

Tabernaemontana coronaria R. Br.

Systematic Position

Kingdom: Plantae

Division: Magnoliophyta

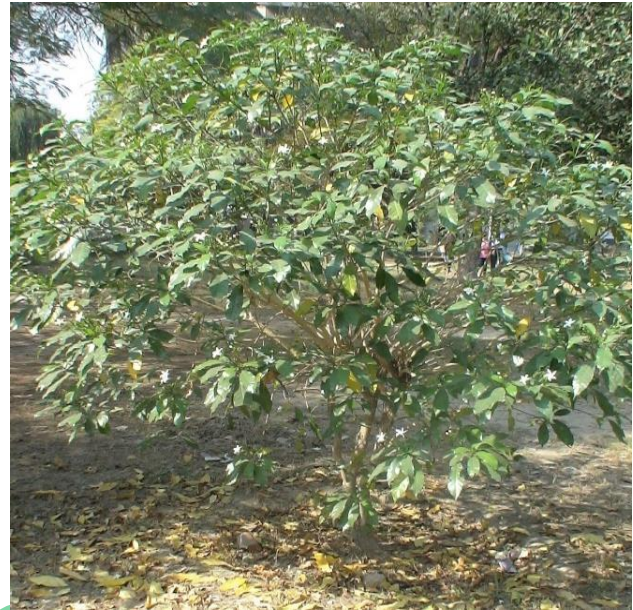
Class: Magnoliopsida

Order: Gentianales

Family: Apocynaceae

Genus: *Tabernaemontana*

Species: *coronaria*



Popular names: Crepe Jasmine Tabernaemontana, Tagar, Jasmine, Chandni.

Nature: Shrub

Flowering time: June to December

Plant distribution: It is native to parts of India, China, and Thailand.

Gardening notes:

- 1. Light:** It grows well in full sun.
- 2. Moisture:** It is drought tolerant plant.
- 3. Propagation:** From stem cuttings.

Economic importance:

1. It is grown as an ornamental plant along road sides.
2. The latex of the plant in guinea pig cardiac effects may be of use in restoring cardiac rhythm in patients with cardiac arrest.

Plant description: An evergreen shrub reaching to a height of 10 feet.

Root- Tap root, branched; **Stem-** Aerial, erect, solid, woody, cylindrical, green, glaucous, branched; bark light brown, rough.

Leaf- Simple, opposite, large, adaxial surface dark green, abaxial surface light green, glaucous, elliptic-oblong, lanceolate, acuminate, entire and wavy margins, prominent midrib and veins, unicostate reticulate venation, petiolate, petiole small, green.

Inflorescence- Cymose.

Flower- Complete, hermaphrodite, actinomorphic, regular, hypogynous, pedicellate, pedicel green, small, bracteate, bracts minute, green; **Sepals-** 5, green, gamosepalous, inferior, valvate aestivation; **Petals-** 5, gamopetalous forming a corolla tube, white lobes with green corolla tube. corolla tube long, lobes with green tinge on both sides, inferior, twisted aestivation; **Stamens-** 5, epipetalous, included in the corolla tube, introrse, inferior, filaments small, green, anthers light yellow, basifixed, longitudinal dehiscence; **Carpels-** 2, syncarpous, ovary superior, yellow, round, small, bilocular, axile placentation, style long, creamish, tubular, thin, stigma hairy.



Closer view



Bark



Leaves



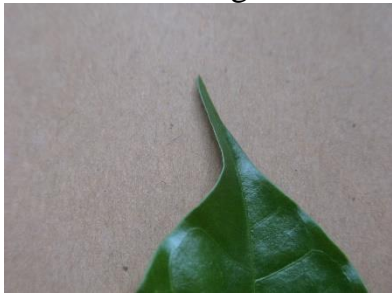
A twig



Adaxial surface of leaf



Abaxial surface of leaf



Acuminate apex



Glaucous



Inflorescence



Flowers



Calyx



Corolla tube



Contorted aestivation



Stamens



Basifixed anthers



Gynoecium



Hairy stigma

Flora of KCH