

# Mohamed Mohamed Shaker

[Mohamed\\_Shaker@aun.edu.eg](mailto:Mohamed_Shaker@aun.edu.eg)

[linkedin.com/in/mohamed-shaker-1412421b4](https://www.linkedin.com/in/mohamed-shaker-1412421b4)

[mohamedshaker | Faculty of Science \(aun.edu.eg\)](http://mohamedshaker@faculty.aun.edu.eg)

Assiut (71511) - Egypt – 01552887250

## Research Interests:

- Heterogeneous and Homogeneous Catalysis.
- Hydrogen production
- Sustainable and Green Chemistry

## Education

- **Bachelor of Science in Industrial and Applied Chemistry, Assiut University, Faculty of Science**

CGPA is 3.8 out of 4 (Distinction with Honors). Ranked 1<sup>st</sup> in the department. 2019-2023

**Graduation Project:** Adsorptive remediation of crystal violet dye from aqueous solution over natural kaolin.

**Grade:** Excellent.

- **Study Abroad: Georgia State University, Atlanta, United States of America, Arts and Science School, Summer institute. (Scholarship)** 2/7/2022-8/8/2022

GPA is 4 (Excellent)

## Conferences and Seminars

- **The 8<sup>th</sup> conference for Young Scientists in Basics and Applied Sciences**  
Assiut, Egypt -Listener 15/10/2024 - 16/10/2024

The conference discussed the updates in sustainable development. The conference was a great opportunity for Chemistry and Material Science, and Nanotechnology and Biotechnology.

- **Pure and Applied Chemistry, Assiut, Egypt -Listener** 29/9/2024

The 1st Annual Scientific Meeting on Pure and Applied Chemistry. The theme of this meeting broadly covered a broad-spectrum discipline of chemistry from fundamental research to applications, which will give participants a platform to exchange ideas, discover novel opportunities, reacquaint themselves with colleagues, and broaden their knowledge.

- **Fluorescence Innovations and Research in Fluorescence and Dye/Stain Applications**  
Atlanta, United States of America -Listener 4/8/2022

The international conference highlighted the latest research in development, synthesis, characterization of new fluorescent dyes, stains, and probes, which have diverse biological applications.

## Experience

### ➤ **Demonstrator at Chemistry department.**

2/6/2024- now

#### **Faculty of Science, Assiut University.**

- Take postgraduate studies to be a professor at Assiut University and to participate in scientific research to solve problems facing my country and world and to help students with my expertise.
- Assist in preparing and delivering lab sessions.
- Grade assignments, lab reports, quizzes, and exams under supervision.
- Ensure lab safety protocols are followed and provide feedback to students to enhance learning.
- Hold office hours to answer questions and clarify student doubts.
- Guide small group discussions and help with study sessions.
- Support students in understanding complex chemistry concepts and laboratory techniques.
- Participate in writing research proposals and scientific papers under faculty supervision.
- Attend meetings and workshops to improve research and teaching skills.
- Stay updated with advancements in chemistry.

### ➤ **Summer Intern at Cemex Egypt**

9/2022-10/2022

- Gained in-depth knowledge of cement manufacturing processes from quarry to packing.
- Conducted physical and chemical tests to ensure the quality of cement, including flow table, slump, sieve, Blain, water consistency, expansion, setting time, strength, loss ignition, and insoluble residue.
- Executed X-ray examinations on samples taken from various processes.
- Developed expertise in testing alternative fuels such as RDF, TDF, and Biomass to reduce CO2 emissions.

## Activities

### ● **Virtual Exchange program between Montana University and Egyptian University**

7/2019-8/2019

It is a program that aimed to participate in consolidating relations between Egypt and the United States through an exchange program between Egyptian university students and students from American universities, specifically the University of Montana. Due to the medical conditions of the Corona pandemic, the program was via online platforms. During the program, we shared cultures, customs and traditions between Egypt and the United States, and we exchanged lessons with students from the University of Montana in teaching the Arabic language and learned more about American Culture.

### ● **Volunteer at Etijah - Youth and Development Consultancy Institute**

2019-2023

I was a part of HEI Scholarship. HEI is the U.S. Egypt Higher Education Initiative Public University Scholarships, where community service is one of the main components of the scholarship managed by Etijah. I have completed a total of 344 hours of community service throughout my college years in several sectors like Childhood, Education and Health. For Education and Childhood sectors. I was the founder and director of " Let's Help" initiative: aimed to spread awareness among parents about the mental and physical health of their children, Also I was part of Wasla and Forsa "online initiatives that provide youth with scholarships and soft skills courses opportunities, my main role as a team leader of graphic designer was designing social media flyers. In addition, I organized several events in the field of developing youth leadership skills for the YLY "Youth Leading Youth" initiative. For the health sector, I visited several villages during the pandemic of COVID - 19 being part of awareness- rising campaigns, as well he was part of "Your health is an important initiative through organizing marathons all over Egypt.

Please feel free to contact Nahmed@etjah.org if you need any further verification.

## Language

- English is high proficiency (writing, speaking).
- Arabic.

## Scholarships

- I was a recipient of the Higher Education Initiative Scholarship. The Public University Scholarships, one component of (HEI), is a scholarship for high school graduates to attend excellence programs at 5 top public universities in parallel with specially designed supplementary enhancement activities such as English, leadership training and career planning, as well as internships, community service, and study abroad and is funded by USAID.

## Technical courses

- Writing in Science, Stanford University, Coursera.
- Health and Safety, American University in Cairo.

## Awards and Honors

- **Named Valedictorian among the five HEI scholarship universities: Cairo, Ain Shams, Alexandria, Mansoura, and Assiut during the graduation ceremony of the 2023 cohort.** 2023
- **Ideal student at Faculty of Science, Assiut University** 2022

The criteria for the competition were academic excellence, leadership skills through initiatives I contributed to, participation in international activities, soft skills through community service outside of the university, and political and cultural awareness.

- **Awesome Student for the five times in row by the scholarship program funded by USAID and administered by Amideast/Egypt.** 2019-2020-2021-2022- 2023
- **The Summer Institute Badge** 2022  
represents successful participation from Georgia State University.

## Proof

Please figure out the certificates and awards that I got on Google Drive Link

[https://drive.google.com/drive/folders/1HhxoYZCnSKmvMRR8ExcaD9UHgKWY1R2i?usp=drive\\_link](https://drive.google.com/drive/folders/1HhxoYZCnSKmvMRR8ExcaD9UHgKWY1R2i?usp=drive_link)