

Study of Seeds and Stems of *Delonix regia* and their Biological Evaluation of Antibacterial, Antioxidant and Anti-Inflammatory Activity

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Abstract: Carbon tetrachloride, chloroform, ethanolic and hexane extracts of the root and leaves of *Delonix regia* were evaluated separately for antimicrobial and antipyretic activities. All the extracts were tested against certain Gram positive and Gram negative organisms by well diffusion method. In the methodology, antimicrobial activity was observed for extracts against all the tested organisms. Anti-inflammatory activity of ethanolic and chloroform extract are maximum as well as antioxidant activity is maximum for ethanolic extract studied by DPPH Method.

Keywords: *Delonix regia*, antimicrobial activity, antipyretic activity, methanolic extract.

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