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A STUDY ON PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF *MORINGAOLEIFERA*

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ABSTRACT

Moringaoleifera is commonly known as "Drumstick". It is the most popular tropical crop. All its parts were used especially for their pharmacological, nutritional and water purification properties. The seeds of *Moringa* tree is used as a natural flocculant which is considered to be a natural alternative in purification of water. The pure cultures of bacterial strains were isolated from various sources. The isolated organisms were characterized by biochemical tests. The organisms were sub cultured in nutrient broth for further use. *Moringaoleifera* leaves were collected fresh and air dried. The leaves were grounded into fine powder. The leaves were soaked in three different solvents such as water, ethanol and chloroform, kept overnight and filtered out using whatmann filter paper no.2. The phytochemical analysis were carried out. Antimicrobial assay were done with aqueous, ethanol, chloroform extract at different concentrations. The zone of inhibition were observed and tabulated.

KEYWORDS: *Moringaoleifera*, Bioflocculation, Phytochemical Studies, Antimicrobial Studies