Al-Hussein Bin Talal University
Faculty Member – Brief Curriculum Vitae

1. Personal Information:

Full Name: Mohammad H. Abukhalil **Faculty / Department:** Faculty of Science / Department of Biological Sciences

Academic Rank: Associate Professor **Area of Specialization:** Molecular Physiology and Pathophysiology

Date of Appointment: 18/09/2018 **Date of Current Rank:** 19/09/2022 **Email:** mabukhalil@ahu.edu.jo

2. Academic Qualifications:

Qualification	Specialization	University / Country	Graduation Year
Ph.D.	Molecular Physiology	Mansoura University / Egypt	2018
M.Sc.	Biology	Mutah University / Jordan	2015
B.Sc.	Biology	Al-Hussein Bin Talal University / Jordan	2012

3. Academic and Administrative Experience:

Rank / Position / Assignment	Institution / Unit	Period
Head of Department	Department of Biological Sciences, AHU	10/2024 – Present
Associate Professor (early promotion)	Departments of Biology and Medical Analysis, AHU	09/2022 – Present
Vice Dean	Princess Aisha Bint Al-Hussein College of Nursing and Health Sciences, AHU	2022 – 2024
Head of Department	Department of Medical Analysis, AHU	2020 – 2024
Assistant Professor	Departments of Biology and Medical Analysis, AHU	2019 – 09/2022
Lecturer	Departments of Biology and Laboratory Medical Analysis, AHU	2018 – 2019

4. Teaching and Academic Supervision:

Key Courses Taught: Human Physiology; Pathology; Histology; General Biology I; Molecular Biology; Molecular Biology and Cytogenetics; Practical Blood Banking (with associated laboratory courses); Supervision of Clinical Training in Medical Laboratory Sciences; Epidemiology (graduate).

Master's Theses Supervised (Number): Doctoral Dissertations Supervised (Number): 1

5. Scholarly Publications and Research Projects:

• **Peer-Reviewed Journal Articles:** Total 42 | Last Five Years 26 (2022–2026) | Books / Chapters / Patents: 1 book chapter

• **Citations:** 2,535 **h-index:** 24 **Database:** Google Scholar **Date Updated:** 31/10/2026

• Three Selected Publications:

1. Abukhalil, M. H., et al. Cyclophosphamide-induced pulmonary toxicity involves oxidative stress, inflammation, apoptosis, and fibrosis with impaired Nrf2/HO-1 signaling: Protective role of rosmarinic acid. Food and Chemical Toxicology, 2025, 115552.

2. Abukhalil, M. H., et al. Taxifolin protects against 5-fluorouracil-induced cardiotoxicity in mice through mitigating oxidative stress, inflammation, and apoptosis: Possible involvement of Sirt1/Nrf2/HO-1 signaling. Cardiovascular Toxicology, 2025.

3. Abukhalil, M. H., et al. Galangin attenuates diabetic cardiomyopathy through modulating oxidative stress, inflammation and apoptosis in rats. Biomedicine & Pharmacotherapy, 2021, 138, 111410.

• **Key Research Project / Grant (Funder, Role, Year):** Investigating the capacity of PLGA nanoparticles as an efficient drug delivery method for enhancement of the anticolorectal cancer activity of rosmarinic acid (USD 180,000) – Funder: Scientific Research and Innovation Support Fund, Ministry of Higher Education and Scientific Research, Jordan, Co-Principal Investigator, 2022–2025.

6. University and Community Service and Achievements:

• **Key Committees / Accreditation and Quality Initiatives / Community Service:**

• Three Major Achievements with Documented Impact:

1. Listed among the World's Top 2% Scientists (Stanford University/Elsevier ranking, 2026) – Main field: Clinical Medicine; Subfields: Pharmacology & Pharmacy, and Oncology & Carcinogenesis.
2. Granted early (accelerated) promotion to the rank of Associate Professor at Al-Hussein Bin Talal University (2022).
3. Secured two competitive research grants as Co-Principal Investigator with a combined value of about USD 250,000 (2019–2025), supporting in vitro and in vivo research on cardioprotection and nanoparticle-based drug delivery for colorectal cancer.

7. Declaration:

I certify that the information provided above is accurate and that supporting evidence can be supplied upon request.

Faculty Member's Name: Mohammad H. Abukhalil **Signature:** ..... **Date:** 31/10/2026