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Formulation and Evalution of Polyherbal Ointment for Wound Healing and Anti-Microbial Activity

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Abstract: *AIM: Formulation And Evaluation Of Poly Herbal Ointment For Wound Healing And Anti-Microbial Activity*
Objective: Any physical harm involving tearing, cutting, or puncturing the skin is called a wound.. Numerous medications derived from plants have been shown to speed up the healing of various wound types. The goal of the current study was to create a herbal formulation with herbs that have been shown to improve cell migration and proliferation as well as reduce infection and inflammation and speed up the healing process. The use of herbal medicines and interest in them has grown significantly in recent years, even in places with access to contemporary medical care. Because medicinal plants are the richest source of plant-derived compounds and herbal medicines, there has been a recent surge in interest in these products due to their wide range of applications.
MATERIAL AND METHOD: The goal of this work is to manufacture and assess an ointment made of extracts from turmeric (Curcumalonga) and neem (Azadirachta indica).The maceration process was utilized to create the ethanolic extracts.After preparing the ointment base, the extract was incorporated into it using the levigation procedure to formulate the ointment. Its physicochemical properties, such as color, odor, pH, spreadability, extrudability, consistency, diffusion studies, solubility, and washability, were assessed once the formulation was finished. Additionally, the formulation's stability at different temperature circumstances was assessed, and the results of the diffusion, spreadability, and irritancy studies remain unchanged. Thus, it might develop into a medium for utilizing the therapeutic qualities of turmeric and neem in an easy-to-use dose form.

Keywords: Calophyl luminophylum, Dodonaea, Azadirachta indica, wound healing.