuseohygrine,	Leaves, Fruits	Anxiety, Depression, Anti-cancer