

Formulation and Evaluation of Antimicrobial Polyherbal Hand Wash

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Abstract: The aim of present work was to prepare formulations of polyherbal handwash from the metholonic extracts of leaves of *Mimosa pudica* (touch me not), *Azadirachta indica* (Neem) and lemon juice. Two formulations of hand wash were prepared and the formulations were evaluated for physical property like appearance pH and viscosity. The antimicrobial activity of prepared formulations of hand wash was checked against skin pathogens *Bacillus subtilus*, *Staphylococcus aureus*, *Psuedomonas aeruginosa* and *Escherichia coli* by agar diffusion method. The results revealed that prepared herbal hand wash formulations showed significant zone of inhibition compared with standard antibiotic drug (Amoxicillin). So these plant materials can be used in the preparation of herbal hand wash on commercially scale.

Keywords: Polyherbal hand wash ,antimicrobial activity, mimosa pudica and azadirachta indica

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