

# DISTRIBUTION, ISOLATION, PURIFICATION, PATHOGENCITY AND IDENTIFICATION OF *ALTERNARIA ALTERNATA* (KESSLER) CAUSING LEAF BLIGHT OF ISABGOL (*PLANTAGO OVATA*)

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**Abstract:** In the year 2008, the maximum per cent mortality 34.78% was recorded at Sayala of district Jalore followed by Keshwana and Bhundwa at 60 days after sowing. Whereas, during the year 2009, the maximum per cent plant mortality 37.85% was observed at Sayala of district Jalore followed by Keshwana and Bhundwa at 60 DAS. The overall disease incidence as per cent plant mortality was more in 2009 as compared to 2008. The fungal isolates were collected from five different Agro climate zone of Rajasthan i.e. R.C.A. farm (Udaipur), Kapasan (Chittorgarh), Mandore (Jodhpur), Sumerpur (Pali) and Keshwana (Jalore). On the basis of morphological, cultural and pathogenic characteristics, the isolates were identified as *Alternaria alternata* (Fr.) Keissler. Pathogenicity test was done according to Koch's postulates for all the five isolates. The identity of R.C.A. farm (Udaipur) isolate was confirmed by Indian Type Culture Collection (ITCC), Division of Plant Pathology, IARI, New Delhi-110012 (The ITCC Code no.6317, 2008).

**Keywords:** *Alternaria alternata*, Distribution, Isolation, Purification and *Plantago ovata*

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