



SIGMA[®]
UNIVERSITY

TECOMA STANS





Synonyms:-

- Hindi: पीली घंटा (Peeli Ghanta)
- Gujarati: પીલો બેલગમ (Pilo Belgam)
- English: Yellow Elder, Yellow Bells, Yellow Trumpetbush

Botanical Name:-

- *Tecoma stans* (L.) Juss. ex Kunth

Family:-

- Bignoniaceae

Chemical Constituents (C.C):-

- Contains various phytochemicals including flavonoids, alkaloids, saponins, tannins, and organic acids.
- Flowers and leaves have antioxidant, anti-inflammatory, and antimicrobial compounds.
- Rich in phenolic compounds and diterpenes contributing to medicinal effects.

Uses:-

- Ornamental tree for gardens, streets, hedges, and parking lots due to bright yellow trumpet-shaped flowers. Medicinal uses include treatment for diabetes, digestive disorders, cancer, arthritis, and inflammation.
- Attracts pollinators like bees, butterflies, and hummingbirds.
- Used in traditional medicine systems for its hypoglycemic, antioxidant, antitumor, and antimicrobial properties.

Market Presentation:-

- Mostly sold as live plants for landscaping.
- Extracts and herbal formulations made for medicinal purposes.

- Easy propagation from seeds and cuttings aids commercialization.