

PHARMACOLOGICAL EVALUATION FROM LEAVES EXTRACTS OF *TRIGONELLA FOENUM-GRAECUM*

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ABSTRACT

Medicinal herbal extracts are in vogue for over a century to cure human complications. Crude methanolic leaves extracts of competent herb *Trigonella foenum-graecum* were assessed for antibacterial, antifungal, free radical scavenging, hemagglutination and phytotoxic bioassay. Antibacterial bioassay was conducted via well diffusion protocol. And from the resulted zone of inhibition it was evinced that crude leaves extract possessed good activity against *E.coli* (47%), *P. mirabilis* (52%), *B. cereus* (60%) and *P. aeruginosa* (78%). Less antifungal aptitude against *T. harizanum* (30%) was validated. Rest of bacterial and fungal species was resistant. Less to moderate free radical scavenging capacity was demonstrated. Phytotoxic potentials at highest concentration was estimated i.e. 1000µg/ml (38%), manifesting moderate activity. No hemagglutination capacity was evidenced.

KEYWORDS: *Trigonella foenum-graecum*, Antibacterial, Antifungal, Free Radical Scavenging, Phytotoxic, Hemagglutination