RESEARCH ARTICLE

ANTIFUNGAL ACTIVITY OF SOME MEDICINAL PLANT EXTRACTS AGAINST HUMAN PATHOGENIC FUNGUS *ASPERGILLUS NIGER*

Arun Kumar*, Vijai Malik and Shruti Saini

Department of Botany M.S. College Saharanpur (U.P.) India
Email: arunbiotech@rediffmail.com

Received-04.08.2016, Revised-22.08.2016

Abstract: The present investigation was carried out to observe the antifungal activity of *Alstonia scholaris Argemone maxicana, Datura alba, Solanum nigrum and Solanum xanthocarpum*. For this purpose effect of different alcoholic extract concentration was observed on growth performances of *Aspergillus niger* on 5th and 7th day. Our result shows that alcoholic extract concentrations inhibit radial growth of this fungus. Results also indicate that inhibition of fungal growth increase with the increase in the concentration of alcoholic extracts.

Keywords: Antifungal activity, Alcoholic extract, *Aspergillus niger*, Medicinal plants

REFERENCES

Akerele, O. Summary of WHO (1993). Guidelines for the assessment of herbal medicines *HerbalGram*, **28**: 13-19.

Antony, M., James, J., Chandra Shekhar Misra, C.S., Mundur Sagadevan, L.D., (2012). Thaliyil Veettil, A.K. and Thankamani, V. Anti mycobacterial activity of the plant extracts of *Alstonia scholaris. International Journal of Current Pharmaceutical Research*, **4**(1): 40-42

Cowan, M.M. (1999). Plant products as antimicrobial agents. *Clinical Microbiology Reviews*, **12**: 564-582

Cragg, G.M., Newman, D.J. and Snader, K.M. (1997). Natural products in drug discovery and development. *Journal of Natural Products*, **60**: 52-60

George N. (1997). *Agrios plant pathology*, fifth edition

Keeler, R.F. and T.U., A.T. (1991). Toxicology of plant and fungal compounds in: Handbook of Naturals Toxins, Vol.6; N Y: Marcel Dekker, Inc, 665

Prince, L. and Prabakaran, P. (2011). Antifungal activity of medicinal plants against plant pathogenic fungus *Colletotrichum falcatum. Asian Journal of Plant Science and Research*, **1** (1): 84-87

Shu, Y.Z. (1998). Recent natural products based drug development: A pharmaceutical industry perspective. *Journal of Natural Products*, **61**: 1053-1071

Thara, K.M. and Zuhra, F. (2013). Biochemical, HPLC, LC-MS Analysis and Biological activities of methanol extract of *Alstonia scholaris. International Journal of Phytotherapy*, **3** (2): 61-74

Udgirkar, R. F., Kadam, P. and Kale, N. (2012). Antibacterial activity of some Indian medicinal plant: a review. *International journal of universal pharmacy and biosciences*, **1** (1): 1-8.

*Corresponding Author