

Morphological variability and protein profiling of mycoparasitic *Trichoderma* spp.

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In attempts to know the better understanding of biochemical variability of *Trichoderma* spp. along with morphological characters for taxonomical significance protein profiling of mycelial protein of different isolates was studied. Morphological parameters i.e. shape, size of phialide, phialospore, chlamyospore and colony morphology were observed and identification was done based on the morphometry. All the isolates showed polymorphic bands through electrophoresis of mycelia proteins. Most of the protein bands are concentrated with their mobility value of 0.200 to 0.575. T9 and T10 isolates which were identified as *T. roseum* showed almost equal banding pattern with genetic similarity coefficient of 0.888. T6 and T8 isolates of *T. virens* have highest similarity of 0.833. Intra specific similarity was distinct in *T. virens* and *T. roseum* species as per electrophoresis analysis in this experiment.

Key words: Morphometry, protein polymorphism, *Trichoderma*, variability
