

A comparative study on antibacterial activity of common weeds.

Latha S, Gunasundari S.

Biochemistry, JBAS College for Women, Chennai, India.

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Post Graduate Department of Biochemistry, Dwaraka Doss Goverdhan Doss Vaishnav College,
Arumbakkam, Chennai 600 106, India. 7-8 February 2012.

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ABSTRACT

In this study a comparison on antibacterial potency of common weeds i.e. Antigonon leptus, Croton sparsiflorus and Lantana camara were conducted. Antibacterial efficacy on the microorganisms, bacillus subtilis, Escherichia coli, Klebsiella pneumonia, and pseudomonas aeruginosa and Staphylococcus aureus were investigated. For this purpose, the leaf extracts of the plants were prepared using acetone, chloroform, hexane and methanol. The prepared extracts were analysed for its bioefficacy through disc diffusion method. Among the solvent studied, methanolic extract alone given positive results. The hexane and chloroform extract of all the three plants showed poor response in resisting bacterial growth. Among the plants studied, methanolic extract of Lanthanacamara possess greater activity than Croton sparsiflorus and antigonon leptopus.