

# A Review on Polyherbal Antifungal Ointment

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**Abstract:** Fungal infections are a significant global health concern, often requiring prolonged treatment with anti-fungal agents that may have adverse effects or lead to resistance. This study focuses on the formulation and evaluation of a poly-herbal anti-fungal ointment incorporating extracts from pomegranate (*Punica granatum*), bael (*Aegle marmelos*), and papaya (*Carica papaya*). These medicinal plants are known for their potent antifungal, antimicrobial, and wound- healing properties. The herbal extracts were obtained using suitable solvent extraction methods and incorporated into an ointment base using standard formulation techniques. The prepared ointment was evaluated for physicochemical properties, including spreadability, pH, viscosity, homogeneity, and stability. In vitro antifungal activity was assessed against common fungal pathogens such as *Candida albicans* and *Aspergillus niger* using the agar well diffusion method. Results indicated that the formulated polyherbal ointment exhibited significant antifungal activity, comparable to standard antifungal formulations. The formulation was stable, non-irritant, and showed good spreadability and consistency. This study highlights the potential of combining herbal extracts in topical formulations for safe and effective antifungal therapy.

**Keywords:** polyherbal ointment, antifungal, pomegranate, bael, papaya, formulation, evaluation

