

ANTIMICROBIAL ACTIVITY OF METHANOLIC AND ACETONIC EXTRACTS OF *AZADIRACHTA INDICA*, *SARACA ASOCA* AND *CURCUMA LONGA*

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ABSTRACT

In the present work an attempt has been made to analyse the antibacterial and antifungal potential of methanolic and acetonic extracts of *Azadirachta indica*, *Saraca asoca* and *Curcuma longa* against *E.coli* and *B. subtilis* among bacterial strains and *A. niger* and *A. fumigatus* among fungal strains by disc diffusion method and the antibacterial and antifungal activities were determined by measuring the diameter of zone of inhibition. The methanolic extracts of *Curcuma longa* possessed the highest antibacterial with a zone of inhibition of 20 mm for *E.coli* and highest antifungal activity with a zone of inhibition of 22 mm for *A. fumigatus*. Acetonic extracts, exhibited lesser antibacterial activity with respect to *B. subtilis* 8 mm and antifungal activities with respect to *A. niger* being 8 mm when compared to the methanolic extracts.

KEYWORDS: Antibacterial, Antifungal, Methanolic Extracts, Acetonic Extracts