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PII: S0378-8741(14)00856-3  
DOI: <http://dx.doi.org/10.1016/j.jep.2014.11.039>  
Reference: JEP9159

To appear in: *Journal of Ethnopharmacology*

Received date: 20 March 2014  
Revised date: 13 October 2014  
Accepted date: 23 November 2014

Cite this article as: Nidhi Sengar, Apurva Joshi, Satyendra K Prasad, S Hemalatha, Anti-inflammatory, analgesic and anti-pyretic activities of standardized root extract of *Jasminum sambac*, *Journal of Ethnopharmacology*, <http://dx.doi.org/10.1016/j.jep.2014.11.039>

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## CLEAN MANUSCRIPT

### Anti-inflammatory, analgesic and anti-pyretic activities of standardized root extract of *Jasminum sambac*

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## ABSTRACT

**Ethnopharmacological relevance:** The plant *Jasminum sambac* L. (Oleaceae) is cultivated throughout India. The leaves and roots of the plant are used traditionally in the treatment of inflammation, fever and pain. The leaves of the plant have been reported to possess significant anti-inflammatory and analgesic activities.

**Objective:** To scientifically validate anti-inflammatory, analgesic and anti-pyretic activities of roots from *J. sambac*.

**Methods:** Ethanol root extract of *J. sambac* (EJS) was standardized using HPTLC and was subjected to acute oral toxicity study. Further, analgesic activity of EJS at 100, 200 and 400 mg/kg, p.o. was evaluated using writhing test on Swiss albino mice and tail-flick test on Charles Foster albino rats. Anti-inflammatory activity of EJS was assessed by carrageenan-induced rat paw oedema, cotton

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