

PHOTOCHEMICAL ANALYSIS AND ANTI-DANDRUFF ACTIVITY OF VARIOUS MEDICINAL PLANT EXTRACTS AGAINST MALASSEZIA SPPS

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ABSTRACT

This experiment was subjected to find out anti dandruff properties of fifteen different medicinal plants that are locally available in Lakhani region of Maharashtra. Flaking of the scalp is the result of seborrhea dermatitis, also called dandruff. Dandruff is a condition of the scalp that causes flakes off the skin to appear. Oily scalp, hormones or a fungus Malassezia seems to be the cause of dandruff. So, There is need to assume resourceful research into this area. The research work was divided into two parts. Part1 which demonstrate the phytochemical analysis of all the selected medicinal plants. The aqueous plant extracts of samples were used for phytochemical analysis. The phytochemical analysis of the plants is important as they have great interest in

pharmaceutical companies for production of new drugs for curing of diseases and Part 2 which demonstrates the antidandruff activity of all the selected plants. Our aim was to check antidandruff activity of this fifteen medicinal plants, experiments was carried out on Malassezia spp., the causal organism for dandruff which was isolated using SDA by well diffusion method and comparison with chemical based shampoo. An attempt was made to analyze the presence or absence of different phytochemicals in all selected plants and to check out antidandruff activity. Thus, Medicinal plants have some natural antimicrobial property and therefore such combination could be a potential antidandruff activity.

KEYWORDS: Anti-dandruff activity, Medicinal plants, Malassezia spp., Photochemical analysis.