



Ashraf M. A. Qasem BSc PhD

Assistant Professor

A researcher in the field of natural products chemistry and drug discovery where my work focuses on the study of promising medicinal plants against several targets, isolation of their bioactive principles using methods of chromatography, followed by structural elucidation using NMR and mass spectrometry. My work gets use of medicinal chemistry tools to apply chemical modifications of the natural active compounds and to achieve synthesis of small analogues.

Education

BSc Pharmacy 2012-2017

University of Jordan, Amman, Jordan
Excellent grade, 3.90/4.00

PhD Pharmacy and Pharmacology 2019-2022

Natural Products Chemistry
University of Bath, Bath, UK

Work Experience

Teaching assistant 2017-2019

Zarqa University

- Teaching undergraduates' practical courses.

PhD researcher 2019-2022

University of Bath

Thesis title: Isolation, Characterization, and SAR of norditerpenoid alkaloids from *Delphinium* and *Aconitum*.

Teaching assistant 2020-2022

University of Bath

- Teaching undergraduates' workshops and practical courses.

Assistant Professor 2023-Now

Zarqa University

- Head of Pharmaceutical Sciences Department** 2024-2025

DETAILS

Zarqa University, Zarqa, Jordan

aqasem@zu.edu.jo

+962 795469644

<https://www.linkedin.com/in/ashraf-qasem-399532128>



0000-0003-1359-5421

AWARDS

- RSC conference grant award, 2019, Cambridge, UK
- SCI conference grant award, 2021, Cambridge, UK
- Snap Your Doctorate! Competition award, 2022, University of Bath, UK.
- JPAG Poster award, 2022, London, UK

LANGUAGES

- Arabic (Native)
- English (Excellent)

Conferences

- Department of Pharmacy and Pharmacology seminar, University of Bath, Bath, UK. 2019 (Oral presentation)
- 20th RSC / SCI Medicinal chemistry symposium, Cambridge, UK. 2019 (Poster)
- 21st RSC / SCI Medicinal chemistry symposium, Cambridge, UK. 2021 (Poster)
- JPAG Pharmaceutical Analysis Research Awards and Careers Fair, London UK. 2021 (Flash Poster)
- NMR Discussion Group Postgraduate Meeting, Manchester, UK. 2022 (Poster)
- SCT 29th Young Research Fellows Meeting, Nantes, France. 2022 (Flash Poster)
- XXVII EFMC International Symposium on Medicinal Chemistry (EFMC-ISMC 2022), Nice, France. 2022 (2 Posters)
- 9th EFMC Young Medicinal Chemists' Symposium (EFMC- YMCS 2022), Nice, France. 2022 (2 Posters)
- JPAG Pharmaceutical Analysis Research Awards and Careers Fair, London UK. 2022 (Poster)
- BMCS Postgraduate Symposium XVI, Oxford, UK. 2022 (Poster)
- Department of Pharmacy and Pharmacology seminar, University of Bath, Bath, UK. 2022 (Oral presentation)
- DAAD Taaziz Project conference, Amman, Jordan, 2023 (Oral Presentation)

Publications

- Zeng, Z., **Qasem, A. M. A.**, Kociok-Köhn, G., Rowan, M. G., & Blagbrough, I. S. (2020). *RSC advances*, 10 (32), 18797-18805.
- Zeng, Z., **Qasem, A. M. A.**, Woodman, T. J., Rowan, M. G., & Blagbrough, I. S. (2020). *ACS omega*, 5 (23), 14116-14122.
- **Qasem, A. M. A.**, Rowan, M. G., & Blagbrough, I. S. (2022). *International Journal of Molecular Sciences*, 23(20), 12128.
- **Qasem, A. M. A.**, Zeng, Z., Rowan, M. G., & Blagbrough, I. S. (2022). *Natural Product Reports*, 39 (3), 460-473.
- **Qasem, A. M. A.**, Rowan, M. G., & Blagbrough, I. S. (2022). *ACS omega*, 7 (44), 40493-40501.
- **Qasem, A. M. A.**, Rowan, M. G., Sanders, V. R., Millar, N. S., & Blagbrough, I. S. (2023). *ACS Bio & Med Chem Au*, 3 (2), 147-157
- Al-Mamoori, F., & **Qasem, A. M. A** (2023). Alkaloids as New Leads for Neurodegenerative Diseases.
- Zeng, Z., **Qasem, A. M. A.**, Blagbrough, I. S., Woodman, T. J., Rowan (2024). *Organic & Biomolecular Chemistry*, 22, 7915-7935

Referrals

Dr. Ian S. Blagbrough BSc PhD

PhD supervisor

University of Bath, UK

prsisb@bath.ac.uk

Dr. Michael G. Rowan BSc PhD

PhD supervisor

University of Bath, UK

prsmgr@bath.ac.uk