

Zeinab A. Mohamed

Email: zeinababdelmonem8@gmail.com

LinkedIn: Zeinab Abdelmonem

Education:

- Ain Shams University, Faculty of science 2021-2026
Major: Material and Nanoscience. (**Cumulative GPA:3.955**)
- Temple University, College of Science and Technology, Aug 2024- Dec 2024
Exchange program student
- School of Continuing Education, AUC 2021-2026
 - Supplemental English Language Program (340 Hours).
 - Pre-Academic Course (100 Hours).

Research Experience:

- **Undergraduate Research Assistant, Undergraduate Research Program, Temple University,**
Principal investigator: Dr. Eric Borguet Sep2024- Current
 - WTe2 Raman Spectrum.
 - Instruments Training (FT-IR Spectrometer, UV-Vis Spectrometer, UV-Vis-NIR Spectrometer, laser).
 - Scientific writing, data analysis and research presentation.
- **Research Assistant, National Team of Science and Technology (NTST).** 2022-2023
 - Wind Turbine.

Training:

- **Winter Development Camp 2024 (WDC 2024), USAID Scholars Activity in cooperation with ZC.**
 - Leadership Program – Year 3 by Aspire Training Solutions.
 - CEI Social and Green Entrepreneurship.
 - Managing Professional Expectations.
- **Trainee, Nano Gate,** The Program included information about Metal based Nano Materials, Green Nanotechnology, Quantum Dot, Semi-Conductor, and Photocatalysis.
- **Trainee, Nano Fab,** The Program included information about Nano Technology in Agriculture, Extraction of Nano Cellulose and Nano Silica from Agricultural wastes, and Nano Emulsion.

- **Trainee, Globe International Pharmaceuticals**, The Program aimed to skill up and develop our knowledge in various areas (Soft skills, Medical Knowledge, Hard skills).
- **Summer Development Camp 2023 (SDC 2023), USAID Scholars Activity in cooperation with Mansoura University.**
 - Job Placement and Networking Program by Aspire Training Solutions.
 - Leadership Program – Year 2 by Aspire Training Solutions.
 - English Hub by AUC.
- **Winter Development Camp 2023 (WDC 2023), USAID Scholars Activity in cooperation with AUC and ZC.**
 - Leadership Program by Aspire Training Solutions.
 - Social and Green Entrepreneurship Program by Nahdet Elmahrousa.
- **Trainee, Reaxys Advisor Doaa Zamel**, The Program included information about Elsevier and its services for us as students and researchers.
- **Trainee, N.T.R.C, British University**, The Program included information about Nano Materials, Characterization Methods, and Modern Trends in Nanotechnology.
- **Trainee, IEEECUSB**, The Program was based on Technical Writing.

Courses:

- Nano Materials for Waste-Water Treatment: Challenges and Technical Mistakes, Prof: Ayman Zak.
- Mastering Python Programming Fundamentals, Yat learning Solutions.
- Entrepreneurship from A to Z, Almentor.

Projects:

- **Competitor, Annual Entrepreneurship of AUC center for entrepreneurship & innovation.**
 - Took part in a project aimed at devising innovative solutions to address the substantial issue of plastic waste in Egypt.
- **Competitor, CEI Social and Green Entrepreneurship**
 - Participated in a project using 3D Bioprinter.
- **Member**, Engaged in a project focused on enhancing the quality of education in My Village, Aswan, with the objective of identifying and implementing solutions independently of governmental intervention.

Extracurricular Activates:

- Mentor for children, Haddouta Mesreya.
- Member of the Scientific Research committee, Nano zone.
- Sales Employee, Educational Platform Abwaab.
- Member of the Scientific Committee, Science Land.
- Volunteer in the Initiative (Spreading Health Awareness) to reduce the Spread of Corona in My Village, Sayed Said primary school.

Laboratory Techniques:

- Fourier-Transform Infrared Spectroscopy (FT-IR).
- Ultraviolet Visible Spectroscopy (UV-Vis).
- UV-Vis-NIR Spectrometer.
- Raman Microscope.
- X-Ray Diffractometer (XRD).
- Wet Chemical Synthesis of Nanomaterials.
- Titration.

Language:

- Arabic: Native speaker
- English: Upper intermediate

Computer Skills:

- Igor pro.
- Python.
- Microsoft Programs (Excel, Word, PowerPoint).