

## **Antimicrobial activity of *Prosopis cineraria* (Leaf) methanol & chloroform extract against selected bacterial species.**

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### **Antimicrobial activity of *Prosopis cineraria* (Leaf) methanol & chloroform extract against selected bacterial species.**

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### **Abstract**

Western Thar Desert is rich in varieties of plants. *Prosopis cineraria*, one of boon plants of Western Rajasthan give valuable natural possessions to the people. It belongs to member of a family Leguminosae, is a tree that is mostly found in the Thar Desert of Western Rajasthan. It is native to arid portions of Western and South Asia. *Prosopis cineraria* is one of the exemplary attempts were made to isolate successive extracts with methanol & chloroform of selected valued plant in the native System of Medicine. Therefore, in the present investigation is *P. cineraria*(Leaf ) and Antimicrobial activity were performed against selected bacterial species. Methanolic extract of *P. cineraria* leaf extract shows maximum inhibition zone against *Proteus vulgaris*(AI = 2.5 for 10mg/disc) and *Staphylococcus aureus* (AI = 2.09 for 5mg/disc). Therefore *Prosopis cineraria* can be used for bioactivity guided fractionation to work as potential source of therapeutics and /or antibiotics in future for curing of various ailments against multi drug resistant bacteria. Further, this weed will work as novel targets for antibiotics in future.

**Keywords:** *Prosopis cineraria* (L.) Druce, Antimicrobial activity

### **Reference**

Gupta, MC, BM Gandhi and BN Tandon, An unconventional legume *Prosopis cineraria*. The American Journal of Clinical Nutrition, 27: 1035-1036,(1974).