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**Bioactive secondary metabolites from *Trichoderma viride* MM21**Mohamad M El-Metwally<sup>1</sup>, Hamdi D Nasr<sup>2</sup>, Tahia K Mohamed<sup>3</sup> and Mohamed Shaaban<sup>2,3</sup><sup>1</sup>Damanhour University, Egypt<sup>2</sup>University of Gottingen, Germany<sup>3</sup>National Research Centre, Egypt

Fungi are a big world with numerous numbers of species. These species produce a huge number of bioactive secondary metabolites which can be used in very useful industrial, medical and agricultural application. In this study, four bioactive metabolites namely ergosterol, peroxy ergosterol,  $\alpha$ -cyclopiazonic acid and kojic acid were isolated from the *Trichoderma viride* MM21. Structures of the isolated compounds were assigned by intensive studies of NMR (1 and 2D) mass spectroscopy.

**Biography**

Mohammad M El-Metwally has completed his Graduation from Botany department, Benha University. He has worked in Molecular Microbiology Lab at Mansoura University Hospital. He has received scholarships for his MSc and PhD programs. He has worked as Researcher in Microbial Activity Unit, Soil, Water and Environment Research Institute, Giza, Egypt. He has published more than 25 papers in reputed journals in fungal enzymes and secondary metabolites. He is currently working as an Associate Professor of Mycology and the Director of Mycology Lab, Damanhour University, Egypt.

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