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

REFERENCES
