Said Faroq Saiyid Moshawih

Al-Jubaiha, Amman, Jordan. Al-Ahliyya Amman University E-mail: saeedmomo@hotmail.com | Phone: 0782441146

WORK EXPERIENCE

Al-Ahliyya Amman University Assistant Professor

- Design and deliver undergraduate and postgraduate courses in Medicinal Chemistry, Pharmacology, Toxicology, Phytochemistry, and Clinical Pharmacology.
- Supervise and mentor bachelor students in the Medicinal Chemistry lab, providing hands-on training in computational and experimental drug discovery techniques.
- Conduct computational chemistry, drug discovery, and virtual screening research focusing on target-based drug design and molecular simulations.
- Leverage machine learning models, in various fields, including medical informatics, plant extracts, and marine bioactive compounds for drug discovery and therapeutic applications.

Sunway University

Post-Doctoral Researcher

- Developed computational workflows combining ML models and MDS data for predicting binding affinities and optimizing potential drug candidates.
- Worked on projects exploring the integration of Circular Economy principles in healthcare.

PAPRSB Institute of Health Sciences, Universiti Brunei Darussalam Apr 2022 – Mar 2024 PhD Researcher

- Performed nine in-depth final year projects for undergraduate students with the primary aimof delivering exceptional education.
- Delivered guidance and leadership to a team of eight undergraduate research students to foster innovation and infrastructure within the research landscape.
- Prepared and won two research proposals, amounting to USD 280k

Jordan Center for Pharmaceutical Research, Amman, Jordan Aug 2017 – Mar 2021 Clinical quality control supervisor

- Contributed to the goal of improving global health outcomes by performing bioequivalence studies and ensuring compliance with good clinical practice guidelines
- o Check all study documents and protocol are accurate.
- Ensure all processes contributing to the performance of a clinical trial are conducted properly.
- Maintaining rigorous quality control processes and preparing annual reports for Iraqi, Palestinian, and Jordanian drug factories.
- Demonstrated commitment to building partnerships and promoting knowledge-sharing by collaborating with research groups in various universities to publish papers in highly ranked journals.

Oct 2024 – Present

Mar 2024 – Sep 2024

Universiti Putra Malaysia, Malaysia Research and Teaching Assistant

- Contributed to the goal of promoting good health and well-being by analyzing data related to the potential benefits of *Cosmos caudatus* leaf extracts and conducting in vivo studies on the effect of NSAIDs on platelet activation and aggregation.
- Organized practical and practicum classes as a teaching assistant in the Lab Animal Management course that is taught by the faculty of health allied sciences.
- Demonstrated commitment to fostering innovation and promoting sustainable industrialization by conducting research on drug encapsulation into liposomal nanocarriers as a modern drug delivery system.

EDUCATION

PhD (Computational Chemistry and Drug Discovery) Universiti Brunei Darussalam

- o Awarded with "UBD graduate scholarship" by Brunei government.
- Ph.D. by research mode in deep learning, drug discovery, computational chemistry, and natural products.
- Published in several Q1/Q2 research papers.
- Awarded PhD with Distinction.

MS in Pharmacology and Toxicology Universiti Putra Malaysia, Selangor, Malaysia

- Ethnopharmacological validation for the traditional use of medicinal plants.
- o Experienced in cell culture, Lab animal management, and plant extraction techniques.
- Detected cell death by using fluorescent microscope and performed NSAIDs encapsulation by Pro-Lipo DUO™ liposomes.

BS in Pharmacy

Al Zaytoonah University of Jordan, Amman, Jordan

- University President's and Dean's honor list for 6 semesters.
- Excellent CGPA 89.1%.

• CITATION INDICES:

	Google Scholar	Scopus
Total number of citations:	1330	576
Total number of publications:	43	38

Sep 2014 – Jan 2017

Sep 1999 – Feb 2005

Jan. 2021 – March 2024

Jan 2015 - Aug 2016

h-index	15	13		
URL	https://scholar.google.com/citation	https://www.scopus.com/authid/detail.		
	s?user=_eqg7H4AAAAJ&hl=en	uri?authorId=57209745538		
ORCID	https://orcid.org/0000-0003-4840-0	d.org/0000-0003-4840-0460		

Research Grants

- 1. Awarded a 250,000 BND research grant from the CREATES Grant, Brunei Research Council. Project: "Bioprospecting Local Plants for Anticancer Bioactive Compounds & Halal Natural Product Development in Brunei Darussalam.
- 2. Secured a 47,000 BND research grant from the PAPRSB Institute of Health Sciences. Project "Investigating anticancer effects of *Cosmos caudatus* extracts combined with Resveratrol on human colorectal cancer cell lines"
- Co-Investigator WHO-Sunway University Grant: Appointed as Co-Investigator for a WHO-funded research project on nicotine and tobacco products at Sunway University (Dec 2024–Mar 2025); grant amount: RM 20,000
- Co-Investigator UNISSA-Sunway University Grant: Served as Co-Investigator for a collaborative project on bioactive compounds in Salvadora persica, funded by Sunway University and UNISSA (Dec 2024–Jun 2025); grant amount: RM 120,000

Invited Speaker

- Participated in the virtual symposium titled "Exploring the Potential of Natural Products: A Symposium on the Functionality of Herbs, Microbes, and Algae in Pharmaceutical and Medical Care" organized by INTI International University on April 28, 2023.
- Invited as a speaker during the "Current Drug Research Topics in Pharmacy: Pharmacology Debates" held on 19 April 2023 by Marmara University and recognized for sharing valuable knowledge, resulting in the presentation of a certificate of appreciation.
- Invited as a guest speaker at the International Graduate Student Conference in Pharmacy and Pharmaceutical Sciences (IGSCPS) hosted by the Faculty of Pharmacy, Universitas Airlangga (UNAIR) in Surabaya on 4-5 August 2023.
- Delivered Continuing Professional Development seminar titled "Revolutionizing Drug Discovery: the impact of computational methods and AI on pharmaceutical innovations"

• Workshops and Collaboration

- Workshop held in Bezmialem Vakif University, Beyzok Institute of life Sciences, Istanbul between 13th June and 13th July 2022 for training on Molecular dynamic simulations on Desmond and GROMACS software under the supervision of Dr. Ayesha Fatima.
- Collaborated on a drug discovery machine learning AI project through a workshop held at Quest International University in Ipoh, Malaysia from May 1st to May 23rd, 2023 under the supervision of Prof. Dr. Lee Lam Hong.
- Programme Committee Member BPharm (Hons), Sunway University: Appointed to the

Programme Committee for the Bachelor of Pharmacy (Hons) at Sunway University (Dec 2024–Dec 2027), contributing to curriculum development and academic quality.

 PhD Co-Supervisor – Sunway University: Appointed as Co-Supervisor for a PhD project on liposomal delivery of seaweed and pitaya extracts for neuroprotection at Sunway University

Specialized Courses

- Free Energy Calculations for Drug Design with FEP+ provided by Schrodinger between 6th to 27th April 2023
- Drug Discovery & Medicinal Chemistry provided by Davidson College, Dr. Erland Stevens, 1st March to 1st April 2023
- High-throughput Virtual Screening for Hit Finding and Evaluation by Schrodinger between 15th July to 1st Sept 2021
- Introduction to the Molecular Modelling in Drug Discovery by Schrodinger between 20th May to 29th June 2021.

Skills and Research Awards

- Winner of three international Schrodinger scholarships in drug design.
- Advanced user of Schrödinger Suite for Small Molecule applications
- Research Fellowship, INTI International University, 2023 (invited adjunct position)
- Basic familiarity with Python Programming
- Proficient in MOE Suite for Initiating Virtual Screening Pipelines
- Proficient in Software and Packages: OpenBabel, DataWarrior, Sci-Kit Learn, RDKit.
- Proficient in HPLC and GC-MS analysis techniques.
- Proficient in data analysis, statistical modeling, and data visualization.

PUBLICATIONS (37.5% as first author/ corresponding author)

As first /corresponding author

No.	Year	Title	Journal/Source
1	2024	Consensus Holistic Virtual Screening for Drug Discovery: A Novel Machine Learning Model Approach	Journal of cheminformatics
2	2023	Identification and Optimization of TDP1 Inhibitors from Anthraquinone and Chalcone Derivatives: Consensus Scoring Virtual Screening and Molecular Simulations	Journal of Biomolecular Structure and Dynamics
3	2022	Comparative analysis of an anthraquinone and chalcone derivatives-based virtual combinatorial library. A cheminformatics "proof-of-concept" study	Journal of Molecular Graphics and Modelling
4	2022	Target-Based Small Molecule Drug Discovery for Colorectal Cancer: A Review of Molecular Pathways and In Silico	Biomolecules

		Studies	
5	2022	Synergy between machine learning and natural products cheminformatics: Application to the lead discovery of anthraquinone derivatives	Chemical Biology & Drug Design
6	2022	General Health Benefits and Pharmacological Activities of Triticum aestivum L.	Molecules
7	2019	Potential application of resveratrol in nanocarriers against cancer: Overview and future trends	Journal of Drug Delivery Science and Technology
8	2017	Cosmos caudatus extract/fractions reduce smooth muscle cells migration and invasion in vitro: A potential benefit of suppressing atherosclerosis	Porto Biomedical Journal
9	2017	A comprehensive review on Cosmos caudatus (Ulam raja): pharmacology, ethnopharmacology, and phytochemistry	Int Res J Edu Sci

As co-author

No.	Year	Title/Description	Journal/Source
1	2023	Insights into the computer-aided drug design and discovery based on anthraquinone scaffold for cancer treatment: A protocol for systematic review	PLoS One
2	2023	Synthesis and Biological Evaluation of Hydroxypropyl Ester of Mefenamic Acid as a Promising Prodrug	Letters in Drug Design & Discovery
3	2022	Analgesics Induce Alterations in the Expression of SARS-CoV-2 Entry and Arachidonic-Acid-Metabolizing Genes in the Mouse Lungs	Pharmaceuticals
4	2022	Synthesis and In-Vivo Evaluation of Benzoxazole Derivatives as Promising Anti-Psoriatic Drugs for Clinical Use	Molecules
5	2022	Pharmacotherapeutics applications and chemistry of chalcone derivatives	Molecules
6	2022	Cancer protective effects of plums: a systematic review	Biomedicine & Pharmacotherapy
7	2021	Synthesis of Novel Esters of Mefenamic Acid with Pronounced Anti- nociceptive Effects and a Proposed Activity on GABA, Opioid and Glutamate Receptors	European Journal of Pharmaceutical Sciences
8	2021	Coriandrum sativum L.: A review on ethnopharmacology, phytochemistry, and cardiovascular benefits	Molecules
9	2021	Evaluation of hair growth properties of Topical Kombucha tea extracts	Advances in Traditional Medicine
10	2021	Middle Easterns' Knowledge about Bat Blood Use and Effectiveness in Preventing Hair Growth: A Questionnaire Survey	Archives of Pharmacy Practice
11	2020	Hepatic Histopathological and Ultrastructural Alterations InducedBy 10 nm Silver Nanoparticles	IET Nanobiotechnology
12	2020	Renal ultrastructural alterations induced by various preparations of mefenamic acid	Ultrastructural Pathology
13	2019	Nanoparticles in nanomedicine application: lipid-based nanoparticles and their safety concerns	Book Chapter in

14	2019	Targeted therapeutic Solid Lipid Nanoparticle for Cancer and other human diseases	"Nanotechnology: Applications in Energy, Drug and Food"
15	2018	Potential of Calcium Carbonate Nanoparticles for Therapeutic Applications	Malaysian Journal of Medicine and Science