
Enas Al-Hurani

MSc Medicinal Chemistry, BSc Pharmacist

✉ eaalhurani15@ph.edu.jo

📍 **Jordan**

📞 **+962797403973**

Summary: Enas Al-Hurani is a Medicinal Chemistry expert with a Master's degree from Jordan University of Science and Technology. She has published **four** articles and two under review, including both research and review papers, focused on synthesizing novel anticancer compounds. Enas has a strong interest in computational chemistry, particularly in computational drug design, where she applies techniques like fragment-based drug design to her research. With significant teaching experience across multiple Jordanian universities, she is proficient in organic synthesis and computational tools. Enas is fluent in Arabic and English and excels in organizational and communication skills, making her a valuable asset in the pharmaceutical sciences.

Education

2015-2019

Jordan University of Science and Technology

Master of Science (MSc) - Medicinal Chemistry and Pharmacognosy

3.22/4 GPA (Very Good)

Thesis: Design, Synthesis and Biological Evaluation of LSD1 Inhibitors as Potential Anticancer Agents Using Fragment-based Drug Design Approach. [\(published in 2019 \(link\)\)](#)

2010-2015

Jordan University of Science and Technology

Bachelor of Science (BSc)- Pharmacy

81.4 % GPA (Very Good)

2009-2010

Irbid Secondary School

General Secondary Education Certificate – High School

96.4 % GPA (Excellent)

Honors and awards

2016-2019

Graduate Teaching Assistant (GTA).

It is a grant provided for distinguished students in master studies.

2010-2015

Scholarship from the Jordanian Ministry of Education

It is a grant provided for distinguished students who passed the Tawjehi exams with high scores.

Teaching experience

2023- 2023

Amman Arab University, Amman, Jordan.

Part-time lecturer. Collage of Pharmacy

- Taught three undergraduate courses, *Basic in Drug Design, Medicinal Chemistry 2 and medicinal chemistry 3*, averaging 70 students.
- Delivered lectures online, hybrid, and on campus.
- Developed quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards

2021- 2022

Hashemite University, Zarqa, Jordan

Part-time lecturer. Pharmaceutical Chemistry Department, Collage of Pharmacy

- Taught two undergraduate courses lab, *Pharmaceutical Organic Chemistry lab and medicinal chemistry synthesis lab*, averaging 70 students.
- Delivered lectures online, hybrid, and on campus.
- Developed quizzes, exams, and homework
- Performed demonstrations for lab experiments.
- Considered lab safety rules before and after experiments.

2020- 2021

Jordan University of Science and Technology, Irbid, Jordan

Part-time lecturer. Medicinal Chemistry Department, Collage of Pharmacy

- Taught two undergraduate courses lab, *Pharmaceutical analytical Chemistry lab and pharmacognosy and phytochemistry lab*, averaging 70 students.
- Delivered lectures online, hybrid, and on campus.
- Developed quizzes, exams, and homework
- Performed demonstrations for lab experiments.
- Considered lab safety rules before and after experiments.

Research experience

-
- 2022- present **Hamad Medical Corporation**, Doha, Qatar- Irbid, Jordan
Remotely Freelancer researcher, Lab professor Raed Al-Zoubi
- Performed literature search, collected, interpreted, and wrote data.
 - Contributed to two review articles.
 - published review article in *Journal of Enzyme Inhibition and Medicinal Chemistry* addressing the importance of drug-containing boron moiety in many types of cancer diseases.
 - Waiting for submitting a review article addressing the importance of benzofuran moiety in drugs for Gout Disorder.
- 2016- 2021 **Jordan University of Science and Technology**, Irbid, Jordan
Research Assistant, Lab Dr Soraya Al-Nabulsi
- Conducted organic chemical reactions to synthesise novel compounds for cancer disease.
 - Contributed to projects of designing and synthesis of enzyme inhibitors. These enzymes included LSD1 and SMYD3.
 - Used computational drug design for design and lab organic for synthesis.
 - Published two research articles about design and synthesis LSD1 enzyme inhibitors in *Journal of molecular graphics & modeling* and *Journal of med chem research*.
 - Published review article about PIM kinase inhibitors in *Journal of Drug Discovery Today*.
-

Publications

Research papers

- 2023 Al bustanji, D., Alnabulsi, S. & **Al-Hurani, E.A.** Hit-to-lead optimization of amino-carboxamide benzothiazoles as LSD1 inhibitors. *Med Chem Res* (2023). [\(Link\)](#)
- 2019 Alnabulsi S, **Al-Hurani EA**, Al-Shar'I NA, El-Elimat T. Amino-carboxamide benzothiazoles as potential LSD1 hit inhibitors. Part I: Computational fragment-based drug design. *Journal of molecular graphics & modeling*. 2019; 93:107440. [\(Link\)](#)

Review papers

2023	Mothana K. Al-Omari, Mai Elaarag, Raed M. Al-Zoubi, Ahmad R. Al-Qudimat, Ayman A. Zarour, Enas A. Al-Hurani , Zainab E. Fares, Leena M. Alkharraz, Mohanad Shkoor, Abdulilah D. Bani-Yaseen, Omar M. Aboumarzouk, Aksam Yassin & Abdulla A. Al-Ansari. Organoboronic acids/esters as effective drug and prodrug candidates in cancer treatments: challenge and hope, Journal of Enzyme Inhibition and Medicinal Chemistry (2023). (Link)
2020	Alnabulsi S, Al-Hurani EA . Pim kinase inhibitors in cancer: medicinal chemistry insights into their activity and selectivity. Drug Discovery Today. 2020. (Link)

Professional training

2018	Research Misconduct Jordan University of Science and Technology, Irbid, Jordan
2017	Author Workshop Jordan University of Science and Technology, Irbid, Jordan
2017	Scientific Writing Workshop Jordan University of Science and Technology, Irbid, Jordan

Technical Skills

Organic Lab Skills

- Synthesis of small molecules under normal and under an inert atmosphere
- Purification using column chromatography (Manual and Automate).
- Using UV, FT-IR, AT-IR, Automated NMR
- Characterization of the synthesized molecule using 1D and 2D-NMR
- Using search engines for reactions: Scifinder, Reaxys.

Computational Drug Design Skills

- Design, hit, and lead identification using De-novo design or Fragment-based Drug Design (FBDD).
 - Using software such as: BIOVIA Drug Discovery studio, Autodoc Vina, Pymol, Prism, ChemDraw.
 - Docking techniques, Binding Energy calculations, MD simulation.
 - Computer proficiency in Microsoft Office operations (word, Excel, PowerPoint, Outlook).
-

Transferable Skills

- Excellent organizational and time management skills
- Excellent communication skills (verbal and written)
- Presentation skills
- Proven ability to handle projects, deadlines, and schedules and prioritize work.

-
- Collaborative problem-solving skills with an affinity for leadership
 - Scientific writing and literature review.
-

Languages

Arabic	Native language
English	Written and spoken, IELTS 7, 15 Aug, 2023

References

Available Upon Request