

# Design, Development and Characterization of Herbal Gargle Against Throat Infection

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**Abstract:** Herbal gargles have gained significant attention as potential alternatives to conventional oral care products due to their perceived natural composition and reported therapeutic benefits. This review aims to provide a comprehensive overview of the efficacy of herbal gargles in promoting oral health and preventing various oral ailments. Our oral cavity is a sweet able place to grow different types of bacterial species either harmless or harmful for human. From ancient age medicinal plants are considered as a store room of different types of biological activity in Ayurveda, Unani and Siddha, and have important role to cleanse tooth and prevent different human pathogens are responsible for unpleasant odour, inflammation of teeth root, dental plaque. The study evaluates a wide range of herbal ingredients commonly found in mouth gargles, including essential oils, plant extracts, and traditional herbal remedies. It explores their antimicrobial properties, antioxidant activity, and potential for reducing plaque formation, gingivitis, and bad breath. In this research work herbal gargle was evaluated depends on various parameter like color, pH, Phase separation, Homogeneity and antibacterial properties. Herbal gargles show potential as adjuncts to conventional oral car, Herbal gargle is suitable for any age group due to less side effect.

**Keywords:** Gargle, *Syzygiumcumini* Linn, Excipient profile, Formulation, Extraction , Evaluation