

Evaluation of Antimicrobialactivity on *Tacoma Stans L.*

Mr. Prasad Balasaheb Aher, Mr. Moin Mehboob Kazi, Mr. Shubham Chandrakant Gadge
Samarth Institute of Pharmacy, Belhe, Pune, Maharashtra, India

Abstract: *The dicotyledonous herb Tecoma stans (L.) Kunth, which is frequently called “Piliya” in Rajasthan, is a member of the Bignoniaceae family and is commonly grown for its flowers in both regular gardens and temples. Bignonia stans is another name for it. It has numerous pharmacological and therapeutic uses. There are documented medical uses for almost every component of the plant, including the leaves, roots, flowers, seeds, fruits, and bark. Tecoma stans is a potent diuretic, vermifuge, tonic, and herbal remedy used to treat diabetes, digestive issues, and yeast infections. This plant has tannins, flavonoids, alkaloids, quinones, and trace amounts of saponins and amino acids, according to a preliminary phytochemical screening. This evaluation validates all current data about its phytochemical and pharmacological properties as well as its historical applications. People have been using plants, particularly herbs, as medicines since ancient times. Tecoma stans is a species of perennial flowering shrub in the Bignoniaceae family. It is used to treat a variety of illnesses, including diabetes, yeast infections, and stomach Pain. Its properties include antimicrobial, antitumor, anti-inflammatory, anti-diabetic, and Antioxidant. Owing to the flower is commonly called yellow bells due to its appearance as a Bright yellow bell-shaped blossom. It is used in many pharmacological and medicinal Applications. There is medicinal use for every part of the plant, including the leaves, roots, Flowers, seeds, and bark. The pharmacological and phytochemical components of this plant are The main topic of this review.*

Keywords: *Tecoma stans L., pharmacological, antimicrobial, flavonoids, bigoniaceae, yellow bells.*