



Ahmed Mohsen Kamal Elsagheir

Nationality: Egyptian **Date of birth:** 07/02/1994 **Gender:** Male

Phone number: (+20) 01123557591

Email address: ahmad.kamal@pharm.aun.edu.eg

Website: <https://orcid.org/my-orcid?orcid=0009-0003-5034-1495>

Work: 71526 Assiut (Egypt)

ABOUT ME

I'm working as assistant lecturer at Medicinal Chemistry Department-Faculty of Pharmacy-Assiut University. I'm interested in design and synthesis of organic compounds of potential biological activities. Mostly antimicrobial and anticancer agents and molecular modeling.

EDUCATION AND TRAINING

• **B. Pharm. Sci., Assiut University, June 2017**

Faculty of Pharmacy

City: Assiut | Country: Egypt

• **M.Sc. Pharm. Chem. (Assiut University; under the following title "Design, synthesis and investigation of new norfloxacin based derivatives with potential biological activity"**

WORK EXPERIENCE

Assistant lecturer

Medicinal Chemistry Department-Faculty of Pharmacy-Assiut University [01/10/2022 – Current]

City: Assiut | Country: Egypt

Research interests

- Design and synthesis of organic compounds of potential biological activities.
- Chemical and biochemical modifications of lead compounds to maximize the biological activity and reduce toxicity.
- Design, Synthesis and Investigation of heterocyclic compounds with diverse biological effects. Mostly anticancer, antitubercular and antimicrobial agents
- Molecular Modeling and computer-aided drug design.
- Correlating the chemical descriptors & physicochemical parameters with biological activities quantitatively (QSAR studies).

PhD researcher at Pharmaceutical Chemistry and Technology Division

University of Helsinki [18/09/2023 – Current]

City: Helsinki | Country: Finland

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s): English

SKILLS

scientific skills

- Use and interpret NMR, IR, MS, and other Spectrophotometric data.

- Use different chromatographic techniques (TLC, Column chromatography) in synthesis and purification of compounds.
- Use UV-VIS spectrophotometer (single and double beam) in investigation of drug-metal chelation.
- Use Molecular Operating environment (MOE) software for Computer-Aided drug design.
- Use windows processor with different chemistry programs as CS ChemOffice.