

Inas Saad Rashid Alkhafaji

Personal Information:

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Address: Amman, Jordan.

Education:

- Ph.D. in Pharmaceutical Sciences, School of Pharmacy, University of Jordan.
Dissertation Title " Preparation of a Novel Shell-Ionotropically Crosslinked Micelles based on Hexadecylamine Surfactant and Tripolyphosphate Crosslinker for Drug Delivery into Tumor Cell".
- M.Sc. in Pharmaceutical Sciences, School of Pharmacy, University of Jordan.
Thesis Title " Preparation and Characterization of Microemulsion Based Formula of 5-Aminolaevulinic Acid (ALA) Photosensitizer for PACT Treatment of acne using *Propionibacterium acnes*".
- B.Sc. of Pharmacy, School of Pharmacy, University of Jordan.
- Primary and Secondary High School (Omareya School, Amman Jordan)

Awards:

The 2019 Loreal-Unesco for women in science Levant Fellowship.

Academic Positions:

- Full Time Assistant Prof. School of pharmacy, Jerash University
- Research Assistant, Department of Pharmaceutical Science, School of Pharmacy, University of Jordan, (1/10/2022 -1/4/2023).
- Part time Assistant Professor, Department of Pharmaceutical Science, School of Pharmacy, University of Zarka, (2022).
- Part time Teaching Assistant, School of Pharmacy, Amman Arab University, Summer Semester (2017).
- Part time Teaching Assistant, Department of Pharmaceutical Science, School of Pharmacy, University of Jordan, (2014-2018).

Courses Teaching Experience:

- Physical Pharmacy (Theory and Practical)
- Pharmaceutics (Theory and Practical)
- Pharmaceutical Dosage Forms Compounding Calculations (Theory and Practical)
- Biopharmaceutics (Theory Part)
- Kinetics (Theory Part)
- Industrial Pharmacy (Theory)
- Pharmaceutical Instrumental Analysis Lab
- Pharmaceutical Analytical Chemistry Lab
- Pharmaceutical Organic Chemistry Lab
- Pharmacognosy Lab
- Pharmaceutical Microbiology Lab

Workshops and Training:

- Certificate of Attendance the 1th Pharmaceutical Sciences Conferences Exploring New Frontiers in Pharmaceutical Sciences, Hashemite University, April 2024.
- Certificate of attendance the International Symposium; Biological Therapies: From the Bench to Clinic, School of Pharmacy, University of Jordan May 2023
- Certificate of Attendance the International Center for Gene Engineering and Biotechnology Awareness workshop, October 2019
- The 2nd KHIBC MENA, cancer research conference, October 2-3, 2009, Amman – Jordan.
- Training at Al-Hayat Hospital Pharmacy, Al-Yasmin, Amman, Jordan.
- Training at at Meran Pharmacy, Al- Yasmin, Amman, Jordan.
- Evidence Based Medicine Seminar on Combined Oral Contraceptive, March 18, 2012.
- ASU- Pharmacy First National Conference, recent trends in postgraduate research, December 20-21, 2014, Applied Science University, Amman-Jordan.
- The Pharmacy Scientific day ‘Pharmacy Sciences and Practice: An Updated Perspective ‘, April 29 Wednesday, University of Jordan, Amman-Jordan.

Publications:

- **Alkhafaji E**, Dmour I, Al-Essa MK, Alshaer W, Aljaberi A, Khalil EA, Taha MO. Preparation of novel shell-ionotropically crosslinked micelles based on hexadecylamine and tripolyphosphate for cancer drug delivery. *Pharm Dev Technol.* 2024 Apr;29(4):322-338. doi: 10.1080/10837450.2024.2332457. Epub 2024 Mar 25. PMID: 38502578.
- Hatmal, M.M.M., Al-Hatamleh, M.A., Olaimat, A.N., Alshaer, W., Hasan, H., Albakri, K.A., **Alkhafaji, E.**, Issa, N.N., Al-Holy, M.A., Abderrahman, S.M. and Abdallah, A.M., 2022. Immunomodulatory Properties of Human Breast Milk: MicroRNA Contents and Potential Epigenetic Effects. *Biomedicines*, 10(6), p.1219. Review Article.
- Alkabbani, D. and **Al-Khafaji, E.**, 2020. The Promising Therapeutic Effects of Resveratrol: a Review of Human Clinical Studies. *International Journal of Pharmacognosy*, 7(11), p.257-265. Review Article.

Research Skills:

- Microemulsion Formulation
- Characterization Loaded & Un-Loaded Nanoparticles using:
 1. Dynamic Light Scattering (DLS).
 2. Zeta Potential Analysis.
 3. Transmission Electron Microscope (TEM).
 4. Fluorescence Spectroscopy.

Research interest:

- Microbiology & Bacteriology
- 3D Bio-Printing
- Nanoparticles Fabrication and Stabilization
- Hydrogel & Microemulsion Preparation

References:

- Professor Mutasem O. Taha (University of Jordan – School of Pharmacy)
Email address: mutasem@ju.edu.jo
- Professor Enam Khalil (University of Jordan – School of Pharmacy)
Email address: ekayoub@ju.edu.jo or enamkhalil@yahoo.com.