Abstract

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Journal of Clinical Developmental Biology

2022
Vol 7. No. 2

The new antagonistic fungus: Aspergillus piperis

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Abstract

This lecture will introduce a report about my study entitled "Antagonistic studies and hyphal interactions of the new antagonist Aspergillus piperis against some phytopathogenic fungi in vitro in comparison with Trichoderma harzianum". This study represents, for the first time, the new antagonistic fungus; Aspergillus piperis. The in vitro studies on the activity and antagonistic mechanisms used by A. piperis in attacking some isolated phytopathogenic fungi (Alternaria alternata, Alternaria solani, Botrytis cinerea, Sclerotium cepivorum and Sclerotinia sclerotiorum) was examined and the results were highly promising. Also, the antagonistic activities of A. piperis was compared with the common antagonist; Trichoderma harzianum against the same phytopathogens. The obtained results revealed that, A. piperis was more effective than T. harzianum against all the tested phytopathogens. Finally, this study was considered a base point for futured studies on this new antagonistic fungus, A. piperis, in the field of biological control.

Received: April 16, 2022; **Accepted:** April 21, 2022; **Published:** April 30, 2022

Biograph

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