

Isolation and identification of Phylloplane Bacteria from rice ecosystem of Andhra Pradesh against *Magnaporthe oryzae*

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ABSTRACT

A foliar pathogen causing blast symptoms on rice was collected from Bapatla district. The disease is caused by pathogen *Manaporthe oryzae* was identified based on the morphological characters. Healthy leaf samples were collected from four districts of Andhra Pradesh. Phylloplane bacteria was isolated from the leaf samples by leaf imprinting method. Based on Gram's staining method and cultural characters of the bacterial isolates, *Bacillus sps* were identified and maintained the cultures for further experiments.

Key words: *Identification, Isolation, Magnoparphac oryzac, Phylloplane loacteria and Rice ecosystem*