

SCREENING AND EVALUATION OF ANTI-MICROBIAL ACTIVITY IN *TYLOPHORA INDICA*

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Abstract: In present study, aqueous and alcoholic extract of both parental and *in vitro* medicinal plant *Tylophora indica* was selected for evaluate antimicrobial activity against *Staphylococcus aureus* ATCC 25923, *Streptococcus agalactiae*, *Enterococcus faecalis*, *Staphylococcus epidermidis*, *Streptococcus pyogenes*, *Bacillus species*. Agar well diffusion was used to evaluate antimicrobial activity. Results indicated antibacterial activity of the aqueous and alcoholic extracts of *in vitro* raised calli of *Tylophora indica* against the tested gram-positive bacteria are shown in the table 1. Significant activity (P<0.05) was observed against *Staphylococcus aureus* and *Staphylococcus epidermidis* in the alcoholic leaf callus extract. Against these gram positive bacteria no significant activity was exhibited by the aqueous leaf callus extract. No activity was observed against the tested gram-positive bacteria in alcoholic as well as aqueous extracts of root and nodal calli.

Keyword: Antimicrobial activity, *Tylophora indica*

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