Title of Article: Evaluation of the Antimicrobial Activity of Root and Leaf Extracts of *Terminalia glaucescens.*

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Abstract:

An assessment of the antimicrobial activity of the leaf and root extracts of *Terminalia glaucescens* against certain bacterial isolates were carried out. The organisms tested included *Pseudomonas aeruginosa, Bacillus anthracis, Klebsiella pneumoniae, Escherichia coli, Salmonella typhi, Staphylococcus aureus, Candida albicans* and *Proteus spp,* using the agar dilution method. The root and leaf extracts showed appreciable activity against all the tested organisms. However the root extract was found to have a higher activity at 100mg mL-1 than the leaf extract at the same concentration especially on the two Gram positive bacteria tested. The mean diameter of the zones of inhibition exhibited by the extracts was between 15mm and 33mm. Minimum inhibitory concentrations (MIC) of the extracts against the bacterial isolates were also determined. The lowest MIC observed for both the root and leaf extracts was 6.25 on *Pseudomonas aeruginosa.* The antimicrobial activity of the extracts was compared with ampicillin used as a positive control.