

To Formulation and Evaluation of Antribacterial Cream for the Dalgaria Sissoo Plant Extract

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Abstract: *The present study focuses on the formulation and evaluation of an antibacterial cream incorporating plant extracts from Dalbergia sissoo (commonly known as Sisso). With the rising resistance to synthetic antibiotics and consumer preference for herbal products, the antibacterial potential of Sisso was explored for topical applications. Ethanolic extracts of Sisso leaves were prepared and incorporated into a cream base using standard pharmaceutical excipients. The formulated cream was evaluated for its physical characteristics, including pH, viscosity, spreadability, and stability, along with in vitro antibacterial activity against common skin pathogens such as Staphylococcus aureus and Escherichia coli. Results indicated that the cream demonstrated good consistency, stability, and significant antibacterial activity, suggesting its potential use as a natural alternative in treating skin infections. This study supports the development of plant-based topical formulations for managing microbial infections*

Nature has been a good source of medicinal agents for thousands of years and an Impressive Number of modern drugs have been isolated from natural sources, many Based on their use in Traditional medicine. Various medicinal plants have been used For years in daily life to treat diseases All over the world. The present study reveals the Medicinal values of Dalbergia sissoo DC. (Fabaceae). In this communication, we Reviewed the Phytochemistry and its applications in the Treatment of various ailments. The genus consists of 300 species among which 25 species occur in India. The generic Name Dalbergia honors the Swedish brothers Nils and Carl Dalberg, who lived in The 18th Century. The plant is used in treatment of leprosy, jaundice, gonorrhea and syphilis etc.

Keywords: Dalbergia sissoo DC. Fabaceae, Phytochemistry, Jaundice, Leprosy

