

Isolation and cultural characterization phylloplane bacteria from rice ecosystem of Andhra Pradesh

K Mounika, P Madhusudhan, M Ramabhadra Raju, I Paramasiva and N Kiran Kumar

Department of Plant Pathology, Acharya N G Ranga Agricultural University,
Agricultural College, Bapatla-522101, Andhra Pradesh, India

ABSTRACT

A total of 34 phylloplane bacterial isolates were isolated from the rice phylloplane on Hicrome Bacillus specific media by leaf imprinting method. Among these 14 gram positive rod shaped bacteria were selected and cultural characters like colony colour, shape, elevation and margins were characterized. All the 14 isolates are creamy white to white in colour, colony shape was irregular to round, flat or with raised elevation. Based on these cultural characters they were identified as *Bacillus* spp.

Keywords: *Bacillus, Bacteria, Phylloplane and Rice,*