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*RESEARCH PAPER*

# Exploring antimicrobial efficacy of karonda and karipatta

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**Abstract :** In the present research work, *in vitro* antibacterial and antifungal potential of methanolic extracts of *Carissa carandas* (karonda) and *Murraya koenigii* (kari patta) was evaluated. The antibacterial efficiency against two gram positive and three gram negative bacterial strains was determined *via* agar well diffusion method and susceptibility of plant extract was tested by serial micro dilution method (MIC). The antifungal potential against three phytopathogens was also investigated and inhibitory potential of methanolic extracts of the plants was analyzed by poisoned food technique in which different concentrations of test material were prepared in sterilized potato dextrose agar. The methanolic extract from the seed part of karonda showed antibacterial activity against *Bacillus subtilis* and *Staphylococcus aureus* and antifungal activity against *Bipolaris specifera* whereas the methanolic extract from curry leaves also showed antibacterial activity against *Staphylococcus aureus* and antifungal activity against *Bipolaris specifera.*

**Key Words :** *Carissa carandas, Murraya koenigii,* Antibacterial, Antifungal, Methanolic

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