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UNIVERSITY

Ixora





Synonym

- Gujarati: ગરબલે ,નેવરી
- Hindi: रुग्मिनी, रंगन
- English: Jungle flame, Jungle geranium

Botanical name

- *Ixora coccinea*

Family

- Rubiaceae

Chemical Constituents

- Flavonoids (like rutin, quercetin, kaempferol glycosides), triterpenoids (ursolic acid, lupeol, oleanolic acid), tannins, saponins, anthocyanins, fatty acids (stearic acid, oleic acid, linoleic acid), and sterols.
- Flowers: Rich in flavonoids
- Roots: Contain fatty acids
- Leaves: Reported to contain tannins, flavonoids, and other bioactive compounds like ixoratannin A-2 and epicatechin.

Therapeutic Uses

- Antioxidant: Fights free radicals, which can help prevent various diseases.
- Antimicrobial: Exhibits antibacterial activity, particularly against wound-infecting pathogens.
- Anti-inflammatory: Can reduce swelling and inflammation.
- Anticancer/Chemopreventive
- Wound healing: Accelerates the healing of cutaneous wounds by promoting fibroblast growth and collagen production.

Marketed Preparations

- **Natural Colorants:** Dried and powdered *Ixora coccinea* flowers can be used as a natural red colorant in cosmetic products like lipsticks, rouge, and eyeshadow.
- **Medicinal Properties:** The plant is valued in traditional medicine for various ailments, including skin diseases, and as a blood purifier.