

Curriculum Vitae

Amany Gomaa

Email: agomaa2@unl.edu | Phone: (402) 617-3792 | Address: 4240 Fair St, Lincoln, NE 68583
Office: 210 Morrison Center

JOB STATUS

Ph.D. Candidate at Plant Pathology Department, University of Nebraska Lincoln, US. **2022-present**

Teaching assistant at Botany Department, Mansoura University, Mansoura- Egypt **2018- Present**

EDUCATION

MS in Microbiology **October 2018**

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

Gomaa, A. E. & Garcia-Ruiz, H. (2025). Genome-wide variation profile of the genus *Tobamovirus*. *Viruses* (In progress).

Gomaa, A. E., El Mounadi, K., Parperides, E., & Garcia-Ruiz, H. (2024). Cell Fractionation and the Identification of Host Proteins Involved in Plant–Virus Interactions. *Pathogens*, 13(1), 53.

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

Teaching courses: Practical Bacteriology and Molecular Biology, Applied Microbiology, virology, and Immunology, Phycology, Mycology as Teaching assistant at Botany department, Faculty of Science, Mansoura University **2013 – 2022**

RESEARCH / FIELD WORK EXPERIENCE

Biology, Biotechnology, Microbiology, Botany, Plant pathology

Area of interest

Virology, Electron microscopy, Bioinformatics, Metagenomics, Molecular biology

ACHIEVEMENTS AND AWARDS

Best poster presentation in Plant Science Retreat

Fall 2024

Department of Plant Pathology Professional Development Award

Summer 2024

American Phytopathological Society Named Student Travel Award	Summer 2023
Egyptian governmental Ph.D. scholarship at the University of Nebraska Lincoln	Summer 2019
1st place in BA Microbiology program, Faculty of Science Mansoura University, Egypt	Spring 2013

CONFERENCES AND SEMINARS

April 2025 Poster Presentation at graduate students Research Days at UNL.

March 2025 Seminar at Plant Pathology Department at UNL.

October 2024 Poster presentation at Nebraska Plant Science Retreat.

September 2024 Poster presentation at 24th Annual Prem S. Paul Symposium in Virology.

April 2024 Oral presentation at Nebraska Plant science symposium.

April 2024 Seminar at Plant Pathology Department at UNL.

November 2023 Agricultural Research Elevator Speech Contest.

November 2023 Poster presentation at Nebraska Plant science symposium.

October 2023 Poster presentation at 23rd Annual Prem S. Paul Symposium in Virology.

June 2023 Oral presentation at North Central American Phytopathological Society meeting.

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.

TRAINING WORKSHOPS

August 2024 Bioinformatics Symposium and workshop on integrative omics and ML

March 2024 Donald Danforth Plant Science Center and Bayer Crop Science Tour

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

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).