

## Herbal Compendium

for

Medicinal Plant Garden of BCRCP

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## **Forewords**

Survival of mankind needs a balance in the ecosystem. A part of which is to preserve the different species of plants and animals and maintain a good and sustainable environment. Day by day the use of plants has been increased. The conscious people are trying to do the minimum use of papers and go for digitalization. From this concept the information what we are trying to dispense among medicinal plant lovers, the author has compiled data and information in QR code form of around 74-75 different species of medicinal plants at present available in the Medicinal Plant Garden of Dr. B. C. Roy College of Pharmacy & Allied Health Sciences, Durgapur. QR code of each plant is available on a board that is placed in front of the fencing for easy access of the visitors. Instantly by using QR code application the visitor or any student can access the information on the desired medicinal plant or plants. These QR codes when are displayed through books are taking minimum space rather than the space occupied by the elaborate information served in writing. We are thankfully indebted to the college management for allowing us in doing such a work and highly thankful to Google wherefrom we have collected the information.

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Common Name: Bach

Scientific Name: Acorus calamus

Family: Acoraceae

Uses: Ulcers, Inflammation of the Stomach lining (Gastritis),

Flatulence, Upset stomach, Loss of appetite.





Common Name: **Aloe, Ghritakumari** Scientific Name: **Aloe barbadensis** 

Family: **Asphodelaceae** 

Uses: Purgative, Antioxidant, Antibacterial





Common Name: **Bhuinimb, Kirata, Kalmegh** Scientific Name: *Andrographis paniculata* 

Family: Acanthaceae

Uses: Common cold, Tonsillopharyngitis, antityphoid and

antifungal activities.





Common Name: **Laxman Fruit**Scientific Name: **Annona muricata** 

Family: **Annonaceae** 

Uses: Arthritis, Neuralgia, Rheumatism





Common Name: **Ata (Sugar apple)**Scientific Name: *Annona squamosa* 

Family: **Annonaceae** 

Uses: Have anti-diabetic, antioxidant and hepato-

protective properties.





Common Name: **Supari/Betle nut** Scientific Name: *Areca catechu* 

Family: Arecaceae

Uses: **Betel nuts have antihypertensive properties. Used against anaemia, fits, leucoderma, leprosy, obesity and** 

worms etc.





Common Name: Jackfruit/ Kathal

Scientific Name: Artocarpus heterophyllus

Family: Moraceae

Uses: Have anti-oxidant, anti-inflammatory, antimicrobial,

anti-cancer and anti-fungal properties.





Common Name: Satavari

Scientific Name: *Asparagus racemosus* 

Family: **Asparagaceae** 

Uses: Have anti-oxidant, anti-inflammatory, antimicrobial,

anti-cancer and anti-fungal properties.





Common Name: Kamranga (Star Fruit, Carambola)

Scientific Name: Averrhoa carambola

Family: Oxalidaceae

Uses: Have Antiulcer, Antioxidant, Anti-inflammatory

properties.





Common Name: Neem

Scientific Name: Azadirachta indica

Family: Meliaceae

Uses: Neem leaf and its constituents have been demonstrated to exhibit immunomodulatory, anti-

inflammatory.





Common Name: **Common bamboo** Scientific Name: *Bambusa vulgaris* 

Family: Poaceae

Uses: In traditional Chinese medicine, bamboo shoots are used to ease labor and the expulsion of the placenta by inducing uterine contractions, cleaning wounds and healing infections, respiratory disorders.





Common Name: Anatto, Lipstick Tree

Scientific Name: Bixa orellana

Family: Bixaceae

Uses: It has anti-inflammatory activity for bruises and wounds and has been used for the treatment of bronchitis

and for wound healing purposes.





Common Name: Life Plant, Mother of Thousands, Miracle

Leaf

Scientific Name: **Bryophyllum pinnatum** 

Family: Crassulaceae

Uses: Used for diabetes, diuresis, dissolving kidney stones, respiratory tract infections, as well as applied to wounds,

boils, and insect bites.





Common Name: Palash, flame-of-the-forest, bastard teak

Scientific Name: **Butea monosperma** 

Family: Fabaceae

Uses: Flowers are astringent to bowel, in heal "Kapha", leprosy, strangury, gout, skin diseases, thirst sensation;

flower juice is used to treat eye diseases.





Common Name: Akanda, crown flower, giant milkweed

Scientific Name: *Calotropis gigantea* 

Family: Apocynaceae

Uses: Effective in treating skin, digestive, respiratory,

circulatory and neurological disorders and was used to treat

fevers, elephantiasis, nausea, vomiting, and diarrhea.





Common Name: Papaya

Scientific Name: Carica papaya

Family: Caricaceae

Uses: Effective in treating skin, digestive, respiratory,

circulatory and neurological disorders and was used to treat

fevers, elephantiasis, nausea, vomiting, and diarrhea.





Common Name: Koromcha, Bengal currant, Christ's thorn

Scientific Name: Carissa carandas

Family: Apocynaceae

Uses: Used to treat acidity, indigestion wounds, skin diseases, urinary disorders and diabetic ulcer, stomach pain, constipation, anaemia, skin conditions, anorexia and

insanity.





Common Name: Nayantara, Periwinkle, Vinca

Scientific Name: Catharanthus roseus

Family: Apocynaceae

Uses: Used for relieving muscle pain, depression of the central nervous system, also used for applying to wasp stings

and to heal wounds.





Common Name: Thankuni pata, Gotu Kola

Scientific Name: Centella asiatica

Family: **Apocynaceae** 

Uses: Used to heal wounds, improve mental clarity, and treat

skin conditions such as leprosy and psoriasis





Common Name: Insulin Plant

Scientific Name: *Chamaecostus cuspidatus* 

Family: Costaceae

Uses: It is helpful to treat Type-2 diabetes.





Common Name: Camphor tree

Scientific Name: Cinnamomum camphora

Family: Lauraceae

Uses: Used to treat heart conditions, colds and fevers, respiratory complaints such as pneumonia, inflammatory

conditions, infections, diarrhoea, and hysteria





Common Name: **Devil's backbone, Harjora** Scientific Name: *Cissus quadrangularis* 

Family: Vitaceae

Uses: Used for diabetes, obesity, high cholesterol, bone fractures, allergies, cancer, stomach upset, painful menstrual

periods, asthma, malaria, wound healing





Common Name: **Lemon** Scientific Name: *Citrus limon* 

Family: Rutaceae

Uses: Used to treat scurvy, sore throats, fevers, rheumatism,

high blood pressure, and chest pain.





Common Name: Pummelo, Batabi lebu

Scientific Name: Citrus maxima

Family: Rutaceae

Uses: **Used as sedative in nervous affections, convulsive cough and in the treatment of hemorrhagic diseases and** 

epilepsy.





Common Name: Orange or sweet orange

Scientific Name: Citrus sinensis

Family: Rutaceae

Uses: Used in constipation, cramps, colic, diarrhea, bronchitis, tuberculosis, cough, cold, obesity, menstrual disorder, angina, hypertension, anxiety, depression and

stress





Common Name: Orange or sweet orange

Scientific Name: Cocos nucifera

Family: Arecaceae

Uses: Bladder stones, diabetes, high cholesterol, and weight

loss.





Common Name: **Turmeric, Holud** Scientific Name: **Curcuma longa** 

Family: Zingiberaceae

Uses: Used in coughs, diabetes, dermatological conditions, respiratory problems, arthritis, irritable bowel disease (IBS),

peptic ulcers, psoriasis, and atherosclerosis.





Common Name: **Dhattura**, **jimsonweed** Scientific Name: **Datura** stramonium

Family: **Solanaceae** 

Uses: Anti-inflammatory, stimulation of the central nervous system, respiratory decongestion, treatment of dental and skin infections, alopecia and in the treatment of toothache.





Common Name: Chalta

Scientific Name: Dillenia indica

Family: **Dilleniaceae** 

Uses: Treats Hypertension Symptoms, Rejuvenates Ageing Skin, Boosts Vitality and Vigour, Remedies Kidney Disorders.





Common Name: False daisy, Kesuriya, Bhringraj

Scientific Name: *Eclipta prostrata* 

Family: Asteraceae

Uses: Used in infectious hepatitis, snake venom poisoning, gastritis, and respiratory diseases such as a cough and

asthma.





Common Name: Cardamom, Elach

Scientific Name: *Elettaria cardamomum* 

Family: **Zingiberaceae** 

Uses: Used to cure indigestion, nausea, vomiting and used to

expel out phlegm out of body.





Common Name: Raktapiyaj

Scientific Name: Eleutherine bulbosa

Family: Iridaceae

Uses: Diabetes, breast cancer, nasal congestion, and fertility

problems.





Common Name: Gurmar, Australian cowplant

Scientific Name: Gymnema sylvestre

Family: Apocynaceae

Uses: Fight sugar cravings and lower high blood sugar levels.





Common Name: Anantamul, Indian sarsaparilla

Scientific Name: *Hemidesmus indicus* 

Family: Apocynaceae

Uses: Used as demulcent, alterative, astringent, diaphoretic, diuretic, tonic, anti-pyretic, and blood purifier, leprosy, skin

diseases, fever, asthma, bronchitis, syphilis.





Common Name: **Red Ivy, Murhikuti** Scientific Name: *Hemigraphis alternata* 

Family: Acanthaceae

Uses: Used to stop bleeding wounds, haemorrhage after

parturition, venereal discharges, dysentery and

haemorrhoids.





Common Name: **Joba, China-rose** Scientific Name: **Hibiscus rosq-sinensis** 

Family: Malvaceae

Uses: Used for treating wounds, inflammation, fever and coughs, diabetes, infections caused by bacteria and fungi, hair loss, and gastric ulcers in several tropical countries.





Common Name: Kurchi

Scientific Name: *Holarrhena pubescens* 

Family: Apocynaceae

Uses: **Used for treating anemia, jaundice, dysentery, stomach** 

pains, diarrhea, epilepsy and cholera.





Common Name: Rongon

Scientific Name: Ixora coccinea

Family: Rubiaceae

Uses: Used to care for dysentery, ulcers and gonorrhea.





Common Name: **Arabian jasmine, Belful** Scientific Name: **Jasminum sambac** 

Family: Oleaceae

Uses: Traditionally Jasminum sambac has been used to treat dysmenorrhoea, amenorrhoea, ringworm, leprosy, skin diseases and also as an analgesic, antidepressant, anti-inflammatory, antiseptic, aphrodisiac, sedative, expectorant.





Common Name: **Malabar nut, Basak** Scientific Name: **Justicia adhatoda** 

Family: Acanthaceae

Uses: The leaves, roots, flowers, and bark of this plant have been used in the treatments of cough, colds, asthma, to liquefy sputum, as a bronchodilator, bronchial catarrh, bronchitis, and tuberculosis. A number of parts of the plant are commonly used in the forms of decoctions or powders...





Common Name: **Tejpata, Bay Leaf** Scientific Name: *Laurus nobilis* 

Family: Lauraceae

Uses: Both leaves and berries are traditionally considered as astringent, stomachic, stimulant and narcotic.. It is also considered a powerful emmenagogue. The seed oil is used to

treat rheumatic pains.





Common Name: **Henna, Mehendi** Scientific Name: *Lawsonia inermis* 

Family: Lythraceae

Uses: having antibacterial, antifungal, antiparasitic, antiviral, anticancer, antidiabetic, tuberculostatic, anti-inflammatory,

antifertility and wound healing properties.





Common Name: Apple

Scientific Name: Malus domestica

Family: Rosaceae

Uses: Apple and peel have the potential to improve human

health, for example contributing to preventing

cardiovascular disease, diabetes, inflammation, and cancer.





Common Name: Mango

Scientific Name: Mangifera indica

Family: **Anacardiaceae** 

Uses: Various parts of plant are used as a dentrifrice, antiseptic, astringent, diaphoretic, stomachic, vermifuge, tonic, laxative and diuretic and to treat diarrhea, dysentery,

anaemia





Common Name: Sapodilla

Scientific Name: Manilkara zapota

Family: Sapotaceae

Uses: Treat coughs and colds and possess diuretic, antidiarrheal, antibiotic, antihyperglycemic, and

hypocholesterolemic effects.





Common Name: Touch-me-not, Lajjabati

Scientific Name: Mimosa pudica

Family: Fabaceae

Uses: It majorly possesses antibacterial, antivenom,

antifertility, anticonvulsant, antidepressant, aphrodisiac, and

various other pharmacological activities.





Common Name: Curry tree

Scientific Name: Murraya koenigii

Family: Rutaceae

Uses: used in treating piles, inflammation, itching, fresh cuts, dysentery, bruises, and edema. The roots are purgative to some extent. They are stimulating and used for common body aches.





Common Name: **Tropical Dogwood**Scientific Name: *Mussaenda philippica* 

Family: Rubiaceae

Uses: Plant is used for dysentery and snake bites. Decoction of roots and leaves used for affections of the chest and lung. Root and the while, full-grown sepals are used in jaundice.

Bark used for stomach ache.





Common Name: Kadam

Scientific Name: Neolamarckia cadamba

Family: Rubiaceae

Uses: Used in the treatment of wounds, conjunctivitis, mouth ulcers, diarrhea, irritable bowel syndrome and

diseases related to the urinary tract.





Common Name: **Tree of Sadness, Shiuli** Scientific Name: *Nyctanthes arbor-tristis* 

Family: Oleaceae

Uses: The popular medicinal use of this plant are antihelminthic and anti-pyretic besides its use as a laxative, in

rheumatism, skin ailments and as a sedative.





Common Name: Ram tulsi

Scientific Name: Ocimum gratissimum

Family: Lamiaceae

Uses: In traditional medicine, the leaves have been used as a general tonic and anti-diarrhea agent and for the treatment

of conjunctivitis by instilling directly into the eyes.





Common Name: Holy basil

Scientific Name: *Ocimum sanctum* 

Family: Lamiaceae

Uses: Used in aiding cough, asthma, diarrhea, fever, dysentery, arthritis, eye diseases, indigestion, gastric

ailments, etc.





Common Name: Chandan Tulsi

Scientific Name: Ocimum tenuiflorum.

Family: Lamiaceae

Uses: This plant is well known for its medicinal and spiritual properties in Ayurveda which includes aiding cough, asthma,

diarrhea, fever, dysentery, arthritis, eye diseases,

indigestion, gastric ailments, etc.





Common Name: **Amrul** 

Scientific Name: Oxalis corniculata

Family: **Oxalidaceae** 

Uses: Oxalis is best herb rich in vitamin-C and it is best used in the treatment of scurvy. This herb is very beneficial for treating influenza. External paste of leaves is used as antidote for the poisoning caused by snake bites, datura, mercury and arsenic.





Common Name: <u>Amla, Indian gooseberry</u> Scientific Name: *Phyllanthus emblica* 

Family: **Phyllanthaceae** 

Uses: All parts of the plant are used for medicinal purposes, especially the fruit, treatment of diarrhea, jaundice, and

inflammation.





Common Name: <u>Betel, Paan</u> Scientific Name: *Piper betle* 

Family: Piperaceae

Uses: Helps in lowering high blood glucose levels and aids in the management of diabetes mellitus. High cholesterol level

is a risk factor for heart disease and stroke.





Common Name: **Black pepper** Scientific Name: **Piper nigrum** 

Family: Piperaceae

Uses: used traditionally for the treatment of various diseases including; cough, cold, dyspnea throat diseases, intermittent fever, dysentery, stomachache, worms and

piles.





Common Name: **Kathgolop**Scientific Name: **Plumeria alba** 

Family: Apocynaceae

Uses: Plumeria species are widely used as a purgative, remedy for diarrhea, cure of itch, bronchitis, cough, asthma, fever bleeding piles, dysentery, blood disorders and

tumors etc.





Common Name: **Guava, Peyara** Scientific Name: **Psidium guajava** 

Family: Myrtaceae

Uses: It is found to be effective in diarrhea, dysentery, gastroenteritis, hypertension, diabetes, caries, pain relief, cough, oral ulcers and to improve locomotors coordination

and liver damage inflammation.





Common Name: Red Sandal wood, Red Sanders

Scientific Name: Pterocarpus santalinus

Family: Fabaceae

Uses: It has been used in inducing vomiting and treating eye diseases, mental aberrations, and ulcers., aphrodisiac, and diaphoretic activities. It has also been used as a cooling agent.





Common Name: **Pomegranate, Bedana** Scientific Name: **Punica granatum** 

Family: Lythraceae

Uses: The fruit and bark of pomegranate are used against intestinal parasites, dysentery, and diarrhea. The juice and seeds are considered a tonic for throat and heart. It is used to stop nose and gum bleeds and treating hemorrhoids.





Common Name: Be Still Tree, Devil Pepper, Wild Snake Root,

Scientific Name: Rauvolfia tetraphylla

Family: Apocynaceae

Uses: The plant is used as a remedy for snake and other poisonous bite, blood pressure, diabetes, piles, malaria, wound, helminthiasis, hypertension, vomiting, insomnia, skin diseases, mental disorders, cough, fever and others.





Common Name: **Traveller's palm, Panthopadop** Scientific Name: **Ravenala madagascariensis** 

Family: Strelitziaceae

Uses: Ravenala is used primarily for construction, but other uses have also been noticed including food, medicine and

tools.





Common Name: Castor oil plant, Verenda

Scientific Name: *Ricinus communis* 

Family: **Euphorbiaceae** 

Uses: Used in traditional medicine such as abdominal disorders, arthritis, backache, muscle aches, bilharziasis, chronic backache and sciatica, chronic headache,

constipation.





Common Name: **Sorrowless Tree, Asoka Tree** Scientific Name: **Saraca indica Saraca asoca** 

Family: Fabaceae

Uses: Saraca asoca has been traditionally used in Indian system for treatment of uterine, genital, and other reproductive disorders in women, fever, pain, and inflammation.





Common Name: **Hog plum, Aamra** Scientific Name: **Spondias mombin** 

Family: Anacardiaceae

Uses: In traditional medicine, Spondias mombin has had a variety of uses. The fruit has been used as a diuretic and febrifuge, emetic and for diarrhea, dysentery, hemorrhoids,

gonorrhoea, and leukorrhea.





Common Name: **Candy Leaf, Sugar Leaf,** Scientific Name: **Stevia rebaudiana** 

Family: **Asteraceae** 

Uses: Various medicinal properties of stevia leaves discussed in paper like anti-hyperglycemia, anti-oxidative, hypotensive, nephro-protective, hepato protective, antibacterial and antifungal.





Common Name: Clove, Labango

Scientific Name: *Syzygium aromaticum* 

Family: Myrtaceae

Uses: Traditionally, cloves have been used for centuries in the treatment of vomiting; flatulence; nausea; liver, bowel and stomach disorders; and as a stimulant for the nerves.





Common Name: Java plum, Jaam Scientific Name: Syzygium cumini

Family: Myrtaceae

Uses: The bark is acrid, sweet, digestive, astringent to the bowels, anthelmintic and used for the treatment of sore throat, bronchitis, asthma, thirst, biliousness, dysentery and

ulcers. It is also a good blood purifier.





Common Name: Java apple, Jamrul

Scientific Name: **Syzygium samarangense** 

Family: Myrtaceae

Uses: The fruit can be used to treat high blood pressure and several inflammatory conditions, including sore throat and can also be used as an anti-microbial, anti-scorbutic, carminative, diuretic and astringent.





Common Name: **Pinwheel Flower, Tagar** Scientific Name: **Tabernaemontana divaricata** 

Family: **Apocynaceae** 

Uses: Used as an anti-epileptic, anti-mania, brain tonic, and

anti-oxidant.





Common Name: Bohera

Scientific Name: *Terminalia bellirica* 

Family: Combretaceae

Uses: used to protect the liver and to treat respiratory conditions, including respiratory tract infections, cough, and

sore throat.





Common Name: **Bisalya karani** Scientific Name: *Tridax procumbens* 

Family: Asteraceae

Uses: Used as wound healing and as an anticoagulant, antifungal, and insect repellent. The juice extracted from the leaves is directly applied on wounds. Its leaf extracts were

used for infectious skin diseases in folk medicines.





Common Name: **Grapes, Angur** Scientific Name: *Vitis vinifera* 

Family: Vitaceae

Uses: Ripe grapes were used for the treatment of cancer, cholera, smallpox, nausea, skin and eye infections as well as

kidney and liver diseases.





Common Name: **Indian jujube, Kul** Scientific Name: **Ziziphus mauritiana** 

Family: Rhamnaceae

Uses: Used for improving muscular strength and weight, for preventing liver diseases and stress ulcers, and as a sedative.

