

IN-VITRO ANTIMICROBIAL AND ANTIOXIDANT POTENTIAL OF *CEROPEGIA ODORATA*-A CRITICALLY ENDANGERED SPECIES

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ABSTRACT

The purpose of this current study was to evaluate the antimicrobial and antioxidant potential of Ceropogia spp. The chloroform and methanol extract of root and leaf was taken to evaluate pharmacological importance of Ceropogia spp. It was found that the root and leaf extract of species have significant potential against bacterial strain Staphylococcus aureus, Pseudomonas aeruginosa, fungal strain Penicillium funiculosum, Trichoderma reesei and Bacillus subtilis, Pseudomonas aeruginosa, Staphylococcus aureus, Trichoderma reesei, Penicillium funiculosum and Aspergillus niger respectively through agar well diffusion method. Zone of inhibition (12mm) was measured maximum in chloroform root extract against Penicillium funiculosum. In methanolic leaf extract Maximum zone of inhibition was measured as 14mm diameter against Bacillus subtilis. While compiling the results of In-vitro antioxidant it was determined that root of plant possess more enzymatic and non-enzymatic activity as compare to leaf.

KEYWORDS: *Ceropogia Spp., Root, Leaf, Antimicrobial Activity, In-Vitro Antioxidant Activity.*

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