

PART II

HERBAL PRACTICES & PRODUCTS

This section contains details of herbal preparations used traditionally for various ailments and products based on such traditional knowledge.



Uses of *Abrus precatorius* L.

NIF database

Backache

Powdered seeds of the plant along with the powder of rhizome of *Acorus calamus* L., roots of *Asparagus racemosus* Willd., and leaves of *Vitex negundo* L., *Cannabis sativa* L. are mixed in honey and tablets are made. One tablet is given twice a day for three to four weeks

-Ami Chand, Kangra, Himachal Pradesh

Baldness

Seeds are ground into a paste and applied on the scalp along with honey

-Mangilal Purohit, Churu, Rajasthan

Mouth ulcer

Juice extracted from the green leaves is applied on the ulcers

- Chhitar Lal Gurjar, Sawai Madhopur, Rajasthan

Stomachache

Seeds (100 gm) are taken with ghee or butter for relief

- Kalpana, Trichy, Tamil Nadu

Knee pain

Seeds (6 gm) are taken orally with milk for 14 days

- Pavan Mehra, Sikar, Rajasthan

Uses from Classical Codified Literature

Dried leaves and roots' powder is given orally in case of eye complaint¹; decoction of the young leaves is given orally for cough²; leaf powder is given orally in case of urine problems³; seeds' extract is used in sciatica³.

It is one of the ingredients of 'Tranquil'⁴ for relieving stress and anxiety. Ten patents have been found on the applications of *Abrus* as natural sweetener⁵, oral contraceptive⁶, etc.



Source: NIF database

Uses of *Aegle marmelos* (L.) Corr.

NIF Database

Diabetes

150ml of the juice extracted from the pounded roots is administered orally

- *Maibum Lolito Meitei, Bishempur, Manipur*

Jaundice

Juice extracted from leaves or fruits is given orally

- *Ngairangbam Santosh Singh, Imphal East, Manipur*

Headache

Equal amounts of roots of bel and leaves of *Leucas aspera* L. are ground into a paste and applied

- *Bhadi Ram Bharali, Guwahati, Assam*

Nasal bleeding

Leaves are ground into a paste, which is applied on the top of the nose

- *Puran Chand, Kangra, Himachal Pradesh*

Eye diseases

Juice is extracted from the green leaves and two drops are put in the eye

- *Kumari Nigar Pravin, Hazaribag, Jharkhand*

Menorrhagia

Leaves' paste is administered orally to control the disorder

- *Rani B. Bhagat, Pune, Maharashtra*

Fever

Leaves of bel and chirayata (*Andrographis paniculata* (Burm.f.) Wall.ex Nees) 250g each are boiled in a litre of water to obtain a decoction of 250g. 100g decoction is given to the patient twice a day for seven days

- *Sindhoo Kumari, Gopalganj, Bihar*

Intestinal worms

Juice extracted from the green leaves is taken orally

- *Jagjeet Bahadur, Sitapur, Uttar Pradesh*

Diarrhoea

Pulp of the ripen fruit is taken

- *Jagjeet Bahadur, Sitapur, Uttar Pradesh*

Veterinary practice

Abdominal pain

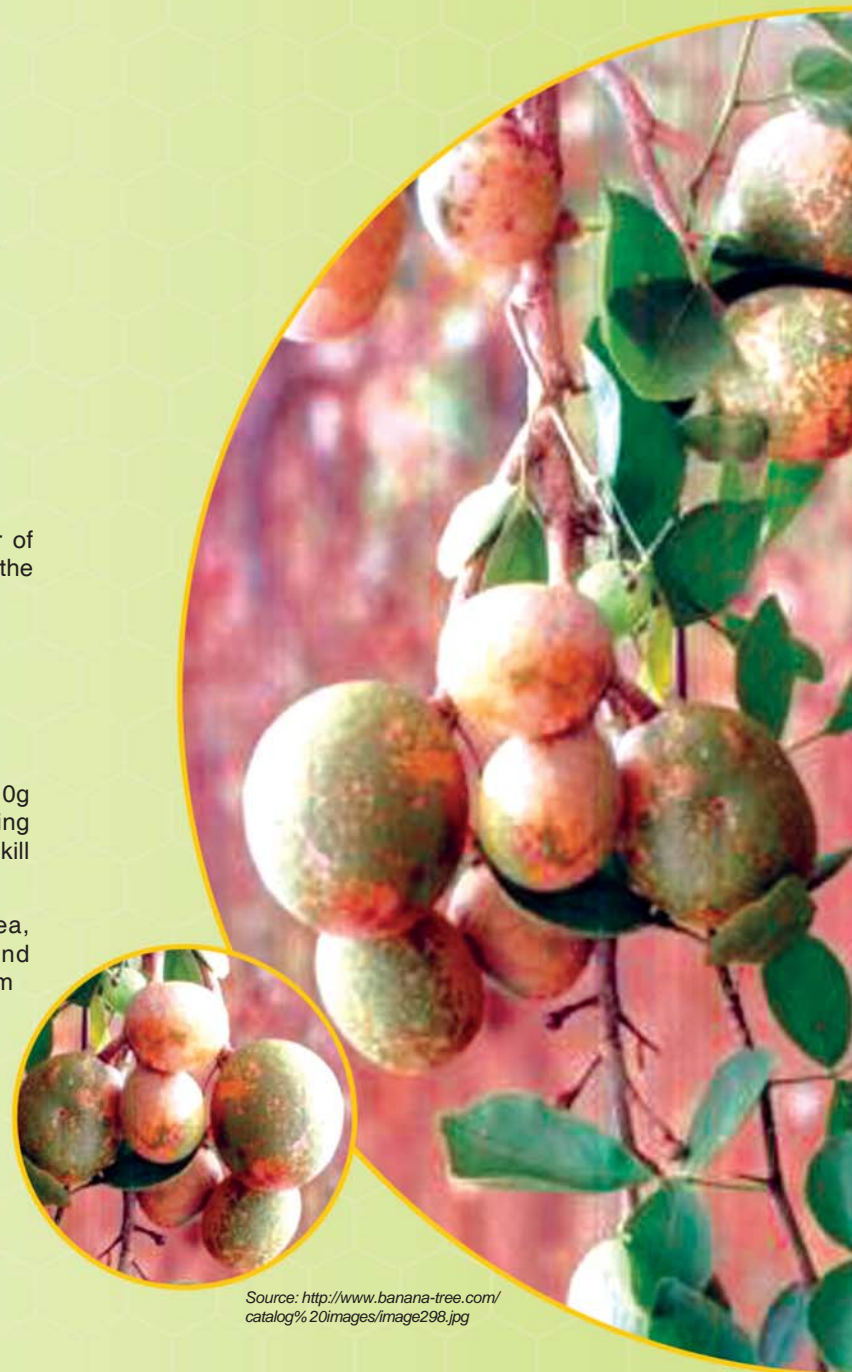
Leaves of *Aegle* and *Euphorbia neriifolia* L., flower of *Tagetes erecta* L., are mixed with fodder and fed to the animal

- *Dipendra Kumar, East Champaran, Bihar*

Uses in Classical Codified Literature

Burnt fruit pulp is applied for rheumatic arthritis⁷; 10g fruit pulp is given before sleep to overcome morning sickness⁸; fruit rind is applied externally on hair to kill headlice⁹.

'Bael'¹⁰, prepared from *Aegle* is used in diarrhoea, dysentery and GI disorders. It has digestive and carminative properties. Lukol's¹⁰ tonic is made from this plant along with other plants. It improves uterine circulation, and its antimicrobial and astringent actions on the mucous membrane of the genital system also help control leucorrhoea. 'Bilwa'¹¹, a product of *Aegle* is used as a medicine to cure a number of diseases. Fifty-three patents have been granted on the medicinal applications of *Aegle* for curing diabetes¹², gastric ulcer¹³ etc.



Source: <http://www.banana-tree.com/catalog%20images/image298.jpg>

Uses of *Alstonia scholaris* (L.) Br.

NIF Database

Wound

Paste of bark and leaves is applied on infectious wound

- Robert L. Hamte, Aizawl, Mizoram

Leaf paste is applied topically over the affected area

- Jongam Ngemu, Papum Pare, Arunachal Pradesh

Gastric

Few leaves are ground with black pepper and taken orally before food

- Indra Kanta Ojha, Sibsagar, Assam

Asthma

Decoction of bark is given orally

- Robert L. Hamte, Aizawl, Mizoram

Fever

Powdered bark (50g) is taken with water thrice a day

- Kutuva Birhorni, Koderma, Jharkhand

Stomachache

Juice extracted from bark (20g) is administered orally

- Prishila Tuddu, Hazaribag, Jharkhand

Headache

Juice extracted from bark (20g) is given orally

- Prishila Tuddu, Hazaribag, Jharkhand

Joint pain

Bark paste is applied on aching joint

- Prishila Tuddu, Hazaribag, Jharkhand

Uses in Classical Codified Literature

The bark is used against skin diseases and rheumatism¹⁴; the root juice is taken with milk to cure leprosy¹⁴; fresh bark is put in water to draw out the latex in it, which is taken orally in case of tuberculosis¹⁵; dried powder is administered orally to cure diarrhoea¹⁶; bark extract is given orally to get rid of intestinal worms¹⁷.

'Ayush-64 cap./tab.'¹⁸, prepared from this plant is effective as an antimalarial compound both for treatment and prophylaxis. Fifteen patents have been found on the medicinal applications like for use as an antipyretic¹⁹.



Source: http://www.mytho-fleurs.com/images/Fleurs_du_Vietnam/Alstonia_scholaris.jpg

Uses of *Cassia fistula* L.

NIF Database

Mouth sore

Juice extracted from the plant is kept on a banana leaf and the leaf is burnt. The ash is then applied on the affected part

-Purna Borah, Golaghat, Assam

Dysentery

Equal amount of bark of *Cassia*, *Mangifera indica* L., *Psidium guajava* L. and *Spondias pinnata* (L. f.) Kurz. is ground into a fine paste. Two spoonful of this paste are administered orally

- Niru Patangia, Sonitpur, Assam

Ringworm

Paste of the scrubbed tuber is applied on the infected part of the body for a few days

- Kumar Chandel, Hamirpur, Himachal Pradesh

Cough

Skin of the fruit is chewed in the morning

- Santoshben Gamar, Banaskantha, Gujarat

Stomachache

Decoction of the fruit and jaggery is taken orally

- Bhagwati Lal Kumawat, Chittorgarh, Rajasthan

Uses in Classical Codified Literature

Powder of dried bark is applied in case of leucoderma²⁰; fruit juice is taken in jaundice²¹; fruits are used as diuretic²¹; root powder is applied in skin diseases²¹.

Pilex¹⁰(Vein care) helps support metabolic processes involved in maintaining the vascular system's integrity for optimum health and appearance; Purim¹⁰ (Hemo care) is used for blood purification. Six patents has been found on the medicinal applications of *Cassia fistula* like as an antiviral²².



Uses of *Centella asiatica* (L.) Urban

NIF Database

Malaria

Take the decoction of the plant along with some other herbs thrice a day

- *Smit Yanueg Jamoh Lego, East Siang, Arunachal Pradesh*

Insomnia

Plant paste is taken along with food regularly

- *Khioram Barman, Borpeta, Assam*

Toothache

Equal proportions of brahmi leaves, onion and banana roots are ground to make a fine paste, which is applied on the aching tooth

- *Anil Gogoi, Sibsagar, Assam*

Memory enhancer

Juice extracted from the leaves is administered orally

- *Savitri Devi, Kangra, Himachal Pradesh*

Anorexia

Juice extracted from leaves (25g) is administered orally

- *Gamaliyal Hembrom, Hazaribag, Jharkhand*

Stomachache

Eating of fresh leaves helps alleviate stomachache

- *Krishna Chand, Kangra, Himachal Pradesh*

Dysentery

Paste of leaves along with black pepper is administered orally

- *Dipali Borah, Sibsagar, Assam*

Diarrhoea

Whole plant is ground and juice is extracted. Two spoons of the juice, with a pinch of salt, is administered orally twice a day for one week

- *Okshongbung Mamang Leikai, Bishnupur, Manipur*

Skin diseases

Leaves' paste is applied topically

- *Savitri Devi, Kangra, Himachal Pradesh*

Herbal tea

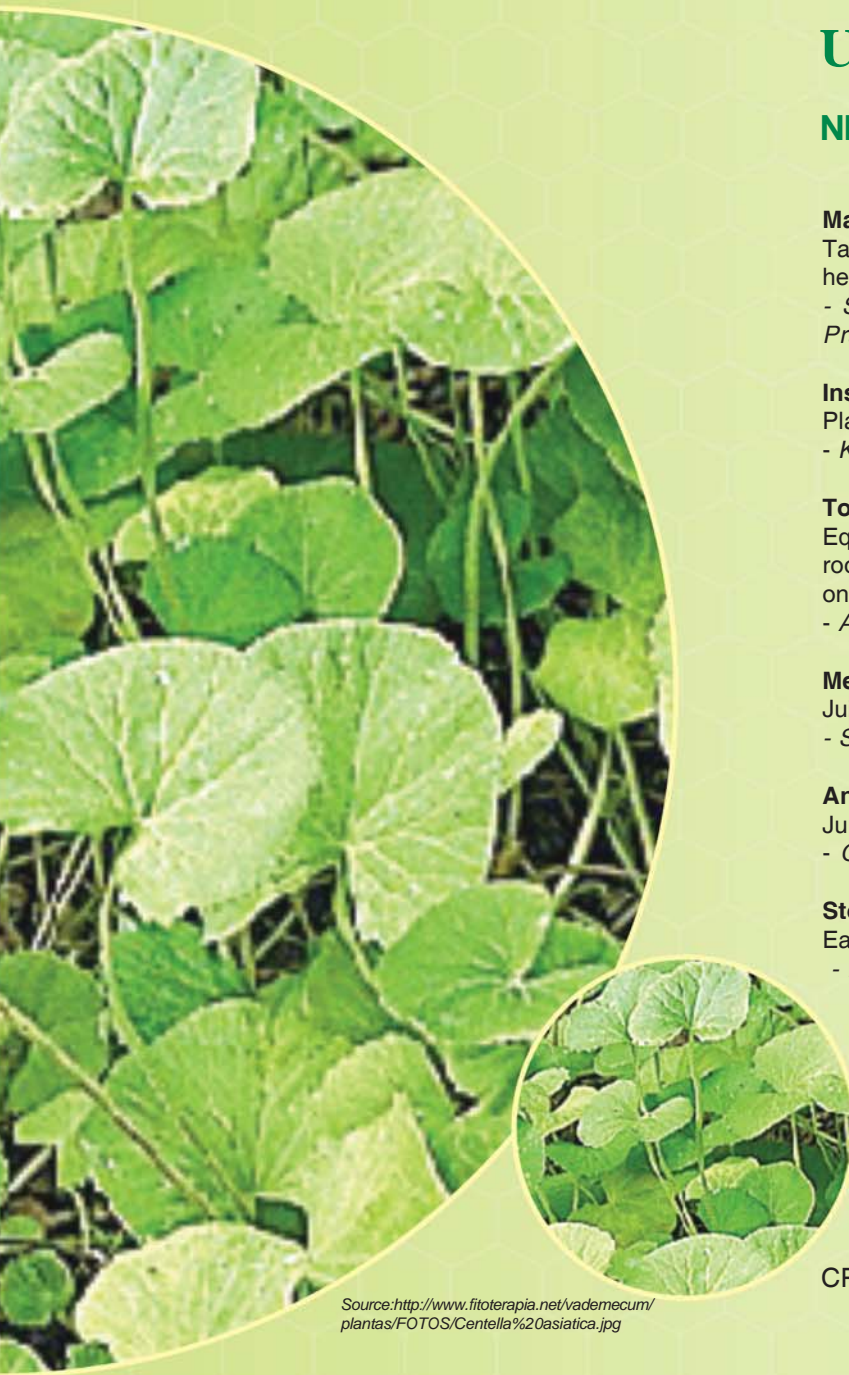
Tea is made using leaves of the plant to enhance immunity

- *Jasmit Singh, Hamirpur, Himachal Pradesh*

Uses in Classical Codified Literature

Fresh juice from aerial part is used as brain tonic²³; powder of aerial portion is taken to control high blood pressure²⁴; the whole plant is used as diuretic²¹; plant paste is applied as a poultice in case of bone fracture²¹.

'Herbal Tea'²⁵ is mainly indicated as a health drink. 'Mentat'¹⁰ improves mental functions, mental quotient, memory span, concentration ability and stress threshold. More than three hundred patents were found on its medicinal applications mainly on anti-depressant activity²⁶.



Source: <http://www.fitoterapia.net/vademecum/plantas/FOTOS/Centella%20asiatica.jpg>

Uses of *Ficus carica* L.

NIF Database

Cold

Fruit juice is administered orally to combat cold
- *Mehnaza Tabassum, Anantnag, Jammu & Kashmir*

Gastritis

Two tablespoons of powder of shade dried fruit is mixed in 200ml of water. The mixture is left over night and is taken next morning
- *Kumar Chandel, Hamirpur, Himachal Pradesh*

Kidney disorder

Ripe fruit is eaten
- *Roomi Jan, Anantnag, Jammu & Kashmir*

Cardiac problem

Juice (2 spoons) extracted from the fruit is warmed slightly and taken orally
- *Sarathy Maity, East Midnapur, West Bengal*

Blood purification

Fruit, if taken regularly, acts as blood purifier
- *Devaram, Sirohi, Rajasthan*

Bleeding piles

Two fruits are soaked in half a glass of water for twelve hours. This water is taken after twelve hours and same process is repeated until cured
- *Kumari Sarita, Sikar, Rajasthan*

Leucoderma

Bark powder (2 spoons) is given with water
- *Sarathy Maity, East Midnapur, West Bengal*

Corns

Fruit sap is applied on corns
- *Roomi Jan, Anantnag, Jammu & Kashmir*

Itching

Topical application of leaves extract is helpful
- *Dilber Shabir, Anantnag, Jammu & Kashmir*

Uses in Classical Codified Literature

Decoction of boiled fruit is taken orally to cure cough²⁷; milky latex is applied externally to get rid of warts²¹; juice extracted from fruit is taken in case of constipation²¹; fruit juice also acts as a laxative²¹.

Refreshing fruit pack¹⁰ prepared from fig rejuvenates the facial skin. Four patents have been found on medicinal applications of fig like in treating tumor²⁸ etc.



Source: http://www.profizahrada.cz/images_data/2837-ficus-carica-2.jpg

Uses of *Jatropha curcas* L.

NIF Database

Jaundice

Juices extracted from leaves and bark is mixed with jaggery. One tea-spoonful of this mixture is given orally
- *Dimbeswar Gogoi, Sibsagar, Assam*

Agnail

Latex is applied on the infected part
- *Atilik Baruah, Sibsagar, Assam*

Piles

Juice extracted from the leaves is given orally
- *Chingakham Binashaki Devi, Imphal West, Manipur*

Tumor

Leaves are warmed after smearing with oil and tied on the tumor
- *Madhav Shankar Rao Patil, Jalgaon, Maharashtra*

Skin disease

Paste made from the leaves is applied topically
- *Madhav Shankar Rao Patil, Jalgaon, Maharashtra*

Thorn pain

Latex of the plant is applied on the affected part
- *Madhav Shankar Rao Patil, Jalgaon, Maharashtra*

Eczema

Jatropha oil (60 g) and bee wax (30 g) is heated at 60° C and borax (1 g) is added in water (10 ml); both are mixed together and stirred slowly on simmer flame. The resultant ointment is applied on the infected area
- *Raghubir Agarwal, Hissar, Haryana*

Veterinary practice

Foot & mouth disease

Seeds are ground with latex of *Calotropis gigantea* R.Br. and edible oil in small amount. The paste obtained is applied topically
- *Gandubhai, Dang, Gujarat*

Uses in Classical Codified Literature

Bark powder is taken orally with water to get cured from pyorrhea²⁹; leaves are useful in ulcer²¹; young branches are warmed in fire and tied on the aching joint³⁰; latex is applied on the burnt part³¹.

'*Jatropha* tincture'³² is used as a disinfectant, antiparasitic and anticoagulant. Thirteen patents have been found mainly on the medicinal uses such as for cuts, burns and wounds³³.

Uses of *Kalanchoe pinnata* (Lam.) Pers.

NIF Database

Kidney stone

Extract the leaf juice and put a red hot iron rod in it. Let the juice cool down and take it in mornings on an empty stomach with either sugar or honey

- Monindranath Thakur, North Tripura, Tripura

Grind the leaves of the plant with a piece of turmeric and extract the juice. Add some jaggery and take the preparation for ten days.

- Dimbeswar Gogoi, Sivasagar, Assam

Take leaf juice orally once a day for 25-30 days.

- Guna Ram Khanikar, Golaghat, Assam

Injury

Put warmed leaves on the affected body part

- Onom T. Doming, East Siang, Arunachal Pradesh

Eye pain

Put two drops of the leaf juice in the eyes

- Susanta Kumar Manjhi, Birbhum, West Bengal

Stomach disorder

Take two spoonfuls of the leaf juice orally

- Susanta Kumar Manjhi, Birbhum, West Bengal

Diarrhoea

Take leaf juice orally along with some sugar

- Bikesh Kumar, Sitamarhi, Bihar

Cuts & wounds

Apply leaf paste topically

- Arun Ghosh, Bankura, West Bengal

Pain

Apply leaf paste topically

- Priyanka Pramanik, Purulia, West Bengal

Jaundice

Take the juice of leaves and black pepper orally

- Arunkumar Pandey, Fatehpur, Uttar Pradesh

Fever

Take the juice of leaves and black pepper orally

- Arunkumar Pandey, Fatehpur, Uttar Pradesh

Uses in Classical Codified Literature

Plant paste is applied on forehead to alleviate headache³⁰; leaf paste is applied externally to cure cuts and wounds³⁴; fresh sap of plant is used for eye diseases³⁵. Product 'Regenerating Day Cream'³⁶ a multiherbal medicine enhances skin's tone and elasticity, helping to smooth wrinkles and fine lines. Five patents were found on the medicinal applications of *Kalanchoe* mainly as an antiobesity³⁷ medication.



Source: NIF database

Uses of *Nyctanthes arbor-tristis* L.

NIF Database

Malaria

Grind the leaves of *Nyctanthes* with *Azadirachta indica* A. Juss., *Andrographis paniculata* (Burm.f) Nees, *Adhatoda vasica* Nees, *Swertia chirata* Buch.-Ham. in equal quantity to make a paste. Make small pills from it. Take one pill on an empty stomach during the malaria prone months.

- Pramod Nath, North Tripura, Tripura

Juice of the leaves is taken orally along with honey

- Prabati Kalita, Kamrup, Assam

Fever

Decoction of the leaves is given orally

- R.K. Bheirosana Singh, Bishnupur, Manipur

Intestinal worms

Juice of the flowers is extracted after squeezing them. Two spoonful of this juice are taken orally for two days with a pinch of salt

- Manoj Kalita, Kamrup, Assam

Hair fall

Seeds are crushed in water and the paste is applied on hair scalp

- Rani B. Bhagat, Pune, Maharashtra

Cough/cold

Paste is prepared using three leaves and black pepper. It is then taken orally with water

- Ashok Kumar Yadav, East Champaran, Bihar

Wound

Topical application of leaves' paste gives relief

- Ranjeet Kumar, Sheohar, Bihar

Pain

Fresh leaf paste is applied on the fractured part to alleviate pain

- Ramsharan Dhruv, Dhamtari, Chhattisgarh

Diabetes

Decoction of the leaves is taken orally for 40 days

- Shama Pravin, Gopalganj, Bihar

Juice of the leaves is taken orally

- Rani B. Bhagat, Pune, Maharashtra

Uses in Classical Codified Literature

Dried fruits are taken orally to get relief from cough³⁸; decoction of dried flower is given with jaggery as an anti-fertility agent in females³⁹; leaf juice is applied externally on ringworm and other skin diseases³⁹.

'Lupin'⁴⁰, is a medicine used for pain and inflammation associated with musculoskeletal and joint disorders. Six patents have been found on its medicinal uses such as in treating Leishmaniasis⁴¹ and also for its natural property as a dye⁴².



Source: <http://prathom.swu.ac.th/panmai/pic/7-10110-002-110.JPG>

Uses of *Phyllanthus emblica* L.

NIF Database

Stomach ulcer

Equal amounts of amla and *Terminalia chebula* Retz. are taken and powder is made. Two spoonful of powder, along with two spoonful of honey and four spoonful of water are taken, mixed properly and administered orally
- Guna Ram Kanikar, Golaghat, Assam

Diarrhoea

Juice of amla, with an equal quantity of lemon juice, is administered orally
- Bina Chaudhry, Kamrup, Assam

Gynecological disorder

Equal amounts of amla, tapioca and cumin are ground into a fine powder. One spoon of the powder is given orally to cure the disorder
- Guna Ram Kanikar, Golaghat, Assam

Eye irritation

Juice from ripen fruit is extracted and an equal amount of honey is added. One drop of the mixture is put in the eyes before going to bed at night
- Indira Chandel, Bilaspur, Himachal Pradesh

Diabetes

Equal amounts of amla, *Terminalia chebula* Retz., *Terminalia bellirica* Roxb. are ground into a fine powder. Two spoonful of this powder are given orally
- Pritam Chand, Kangra, Himachal Pradesh

Cough/cold

Powder is prepared from fruits (4) and *Glycyrrhiza glabra* L. (10g). 5g of this powder is taken with a glass of water
- Ved Prakash, Faridabad, Haryana

Jaundice

Equal amounts of amla fruit, ginger, black pepper and turmeric are ground into fine powder. One tea-spoonful of this powder is given with honey
- Nagarmal Bagaria, Nagor, Rajasthan

Wounds

Pounded leaves are applied on wounds
- Sevaram Bhaskar, Dhamtari, Chhattisgarh

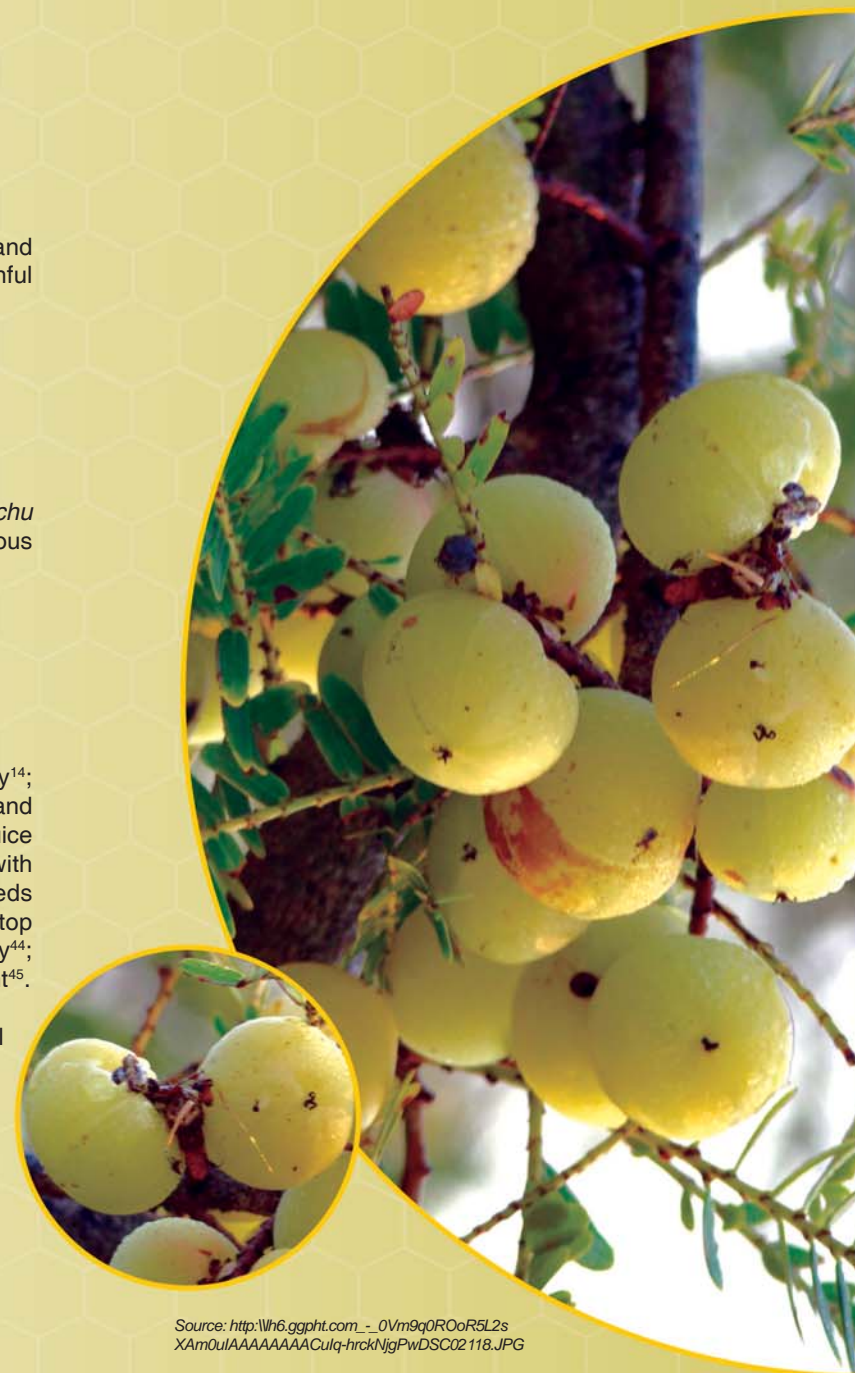
Poisonous bite

About 3-4 root pieces along with a leaf of *Areca catechu* L. are chewed to get relief from the effect of poisonous bites
- Anna Gangavarn, Osmanabad, Maharashtra

Uses in Classical Codified Literature

Bark and fruits are used in diarrhoea and dysentery¹⁴; fresh juice of the fruit, mixed with pure cow's butter and honey, is administered to cure obstinate hiccough¹⁴; juice relieves pain in urine trouble¹⁴; pulp (2-3g) is eaten with warm milk to get rid of headache⁴³; powder of seeds after mixing with ghee is applied on the head to stop nasal bleeding⁷; fruits are taken orally to reduce acidity⁴⁴; decoction of the fruit is taken to increase blood count⁴⁵.

Phyllanthus is one of the main ingredients of well known medicines 'Triphala, Chavanprash and Amla hair oil'¹⁰. Seventy-six patents have been found on its medicinal uses such as for diabetes⁴⁶, liver disorders and immune deficiencies⁴⁷.



Uses of *Solanum nigrum* L.

NIF Database

Tonsillitis

Equal amount of leaves of *Solanum* and *Alpinia galanga* Willd. are ground and tablets prepared from it. One tablet is administered orally twice a day

- Yumnam Rajenkumar Singh, Imphal West, Manipur

Stomachache

Leaves of *Solanum*, neem and *Vitex negundo* L. are fried and administered orally twice a day

- Moirangthem Mani Devi, Imphal West, Manipur

Nasal bleeding

Dry fruit (25g) is boiled in mustard oil (100g). The oil is filtered and applied on the forehead

- Sahim Ansari, Lohardaga, Jharkhand

Mouth ulcer

Leaves are chewed

- Shripal Singh, Bulandshahar, Uttar Pradesh

Cough

Juice extracted from the roots is taken orally

- Priyanka Kumari, Gopalganj, Bihar

Leaves of makoi (200g) are fried in mustard oil (20ml) and administered with little salt

- Sukhai Mali, Faridabad, Haryana

Jaundice

Juice extracted from the roots is administered orally

- Suman Kumari, Gopalganj, Bihar

Uses in Classical Codified Literature

Powdered fruit is given orally to reduce fever³⁰; juice extracted from the whole plant is applied externally on the burnt part⁴⁸; poultice of the plant is placed on the aching joint⁴⁹; fruits are ground and taken orally to cure diarrhoea⁵⁰.

'Herbolax'¹⁰ made from *Solanum* along with other plants is used as gentle laxative in case of constipation and for electrolyte balance. Ninety patents were found on its medicinal uses mainly on hepatitis^{51,52}.

Uses of *Tinospora cordifolia* (Willd.) Miers ex Hk. f. & Th.

NIF Database

Worms

Soak the stem overnight in a cup of water after removing its bark. Take the juice of the stem once a day for three days on an empty stomach in morning
- Pramod Nath, North Tripura, Tripura

Jaundice

Juice extracted from stem is administered orally till cured
- D. K. Phukan, Guwahati, Assam

Piles

Whole plants (50g) are boiled, dried and ground into a fine paste. Tablets are then prepared and one tablet is administered orally to the patient thrice a day for 3-5 days
- Pukhram Angouba Singh, Bishnupur, Manipur

Migraine

Stem of the plant (250g) is boiled in water along with green gram (250g) and sesame oil (250ml) till half of the decoction remains and then applied on the forehead
- Stedimon Arackal Paul, Port Blair, Andaman & Nicobar Island

Asthma

Juice is extracted from the leaves and two spoonful are administered orally with honey for 40-42 days
- Ramabandhu Mahajan, Jalgaon, Maharashtra

Diabetes

Fresh leaves (1-2) are taken empty stomach
- D. K. Phukan, Guwahati, Assam

Powder of the leaves (¼ spoon) is taken regularly
- Patel Singh, Hissar, Haryana

Rheumatism

Plant (25g), dry ginger (5g) and sesame oil (5g) is mixed and soaked in water overnight and next morning the mixture is filtered and administered
- Jagjit Bahadur, Sitapur, Uttar Pradesh

Veterinary practice

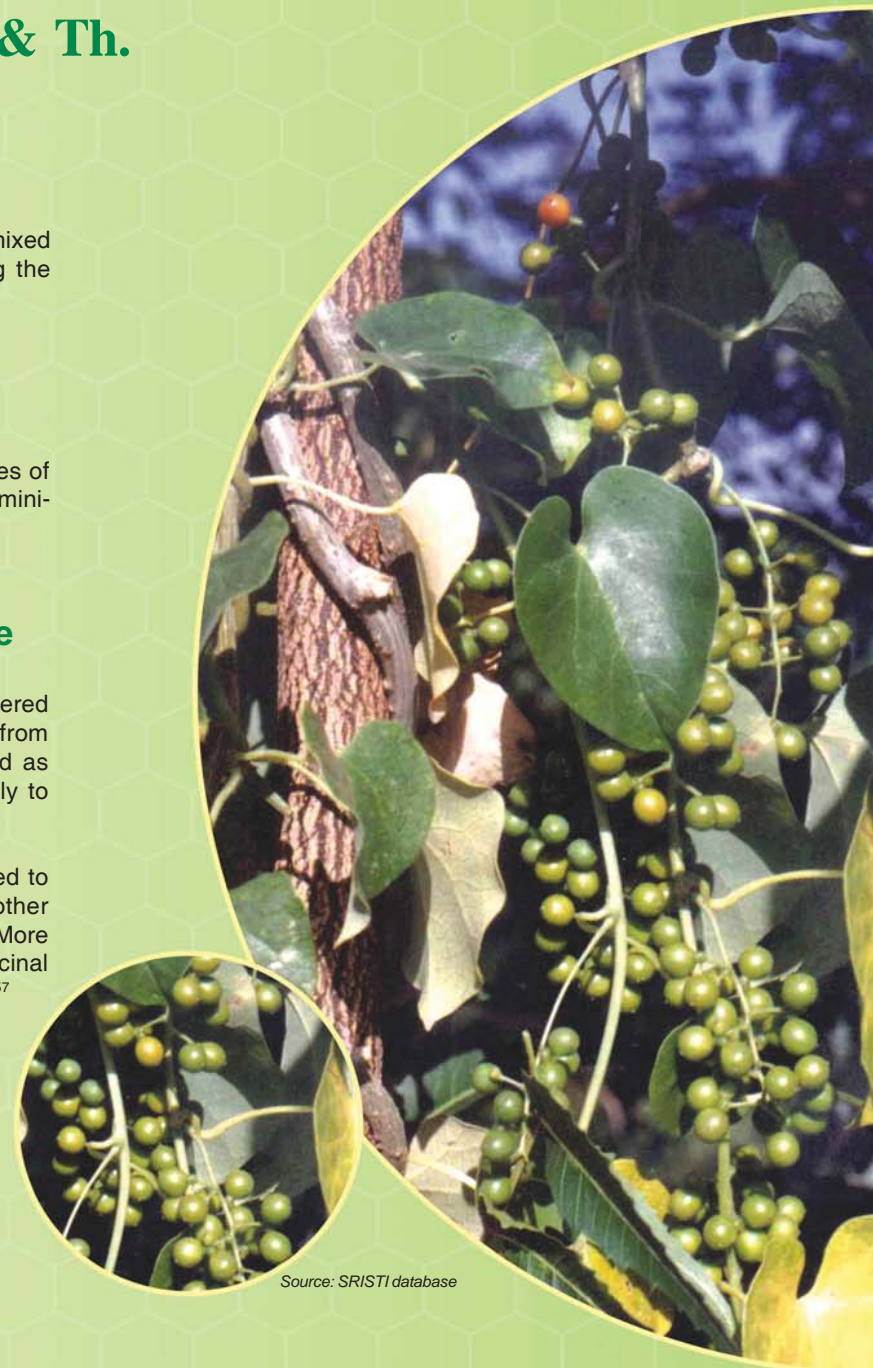
Anestrous

Plant, along with bark of *Cassia fistula* L. and leaves of *Artocarpus heterophyllus* Lam., is ground and administered orally
- Honnegowda, Bengaluru rural, Karnataka

Uses in Classical Codified Literature

Powdered roots are taken for mouth ulcer⁵³; powdered plant is administered orally with honey to get relief from stomach disorder⁵⁴; the stem is bitter and is used as anthelmintic²¹; decoction of the plant is given orally to cure diarrhoea⁵⁵.

Tinospora is a well known medicinal plant and used to cure a number of diseases in combination with other plants with brand names 'Geriforte, Diabecon¹⁰' etc. More than hundred patents have been found on its medicinal applications such as an antiallergic⁵⁶, for cancer⁵⁷ etc.



Source: SRISTI database

Herbal Formulations for Healthy Crops~

SRISTI SHASTRA

Arkhiben Vankar, Ranabhai Kamaliya, Banidan Gadhvi, Gemal Rana, Rajnikant Patel, Ahmadbhai Kadivala, Gujarat.

It flourishes the growth of the plant by increasing flowering as well as fruiting besides overall vegetative growth, without being harmful to nature as well as human beings. It also helps in controlling sucking pests like white fly, heliothis, aphid etc.

SRISTI KRUSHAK

Popatbhai Rupabhai Jambucha, Gujarat

It is an excellent remedy for leaf curl disease, which not only controls the disease but simultaneously increases the vigor of the plants by increasing its overall growth.

SRISTI SURAKSHA

Community Knowledge, Gujarat

It is a very efficient treatment for termite and acts as a vitaliser to the affected crops. To control termites the herbal formulation is mixed with sand and is spread in the field, some times it is released in field with the flow of irrigation water. In some cases it is also drenched in the affected part of the plant as well as sprayed on the vegetation to repel termites.

SRISTI PRAYAS

Community Knowledge, Gujarat

It is a highly effective formulation to act as a herbal growth promoter, which also stops shedding of flowers as well as increases the overall growth of the plant. This formulation strengthens the plants internally and enables them to withstand extreme weather conditions.

SRISTI SHAKTI

Community Knowledge, Gujarat

A herbal growth promoter, which helps in production of excellent quality organic food grain. Constant use of this formulation not only increases the yield but also reduces the toxic contamination in our food and environment.



Herbal Formulations for Livestocks and Poultry~

Coccicure

Sudakarbhai K. Gaudi & Jeevalbhai M. Gaudi, Dang, Gujarat

It is a unique herbal medication for prevention and curing of Coccidiosis (*Eimeria* sp infections) in Poultry. The primary function of the medication is to reduce the oocytes maturation and affects the life cycle of various *Eimeria* species.

Poultmax

Community knowledge, Valsad, Dang, Gujarat

It is a unique herbal medication for promoting immunity in poultry. It cures symptoms like greenish diarrhoea, conjunctivitis, nasal sputum, drop in egg production and respiratory distress in poultry. About 30g/100 birds for 0-4 weeks & 60g/100 birds for 4-8 weeks may be administered for seven days in stress or for three days before & three days after expected stress.

Mastiherb

Ukhardiyabhai S. Raot, Dang, Gujarat

Mastiherb is a unique intramammary herbal medication for curing mastitis in animals. Clinical trials indicated efficacy of the medication over subclinical mastitis; clinical mastitis & chronic mastitis. It was also validated in case of mastitis due to *Staphylococcus aureus*. The dose rate was found to be single intra mammary infusion for minimum three days after adequate standardization.



~These formulations are based on traditional knowledge of farmers and developed by Sadbhav-SRISTI Sanshodhan Laboratory (www.sristi.org). These products are licensed to Matrix Biosciences Pvt. Ltd, Hyderabad, Andhra Pradesh. The benefits are shared with the knowledge providers, communities, nature, those who add value and other stakeholders in the knowledge and value chain.

