

**EVALUATION OF SOME FUNGI AND WATER EXTRACT OF SOME ORGANIC MANURE EFFICACY IN CONTROLLING OF *RHIZOCTONIA SOLANI* ON TOMATO .**

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**ABSTRACT**

The study was conducted at College of Agric./Univ. of Baghdad to evaluate the efficiency of some isolated fungi and water extract of some organic manure in controlling *Rhizoctonia solani* on Tomato , showed that water extract of sewage wastes reduced significantly of *R. solai* growth. Results of tablature isolation showed presence of eight genus of fungi , *Monilai* sp., *Alternaria* sp. , *Penicillium* sp. , *Macrophomina* sp. , *Trichoderma* sp., *Cylindrocarpon* sp., *Geotrichum* sp. and *Aspergillus* sp. *Trichoderma* sp. showed high antagonistic degree against *R. solai*. Combination of isolated fungi from sewage waste, cows , sheep, horses and poultry achieved reduction in percentage of pre murgence damping off at rate of 30.13%,25.13%,26.35%, 23.43%,24.30% respectively and post murgence damping off at rate of 32.00%, 25.58%, 27.45%,25.83% and 26.13% respectively, roots disease index were reduced to 43.16%,33.52%, 81.20%, 32.40% and 32.50% respectively in contrast with control treatment which revealed 54.83% pre emergence, 56.95% post emergence and 85.17% disease index.