

Curriculum Vitae

Amany Gomaa

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Job Status

Assistant lecturer at Botany Department - Faculty of Science -Mansoura University-Mansoura-Egypt **2018- 2022**

EDUCATION

Ph.D. student in Plant Pathology department **Spring 2022- Present**

University of Nebraska- Lincoln

Dissertation Project: "Identifying the host-virus interactions using cell fractionation-based techniques and mass spectrometry"

MS in Microbiology **October 2018**

Minor: Virology

Botany department, Faculty of Science, Mansoura University, Mansoura, Egypt

Thesis Project: "Role of restriction endonucleases in resistance to bacteriophage infection"
(Grade: Excellent, Ranked First)

BS in Microbiology **July 2013**

Botany Department, Faculty of Science, Mansoura University, Mansoura, Egypt

PUBLICATIONS

Shaban, M. M., Negm, N. A., Farag, R. K., Fadda, A. A., Gomaa, A. E., Farag, A. A., & Migahed, M. A. (2022). Anti-corrosion, antiscalant and anti-microbial performance of some synthesized trimeric cationic imidazolium salts in oilfield applications. *Journal of Molecular Liquids*, 351, 118610.

TEACHING EXPERIENCE

Assistant Lecturer of Microbiology at Botany department,
Faculty of Science, Mansoura University

2018- 2022

Demonstrator at Botany department

Teaching courses

Teaching practical Bacteriology and Molecular Biology, Applied Microbiology, virology, and Immunology, Phycology, Mycology to undergraduate students **2013-2022**

RESEARCH / FIELD WORK EXPERIENCE

General Fields

Biology

Biotechnology

Microbiology

Botany

Plant biology

Area of interest

Virology

Electron microscopy examination

Bioinformatics

Metagenomics

Molecular biology

TRAINING WORKSHOPS

April 2022 Holland computing center carpentry workshop, The Unix Shell and R for Reproducible Scientific Analysis

June 2019 Proposal Writing for Master and PhD Candidates - DAAD Kairo Akademie

June 2019 Scientific Thinking and Argumentation Skills for Problem Solving - DAAD Kairo Akademie

July 2019 Self-Management –DAAD Kairo Akademie

January 2018 References management and indexed electronically (21-22 January).

February 2017 Attendance of “how to use EKB” workshop.

September 2017 Use of technology in teaching (10-11 September).

January 2015 Quality standards in the teaching process (18-19 January).

May 2015 Communication Skills in the patterns of education (24-25 May).

September 2015 Competing of research funds (8-9 September).

September 2014 Ethics of scientific research (1-2 September).

ACHIEVEMENTS AND AWARDS

July 2019 Egyptian governmental Ph.D. scholarship at the University of Nebraska Lincoln.

20 Jun. 2013 the 1st place in class 2013 at the Microbiology program, Faculty of Science Mansoura University.

CONFERENCES AND RETREATS

April 2023 Poster presentation at Nebraska Plant science symposium.

March 2023 Giving a talk at 31st Annual Nebraska center for virology annual retreat- "Flyswat"

March 2019 Participation in the 14th International Conference on chemistry and its role in development (ICCRD), Mansoura- Hurgada, (25-28 March).

March 2016, 2017, and 2018 A member and organizer of the 6th , the 7th and 8th Scientific Symposium for Young Researchers, Faculty of Science, Mansoura University.

March 2016 Attendance and participation in the 6th International Conference of Biological & Environmental Sciences (ICBES), Mansoura- Sharm El-Shaikh, (21-25 March).

June 2014 Attendance of the 1st Annual National Conference for Experimental Research, children hospital, Mansoura university.