



SIGMA<sup>®</sup>  
UNIVERSITY

CHAMPA





## **Synonyms:-**

- Hindi: चंपा, सोन चंपा
- Gujarati: ચપો (Champo)
- English: Champa, Champak, Frangipani

## **Botanical Name :-**

- *Magnolia champaca* (previously *Michelia champaca*)

## **Family :-**

- Magnoliaceae

## **Chemical Constituents (C.C):-**

- Contains volatile oils rich in sesquiterpenes like  $\beta$ -elemene,  $\gamma$ -muurolene,  $\beta$ caryophyllene.
- Other compounds: cineole, isoeugenol, benzoic acid, benzyl alcohol, flavonoids like quercetin, alkaloids, saponins, tannins, sterols, triterpenoids

- These contribute to its antimicrobial, antiinflammatory, antioxidant, and analgesic effects.

## Uses:-

- Flowers are used in religious ceremonies, hair decoration, garlands, and as natural perfume
- Essential oil from flowers is a key ingredient in perfumes and aromatherapy- Wood is used for furniture, cabinetry, and constructionz
- Traditional medicine applications include treatment for dysuria, infections, inflammation, rheumatism,
- digestive and respiratory issues, and promoting heart health- Flowers attract pollinators like bees and butterflies

## Market Presentation: -

- Sold as fresh fragrant flowers, essential oils, and perfumes- Used in incense and as decorative floral products