

# **Endophytic Mycoflora of Inner Bark of *Prosopis cineraria* - a Key Stone Tree Species of Indian Desert**

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## **Endophytic Mycoflora of Inner Bark of *Prosopis cineraria* - a Key Stone Tree Species of Indian Desert**

Praveen Gehlot, N.K. Bohra and D.K. Purohit 1

Mycology and Microbiology Laboratory, Department of Botany, 1 J.N.V. University,  
Jodhpur, India - 342 001 Arid Forest Research Institute, Jodhpur, India

## **Abstract:**

Endophytic fungi of inner bark of *Prosopis cineraria* have been investigated. 32 species belonging to 21 genera were isolated. The colonization frequency of the endophytic fungi was reported as 62.55%. Fungus composition included 13.6% zygomycetes 5.6% ascomycetes, 72.8% hyphomycetes, 4% coelomycetes and 4% sterile fungi have been found. Colored colonies of endophytic fungi with pigmented single cell conidia were found in abundance. The sterile endophytic fungi presently reported are expected to add to the list of new fungal species. It is concluded that some pathogenic fungi might act as latent pathogen in cortical region of the bark which become active and cause disease leading to sudden death of host tree.

## **Reference**

Gupta, M.L., B.M. Gandhi and B.N. Tandon, 1974. An unconventional legume *Prosopis cineraria*. The American Journal of Clinical Nutrition, 27: 1035-1036.