

**Antimicrobial activity of the leaf extract of *Senna occidentalis*.**

Janaky S, Sivasankari K, Sekar T.

PG Research Department of botany, Pachaiyappa's College, Chennai, India

Corresponding author email: [janukris@gmail.com](mailto:janukris@gmail.com)

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**ABSTRACT**

The increase in resistance to existing antimicrobial agents, herbal drugs are being looked as an imperative source for discovery of new agents for treating various diseases related to bacterial infections. *S.occidentalis* has been used as traditional medicine in Asia and found to possess wide range of pharmacological behaviors. The aim of the study is to evaluate the effects of *S.occidentalis* leaf extracts on the growth of various pathogenic microorganisms based on the inhibition zone using disc diffusion assay, minimal inhibitory concentration (MIC) and minimal bactericidal concentration (MBC) values. In this, the aqueous leaf extract of *S.occidentalis* had antimicrobial effect against the test microorganisms when compared with other solvents like petroleum ether, methanol and ethanol.