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A Review on the Neem Tree: Unveiling Nature's Extraordinary Healing Secret

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ABSTRACT

Neem (*Azadirachta indica*) one of the important herbal product has gained substantial recognition due to its multifaceted therapeutic effect. This comprehensive review aims to elucidate the therapeutic beneficial effects of neem across various health domains. Neem's pharmacological profile encompasses its potent antibacterial, antiviral, antifungal, and anti-inflammatory attributes. It contains 60 different types of biochemically active components including steroids and terpenoids. It has bioactive compounds like nimbin, nimbidin, and azadirachtin. The therapeutic effect of neem extends prominently into dermatology, showcasing efficacy in addressing skin disorders such as acne, eczema, and dermatitis due to its antimicrobial and anti-inflammatory prowess. Additionally, neem extracts shows wound healing properties, promoting tissue regeneration and helps in the management of various wounds and ulcers. Neem's inherent insecticidal properties contribute to its use in personal care products like herbal shampoos and soaps, which act as a natural remedy for scalp problems. Furthermore, Neem's formulation aims to leverage neem's immunomodulatory and antioxidant characteristics to support overall health and wellness. This abstract highlights the potential benefits of neem-based herbal products as an effective and natural solution for various health and skincare applications.

Keywords: *Azadirachta indica*, Nimbin, nimbidin, azadirachtin, eczema.

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