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**UNIVERSITY**

# Champa



## **Synonym:**

- Gujarati: Sonchafa / Swarna Champa
- Hindi: Champa / Sonchampa
- English: Golden Champa / Yellow Champak / Joy Perfume Tree

**Botanical name:** *Michelia champaca* Linn.  
(syn. *Magnolia champaca*)

**Family:** Magnoliaceae

## **Chemical Constituent:**

- Alkaloids: Michelia alkaloids
- Flavonoids: Quercetin, Kaempferol derivatives
- Essential oils: Linalool,  $\beta$ -caryophyllene, methyl anthranilate, eugenol
- Other phytochemicals: Saponins, tannins, glycosides

## **Therapeutic Effect:**

- Anti-inflammatory – reduces swelling and pain

- Antimicrobial – effective against bacteria and fungi
- Antioxidant – protects against oxidative stress
- Antipyretic – lowers fever
- Cardioprotective & hepatoprotective – supports heart and liver health
- Aromatic & calming – used in perfumery and aromatherapy

## **Marketed preparation:**

- Ayurvedic oils and powders (Champa oil for massage and aromatherapy)
- Herbal perfumes and incense sticks (widely marketed for fragrance and relaxation)
- Traditional formulations in Ayurveda for fever, inflammation, and skin disease

## **Key Constituents:**

- Linalool – fragrance, antimicrobial
- $\beta$ -caryophyllene – anti-inflammatory

- Methyl anthranilate – aromatic compound
- Quercetin & Kaempferol – antioxidant flavonoids

## **Uses:**

- Treatment of fever, inflammation, nausea, and ulcers
- Used as a stimulant, astringent, and purgative in traditional medicine
- Helpful in skin diseases and wound healing