

## **Jyotismati (*Celastrus Paniculatus*)**



### **Introduction**

ज्योतिषा शुभ्रबिन्दुभिर्युक्तं काण्डमस्याः  
ज्योतिर्मधा तत्प्रदत्वाच्च, ज्योतिरयिः तद्वती उष्ण वीर्या च।

Stem of Jyotismati is having white shining dots (Lenticels), it improve intellect and having hot potency.

**Celastrus** - Privet, a bushy ever green shrub paniculata - Having panicle inflorescence.

**Family:** Celastraceae

### **Synonym:**

ज्योतिष्मती स्यात्कटभी ज्योतिष्का कङ्कनीति च।  
पारावतपदी पण्या लता प्रोक्ता ककुन्दनी।। (भा.प्र. हरीतक्यादिवर्ग 171)

- Jyotishmati (Intellectual properties)
- Kakandaki (Fruits resemble crows' eggs) Kanguni (Yellow Coloured oil)
- Paravatpadi (Jyotishmati Looks like a pigeon's legs)

तला वल्लीरूपा

Jyotishmati is a climber

सूक्ष्मफल—ह्रस्वफला

Fruits are small in size.

**Vernicular Name:**

- Hindi : Malkangani
- English: Staff tree

**Classical Categorisation:**

- Acharya Charaka : Shirovirechanopaga
- Acharya Sushruta :Arkadi Gana
- BH. R.NI : Haritakyadi varga

**Vareities**

1. Celastrus montana
2. Celastrus multiflora
3. Celastrus nutans
4. Celeastrus senegalensis
5. Celastrus spinoses

**Morphology:**

**Habitat** - A large deciduous climber.

**Stem** - 18 Mtrs high and maximum 23 cm in diameter. Twigs fairly smooth, reddish brown

**Bark** - Pale brown, rough with shallow cracks exfoliating in small soft scales. Blaze is 0.75-1 cm in thickness, not fibrous, pink finely streaked with red or radish brown. The juice turning blue on the blade of a knife.

**Leaves** - 6 to 10 cm long, 4 to 8 cm wide, broadly elliptic ovate or obovate, abruptly short acuminate, crenate-serrate, rather coriaceous, glabrous, lateral nerves are arching. Petiole is 8-15 mm long.

**Flowers** - 4 cm in diameter and green colored flowering is from February to April.

**Fruits:**

Capsule, 1 cm in diameter, depressed globose, 3-lobed, bright yellow on ripening 3-6 seeds.

**Seeds –**

- Completely enclosed in an orange-red aril.
- Colour - Reddish brown
- Taste - Bitter
- Odour – Unpleasant

**Chemical composition:**

Seeds contain 62% oil which is thick reddish yellow in colour, Tannin, Celapangine, Celapanine, Celastin, Celestrol, Paniculatine, Malkangunin, B-amyrin and b-sitosterol.

**Rasadi panchaka:**

- Rasa: Katu Tikta
- Guna: Tiksna, Sara, Snigdha
- Vipaka : Katu
- Virya : Usna

**Karma (Action):**

- Medhya,
- Buddhi vardhaka,
- Smritivardhaka
- Varnya

**Dosakarma:**

Vatakaphasamaka, Vatsamaka because of its Usna virya and Kaphasamaka because of usna virya, Katu vipaka and katu tikta rasa.

**Pharmacological Actions:**

Jyotismati improves intellect.

लवणा –लुनाति छिनति रोगानिति ।

Jyotismati alleviates many diseases.

- Appetizer,
- Stimulant
- Emetic and Digestive

**Therapeutic Indications:**

- Manasika vikara
- Vrana
- Visarpa
- Pandu
- Vaivarnya
- Agnimandya

## **Amayika Prayoga:**

### **1. Sidhma (White spotted leprosy):-**

The oil of Jyotismati (*Celastrus paniculatus*) is processed with water mixed with Apamarga ksara (Alkali of *Achyranthes aspera*) and decanted for 7 times. Massaging this oil on skin lesions will cure Sidhma (White spotted leprosy).

### **2. Udara (Ascitis)**

Internal usage of Jyotismati (*Celastrus paniculatus*) oil which is mixed to milk and then Swarjika alkali, and Hing (*Ferula narthex*) added will cure Udara (Ascitis)

## **Matra (Dosage):**

- Taila (Oil): 5-15 drops
- Churna (Powder): 1-2gm

## **Formulations:**

Jyotismati taila

It is the oil extracted from its seeds. It is extensively used in skin diseases.

## **Indications:**

Manasika vikara, Medhya karmartha

## **Adulterants:**

Seeds of *Cardiospermum helicacabum* Linn.

Fruits of *Duranta* species

## **Research corner:**

1. Antidepressant
2. Anti-arthritis
3. Wound healing
4. Antioxidant