



Mostafa Mohamed Gaafar

Date of birth: 04/05/1996 | **Nationality:** Egyptian | **Gender:** Male |

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WORK EXPERIENCE

2022 – CURRENT

LECTURER ASSISTANT AT CHEMISTRY DEPARTMENT, FACULTY OF SCIENCE, DAMIETTA UNIVERSITY, EGYPT.

2020 – 2022

TEACHING ASSISTANT AT CHEMISTRY DEPARTMENT, FACULTY OF SCIENCE, DAMIETTA UNIVERSITY, EGYPT.

EDUCATION AND TRAINING

10/2022

M.SC. IN ORGANIC CHEMISTRY, CHEMISTRY DEPARTMENT, FACULTY OF SCIENCE, DAMIETTA UNIVERSITY, EGYPT .

Thesis " Modification and Characterization of some PolymerNanocomposites for Water Remediation Applications"

05/2018

B.SC. IN CHEMISTRY, FACULTY OF SCIENCE, DAMIETTA UNIVERSITY, EGYPT. (Grade: 84.48%, Excellent with Degree of Honor, 3nd of the Class)

09/07/2017 – 20/07/2017

TRAINEE AT NUCLEAR MATERIAL AUTHORITY Department of Chemistry, Cairo, Egypt.

29/07/2017 – 10/08/2017

TRAINEE AT GENERAL ORGANIZATION FOR EXPORT AND IMPORT CONTROL (GOEIC) Central Directorate of Food Stuff Test Lab, Quality Department, Damietta Port, Damietta, Egypt.

13/08/2017 – 24/08/2017

TRAINEE AT MISR FERTILIZATION PRODUCTION COMPANY (MOPCO) Quality control lab, Damietta, Damietta port, Egypt.

LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

| | UNDERSTANDING | | SPEAKING | WRITING | Over all Score |
|---------|---------------|---------|----------|---------|----------------|
| | Listening | Reading | | | |
| ENGLISH | 6.5 | 6.5 | 7.0 | 6.5 | 6.5 |

International English Language Testing System (IELTS)

● ADDITIONAL INFORMATION

PUBLICATIONS

[Gaafar MM, Eltaweel FM, Fouda HA, Abdelaal MY. Synthesis of novel chitosan Schiff base and its ZnO nanocomposite for removal of synthetic dye, antimicrobial, and cytotoxicity activity. Journal of Bioactive and Compatible Polymers. 2022;37\(5\):359-380.](#)

[Eltahan N, Elbesh ZY, Abdullah AA, Gaafar MM. Some Metal-Organic Frameworks: from Green Synthesis to Applications - A mini-review. SSRN Electronic Journal. 2023 Oct.](#)

[Elbayoumy E, Elhendawy M, Gaafar MM, et al. Novel fluorescent sensor based on triazole-pyridine derivative for selective detection of mercury \(II\) ions in different real water samples: Experimental and DFT calculations. J Mol Liq 2024; 124589.](#)

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills Good communication and team spirit skills gained during my experience as Lecturer Assistant.

Other skills

- I am interested in the design and synthesis of Organic molecules and macromolecules alongside synthesis of Nanocomposites. I am also very interested in the application of these synthesized molecules in the biological and industrial fields.
- I can do condensation, free radical and ring opening polymerization also I can perform column chromatography, TLC, the distillation of solvents, other essential techniques in the organic synthetic lab, reading spectroscopic data: (FTIR, ¹H NMR, UV-Vis), XRD, SEM, TEM and thermal analysis measurements of molecules and nanoparticles.
- I am also experience with standard software for chemistry such as (ChemDraw, XpertHigh Score, Origin, Mestrenova and Imagej)

REFERENCES

1)

Prof. Dr. Hamada Fouda
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Prof. Dr. Ashraf Elbindary
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3)

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