

PERSONAL INFORMATION



Eslam Tarek Mohammed

📍 23, Rashad Koshk st., El-Marg, cairo, Egypt.

☎ +2026607935 📠 +201118434582

✉ Eslamelsaaid@science.helwan.edu.eg

Sex Male | Date of birth 20/4/1993 | Nationality Egyptian

Academic Qualifications

- Bachelor of Science in Microbiology, Helwan University, 2016.
 - Grade: Excellent with honors (Top of class).
- Master of Science in Microbiology, Microbiology, Helwan University, 2020.
 - Thesis: "Biological Control of Plant Diseases using Actinobacteria Isolates"

Work Experience

- Demonstrator, Microbiology, Helwan University, 2017- 2020.
- Teaching Assistant, Microbiology, Helwan University, 2020 - till now.

Practical Experiences

- Microbiology techniques: isolation, cultivation, and characterization of microorganisms
- Plant pathology: knowledge of plant diseases and their causes
- Bioactive compound extraction and characterization: experience with extracting and characterization of bioactive compounds from microorganisms.
- Fungal transcriptome and genome data analysis
- Fungal mutant strain generation and characterization
- Infection assays and disease scoring
- Genetics, proteomics, and protein-protein interaction assays
- Proficient in R programming, molecular docking, and SPSS

Publications

- Osman, M. E., Abo-Elnasr, A. A., & Mohamed, E. T. (2024). Exploring Bioactive Potential of *Streptomyces thinghirensis* WAE1 from Wadi El-Natron, Egypt. *Indian Journal of Microbiology*, 1-12.
- Osman, M. E., Elnasr, A. A. A., Mohamed, E. T., & Faraag, A. H. (2024). Enhancement of *Streptomyces thinghirensis* WAE1 for production of bioactive metabolites under different optimization strategies. *Microbial Pathogenesis*, 106603.
- Osman, M. E., Elnasr, A. A. A., Mohamed, E. T. (2020). In-vitro studies on biocontrol of *Alternaria solani* and *Botrytis fabae*. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 12.

Conference

- Biodiversity and sustainable development, Helwan university convention center, Cairo, (15-16/10/2017).
- Present and Future of Local and Global Climate Changes, Helwan university convention center, Cairo, (3-5/10/2022).