

MUHAMMED ABD ELHAMIED ABD ELTAWAAB

Teaching Assistant AT CHEMISTRY DEPARTMENT, FACULTY OF SCIENCE, CAIRO UNIVERSITY.



PERSONAL DETAILS

- **Address:** 1 Kamal Muhammedien St, Bedef, Ayat, Giza, Egypt
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- **Gender:** Male
- **DOB:** 08/03/1994
- **Nationality:** Egyptian

EDUCATION

- **Chemistry Department, Faculty of Science, Cairo University**

03/2019 – 10/2020
Master's degree in analytical chemistry.
My thesis discusses the Synthesis and Application of Molecularly Imprinted Polymers for the Antiviral Drug Sofosbuvir
- **Chemistry Department, Faculty of Science, Cairo University**

2012 – 2016
Bachelor's degree, excellent with honor degree

WORK EXPERIENCE

- **Hikma Pharma, Egypt**

11/2016 – 11/2017
QC analyst in the drug stability department.
- **Chemistry Department, Faculty of Science, Cairo University**

11/2017 – 10/2020
Instructor at the Chemistry Department, Faculty of Science, Cairo University.

10/2020 – now
Teaching assistant at the Chemistry Department, Faculty of Science, Cairo University.

PUBLICATIONS

- **M.A.H.A. Tawab**, M.G.A. El-Moghny, R.M. El Nashar, Computational design of molecularly imprinted polymer for electrochemical sensing and stability indicating study of sofosbuvir, *Microchem. J.* 158 (2020) 105180, (<https://doi.org/10.1016/j.microc.2020.105180>).

CONFERENCE AND WORKSHOP CONTRIBUTION

- **Synthesis and Application of Molecularly Imprinted polymers for Some Pharmaceutical Compounds.**
Oral presentation in the 8th Biannual International Conference on Chemistry.
Chemistry Department, Faculty of Science, Cairo University, Cairo, Egypt.
- Participation in the workshop "**CLIMATE ACROSS THE CURRICULUM: EDUCATIONAL RESOURCES FOR TEACHERS**"
Four Seasons Hotel, Cairo, Egypt (15-16 April 2019).
- Participation in the conference of "**Scientific Cultural Association for Training and Development in Medical Science and Stem Cells**" Luxury, Egypt (07 Feb.2019).
- Participation in the workshop of "**Health, Safety and Environment in Chemical Industry**"
Chemistry Department, Faculty of Science, Cairo University, Cairo, Egypt (16 Mar. 2016).

HONORS AND AWARDS

- **Prof. Dr/ Hamed Abd Elfatah Khalifa's Award**
Dedicated to the top-three undergraduate students at Chemistry Department.
- **Chemist/ Mohamed Ibrahim Khalil's Award**
Dedicated to the top-ten undergraduate students at Chemistry Department.

SKILLS

Drug Analysis:

- Electro-analysis of pharmaceutical compounds using molecularly imprinted polymers.
- Analysis and stability indicating studies of Pharmaceutical compounds using HPLC, UPLC, and dissolution apparatus.
- Fluent in using the potentiostat.

Material science:

- Electrochemical preparation, modification, and characterization of molecularly imprinted polymers.
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Drug Analysis and Stability Indicating studies

Teaching:

- I have been teaching many courses for undergraduate students mainly in analytical chemistry (gravimetric analysis, Instrumental Analysis, and chromatography).

Language:

- Arabic (Native speaker)
- English (good)

REFERENCES

- 1- **Prof. Dr. Rasha Mohamed El Nashar**
Professor of Analytical Chemistry
Department of Chemistry, Faculty of Science, Cairo University
E-mail: rashaelnashar@gmail.com
- 2- **Dr. Muhammad Gamal Abd El-Moghny, Ph.D.**
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