Antibacterial Activity of Fruit Extract of *Anacardium occidentale* and Seed Extract of *Mangifera indica L.*

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Abstract: *Mangifera indica L.* and *Anacardium occidentale* members of the Anacardiaceae family have gained the attention due to their therapeutic property. The present study evaluated the presence of phytochemicals and antibacterial activity of ethanolic and methanolic extraction of both plants. Phytochemical screening showed the presence of glycosides, saponin, flavonoid, tannin, alkaloid, steroid, phenolic compound, and triterpenoid in both solvent extracts. Gram-positive and Gram-negative organisms were found to be sensitive to the ethanolic and methanolic extraction of both plants. The MIC of mango seed extract was found to be 50 μg/ml and cashew fruit extract was 8 μg/ml. The study indicates the potential future application of mango seed & Cashew fruit extract as an antibacterial agent which would be an alternative to the current chemical antibacterial agent.

Keywords: Mango Seed Extract, Cashew Fruit Extract, Antibacterial Activity, MIC

REFERENCES


