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## RESEARCH ARTICLE

# Preliminary screening of fungal pathogens of water hyacinth (*Eichhornia crassipes*) for biological management in Jabalpur

■ JAYA SINGH, SAURABH GUPTA, ISHWARI PRASAD KORI AND VIVEK AGNIHOTRI

### SUMMARY

During the survey of various water bodies in Jabalpur. it was observed that water hyacinth (*Eichhornia crassipes*) is associated with a variety of fungal diseases such as petiole rot, root rot, die back, leaf blight, leaf spot. 10 fungal isolates belonging to different genera were isolated. Maximum infection was observed in the Lamina of the leaves along with the expression minimum symptoms. *Alternaria alternata*, (FCWH#15) was found in maximum frequency and hence, it would be the best fungal candidate for biological management of water hyacinth.

**Key Words :** Lamina, Water hyacinth, Fungal pathogens, Petiole rot, Root rot, Die back, Leaf blight, Leaf spot

**How to cite this article :** Singh Jaya, Gupta, Saurabh, Kori, Ishwari Prasad and Agnihotri, Vivek (2016). Preliminary screening of fungal pathogens of water hyacinth (*Eichhornia crassipes*) for biological management in Jabalpur. *Internat. J. Plant Sci.*, **11** (1): 55-59.

**Article chronicle :** Received : 11.11.2015; Revised : 15.11.2015; Accepted : 28.11.2015

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