

CURRICULUM VITAE



Personal information

Amani Daoud AbuKwiak

📍 Amman

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Education

Master's degree in Pharmaceutical Technology 2017- 2021

Jordan University of Science and Technology, *Thesis: Preparation and characterization of metronidazole and ibuprofen in situ microgel for the treatment of periodontitis*

Overall GPA: 4.07/4.00

Bachelor's degree in pharmacy 2012- 2017

Jordan University of Science and Technology

Overall GPA: 88.8%

Teaching experience

Lecturer at Zarqa Private University -Faculty of Pharmacy, Zarqa, Jordan

March 2022-
Present

Course Name (credit hour)

Pharmaceutics I laboratory (1 credit hour)
Pharmaceutics II laboratory (1 credit hour)
Medicinal chemistry laboratory (1 credit hour)
Practical industrial pharmacy laboratory (1 credit hour)
Analytical chemistry laboratory (1 credit hour)
Analytical chemistry (3 credit hours)
Pharmaceutics II (3 credit hours)
Applications in Pharmacokinetics (1 credit hour)
Physical pharmacy lab (1 credit hour)
Pharmaceutical technology (3 credit hours)
Mathematics and pharmaceutical statistics (3 credit hours)

2017-2019

Teaching Assistant

Jordan University of Science and Technology, Faculty of Pharmacy, Irbid, Jordan.

Research experience

February 2021-
March 2022

Research Assistant

Work with Dr. Rania Hamed. Faculty of Pharmacy, Al- Zaytoonah University of Jordan.

- Conduct a full search and summarize the latest updates
- Develop and evaluate different pharmaceutical drug delivery systems
- Assist and support master's students in the Pharmacy Practice Laboratory

Analytical Skills

- High performance liquid chromatography (HPLC)
- Controlled Stress Rheometer
- Tensiometer
- Differential Scanning Calorimetry (DSC)
- Fourier Transform Infrared Spectroscopy (FTIR)
- Zetasizer Nano ZS

Publications

1. Alsmadi MM, AL-Daoud NM, Jaradat MM, Alzughoul SB, **Abu Kwiak AD**, AbuLaila SS, et al. Physiologically-based pharmacokinetic model for alectinib, ruxolitinib, and panobinostat in the presence of cancer, renal impairment, and hepatic impairment. *Biopharm Drug Dispos.* 2021; doi.org/10.1002/bdd.2282.
2. Obaidat R, **Kwiak AD**, Hamed R. Development of combined therapy of metronidazole and ibuprofen using in situ microgels for the treatment of periodontitis. *Journal of Drug Delivery Science and Technology.* 2022 May 1;71:103314.
3. Hamed R, **Abu Kwiak AD**, Al-Adhami Y, Hammad AM, Obaidat R, Abusara OH, Huwajj RA. Microemulsions as Lipid Nanosystems Loaded into Thermoresponsive In Situ Microgels for Local Ocular Delivery of Prednisolone. *Pharmaceutics.* 2022 Sep 19;14(9):1975.
4. Zaid Alkilani A, Hamed R, Abdo H, Swellmeen L, Basheer HA, Wahdan W, **Abu Kwiak AD**. Formulation and Evaluation of Azithromycin-Loaded Niosomal Gel: Optimization, In Vitro Studies, Rheological Characterization, and Cytotoxicity Study. *ACS omega.* 2022 Oct 25.
5. Accepted Abstaract **for 2021 AAPS PharmSci 360** (Development of Combined Therapy of Metronidazole and Ibuprofen Using In Situ Microgels for the Treatment of Periodontitis)
6. Alastal A, **Kwaik AD**, Malkawi AA, Baltzley S, Al-Ghananeem AM. Enhancing Intranasal Delivery and Bioavailability of Dihydroergotamine Utilizing Chitosan Nanoparticles. *Journal of Clinical Pharmacy and Therapeutics.* 2023 Jul 26;2023.
7. Hamed R, **AbuKwiak AD**, Aburayya R, Alkilani AZ, Hamadneh L, Naser M, Al-Adhami Y, Alhusban AA. Microneedles Mediated-Dermal Delivery of Vitamin C: Formulation, Characterization, Cytotoxicity, and Enhancement of Stability. *Heliyon.* 2024 Sep 3.

Work experience

2018- 2020

Quality control of Altibbi's free questions and answers service

Altibbi.com

Responsible for:

- Activation and optimization of patients' questions according to Altibbi policy and features
- Check and edit doctor's answers.
- Edit custom email templates for questions' rejection.

2019- 2021

Freelance content writer

Working on several content writing projects with

- Abdali Medical Center website
- 360Moms website
- Dr Qasem Shehab website
- Dr Yaman Altal website

2018- 2020

Freelance content writer and editor

Altibbi.com

Altibbi is the online Arabic medical dictionary, medical reference, medical portal and medical assistance.

Responsible for:

- **Leading of content writers' team.**
- Quality control of different types of medical content.
- SEO friendly medical content quality control.
- On page SEO optimization.
- Keyword optimisation for medical content pages.
- Develop the content to reach the largest audience.
- Respond to the audience needs, ideas and answering their questions where appropriate.
- Choosing topics based on keywords for content creation, rewriting, editing and formatting after running research and analysis.
- Posting new content.

Research Interest

My work focuses on developing advanced drug formulations including nanoparticles and polymeric-based drug-delivery systems and studying their physicochemical characterization.

Memberships and Administrative Activities

- Jordan Pharmacists Association
- Student Activity Committee: Faculty of Pharmacy, Zarqa university, Sep 2022- Current
- Research Scientific Committee: Faculty of Pharmacy, Zarqa university, Sep 2022- Current
- Academic Plan Committee: Faculty of Pharmacy, Zarqa university, Sep 2023-Current
- Pharmacy Students Research Club, Faculty of Pharmacy, Zarqa university, Mar 2022- Current

Conferences and Scientific days

- The 7th international pharmaceutical conference in AL-Zaytoonah University (11/2019)
- The 7th Scientific Day of the faculty of pharmacy, entitled by "The Corona: Awakenings and Challenges" (3/2022) Zarqa University
- The 5th International Conference of the Faculty of Pharmacy: "Multidisciplinary Pharmaceutical Research", (6/2023). Jordan University of science and technology

Personal skills

Mother tongue	Arabic
Other languages	English: Very good (speaking, reading, writing)
Communication skills	Good communication skills gained through my experience as an editor.
Organizational skills	▪ Leadership ▪ Teamwork
Job-related skills	▪ Adaptable ▪ Dedicated ▪ Dependable ▪ Hardworking

Additional information

References	• Dr Ahlam Zaid Alkilani, Zarqa University Email: ahlamk@zu.edu.jo • Dr. Rania Hamed, Al-Zaytoonah University Email: r.hamed@zuj.edu.jo • Prof. Rana Obeidat, Jordan university of science and technology Email: rmobeidat5@just.edu.jo
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