

**P-312: ANTIMICROBIAL AND GASTROPROTECTIVE ACTIVITIES OF  
EUCALYPTUS CAMALDULENSIS (MYRTACEAE) CRUDE EXTRACTS**

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The antimicrobial and gastroprotective activities of crude extracts of *Eucalyptus camaldulensis* were investigated. The antimicrobial activity was investigated by screening the crude plant extract for activity against clinically isolated gentamycin resistant wound bacteria viz: *Staphylococcus aureus* UCH 2600, *Escherichia coli* UCH 2554, *Pseudomonas aeruginosa* UCH 2780 and *Proteus mirabilis* UCH 2773. These microorganisms were susceptible to the crude extract at a 10 mg/ml concentration. The gastroprotective activity of the methanol extract of *Eucalyptus camaldulensis* (MEEC) was investigated in rats. Gastroprotection was evaluated against gastric mucosal damage induced by ethanol/HCl mixture. The HCl/Ethanol mixture (1.5 ml of 0.15N HCl in 70% ethanol) caused severe gastric damage with ulcer index 2.7 0.33. Pre-treatment of animals with crude extract of *Eucalyptus camaldulensis* leaf 200 mg/kg and 1000 mg/kg orally for 1 hour significantly reduced the formation of ulcer by the HCl/ethanol mixture with preventive ratios of 56% and 89% respectively. Ranitidine afforded 92.5% protection. The results suggest that crude extracts of *Eucalyptus camaldulensis* has strong antimicrobial and anti-ulcer effects.