

In vitro evaluation of mutant and wild strain of *Trichoderma harzianum* against soil borne plant pathogen

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ABSTRACT

Aqueous suspension of conidia of *Trichoderma harzianum* wild strain Th-W were placed on potato dextrose agar and expose to UV irradiation for 10, 20, 30, and 40 min at 20 cm distance from which four stable mutants of *T. harzianum* i.e., Th-M-1, Th-M-2, Th-M-3 and Th-M-4 were obtained as it differed considerably from wild strain (Th-W) for their morphological characteristics. *In vitro* evaluation of mutant and wild strain of *T. harzianum* against three soil borne plant pathogens, *Fusarium oxysporum* f.sp. *lycopersici*, *Sclerotium rolfsii* and *Macrophomina phaseolina* by dual culture method, revealed that mutant strains overgrew all the pathogenic fungi more rapidly than the wild strain.

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