

# ***In vitro* antibacterial activity and phytochemical analysis of bark of *Prosopis spicigera***

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## ***In vitro* antibacterial activity and phytochemical analysis of bark of *prosopis spicigera***

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## **Abstract**

Medicinal plants are value added for the content and chemical composition of their active components. Infectious diseases caused by bacteria, fungi, viruses and parasites are still a major threat to public health, despite the tremendous progress in human medicine. In this paper, Hot and cold methanolic extracts from the stem bark of *Prosopis spicigera*, was tested for its possible presence of significant Antibacterial activity in an attempt to validate some of its folkloric uses. The antibacterial activity was evaluated by employing 24hr culture of 4 different test organisms, viz., *Staphylococcus aureus*, *Bacillus subtilis*, *Escherichia coli*, and *Proteus vulgaris*. The hot and cold methanol extracts are screened for antibacterial activity by cup plate method using ciprofloxacin. The observations in the present study of in vitro antibacterial evaluation of *P. spicigera* forms a primary platform for further phytochemical and antibacterial studies.

**Keywords:** *Prosopis spicigera*, Antibacterial activity, Cup plate method

## **Reference**

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