



## **Bharangi (*Clerodendrum serratum* Linn.)- Therapeutic Uses in Wound Healing (Insights from Phytochemical and Physicochemical Studies)**

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### **Abstract**

Bharangi (*Clerodendrum serratum* Linn.), a revered Ayurvedic herb, shows significant potential in wound healing (*vrana roga chikitsa*). Traditionally valued for *shothahara* (anti-inflammatory) actions, its efficacy stems from bioactive compounds including flavonoids, triterpenoids, and phenolics. Phytochemical studies identify key constituents such as ursolic acid (0.05–0.1% w/w) and acteoside (0.5–1.5% w/w) that reduce inflammation and enhance epithelialization.

Physicochemical parameters, including alcohol-soluble extractives (8–12%) and pH (5.5–6.5), support quality standardization. Preclinical excision wound models in rats demonstrate 85–92% contraction by day 14 with ethanolic extracts (100–200 mg/kg). Bharangi represents a safe, cost-effective option for chronic wounds, warranting further clinical validation.

**Keywords,** Bharangi, *Clerodendrum serratum*, wound healing, phytochemicals, physicochemical standardization, Ayurveda

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