Enas Al-Hurani

MSc Medicinal Chemistry, BSc Pharmacy

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◉ **Jordan**

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	2024-Present	**Zarqa University**, Zarqa, Jordan. **Lecturer**. College of Pharmacy

2023- 2023

Amman Arab University, Amman, Jordan.
Part-time lecturer. College 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

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)*

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)*
	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)*

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