

# **A Review On Catharanthus Roseus**

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**Abstract:** *Fungal infections represent a significant health challenge, often complicated by the emergence of drug resistance and adverse effects associated with conventional antifungal agents. In this context, herbal medicines are gaining recognition as safer and more sustainable alternatives. Catharanthus roseus (commonly known as Madagascar periwinkle or Sadafuli) is a well-known medicinal plant used in traditional systems such as Ayurveda and folk practices. Its foliage contains diverse bioactive compounds including alkaloids, flavonoids, tannins, and phenolics, which are linked to strong antimicrobial and antifungal activities. Research findings indicate that leaf extracts of Sadafuli are effective against pathogenic fungi like Candida albicans, Aspergillus niger, and Fusarium species. The antifungal mechanisms are thought to involve disruption of cell membranes, suppression of spore germination, and inhibition of fungal enzymes. Owing to its phytochemical diversity, Sadafuli leaves demonstrate considerable potential as a natural antifungal resource and could serve as a valuable component in polyherbal formulations to enhance therapeutic efficacy.*

**Keywords:** History, Introduction, Classification, Morphology, Chemical constituents, Mechanism, Activity

