

# SCREENING OF IN VITRO ANTIFUNGAL ACTIVITY OF PLANT EXTRACT OF *DATURA STRAMONIUM*, *SOLANUM NIGRUM* AND *WITHANIA SOMNIFERA*

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**Abstract:** Number of plants has been found to possess antifungal properties, which are able to control certain fungal diseases of crops. Present paper deals with the effect of *Datura stramonium* Linn. *Solanum nigrum* Linn. and *Withania somnifera* (L.) Dunal. Extract in *in-vitro* by poisoned food technique to know their inhibitory effect on the growth of *Alternaria alternata* (Fr.) Keissler. Extracts of *Withania somnifera* leaves were found significantly superior in inhibiting the mycelial growth 33.98%, 52.82% and 74.28% of *A. alternata* at 5 percent, 10 percent and 15 percent respectively, followed by *D. stramonium*. The extracts of *S. nigrum* were least effective in growth inhibition as compared to other plant extracts at all the three concentrations tried.

**Keywords:** Antifungal activity, *Alternaria alternata*, plant extract and *in-vitro* inhibition

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