



## Antimicrobial & Phytochemical Analysis of Leaf Extracts of *Clerodendrum inerme*

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**ABSTRACT:** In the present study an attempt has been made to assess the *in vitro* antimicrobial activity of the leaves extracts of *Clerodendrum inerme*, a common garden hedge against *Staphylococcus aureus*, *Escherichia coli*, *Lactobacillus acidophilus*, *Lactobacillus plantarum*, *Rhizopus oryzae*, *Aspergillus niger* and *Mucor spp.* Leaves extracts were prepared in different solvents and four types of extracts were prepared: aqueous extract, methanolic extract, chloroform extract and ethyl acetate extract. The antimicrobial screening of these extracts was carried out by disc diffusion method. The selected microorganisms were also tested against commercially available antibiotics amoxicillin, chloramphenicol and levofloxacin. The MIC of the extracts was determined. The aqueous extract has not shown any significant zone of inhibition against any test micro-organism. Amongst all the extracts used, Methanolic extract has shown highest effectiveness against all the test micro-organisms. © 2014 iGlobal Research and Publishing Foundation. All rights reserved.

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