

Date: 6/5/2025



## CURRICULUM VITAE

### PERSONAL INFORMATION

Faculty Member Name: **Rana Talal Abu-Huwaij**  
Academic Rank: **Professor**  
College: **Pharmacy**  
Department: **Pharmacy**  
Nationality: **Jordanian**  
Address: **Al-Humar, Amman Jordan**  
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### ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- **BS in Pharmacy** September 1986 -June 1991/Jordan University of Science and Technology
- **MSc in Pharmaceutical Technology** /September 1998 -June 2000/Jordan University of Science and Technology
- **Ph.D. in Pharmaceutical Technology** / September 2000-August 2004/Jordan University of Science and Technology /Dissertation title: Development and Evaluation of Mucoadhesive Buccal Patches Releasing Fentanyl Citrate

### ACADEMIC EXPERIENCE

**Duration: 2022-Present**

- University: **Amman Arab University**
- Academic Rank: **Professor**
- Date the rank was granted: **6/2022**
- The body granting the rank: **Al-Ahliyya Amman University**
- College: **Pharmacy**
- Country: **Jordan**

**Duration: 6/2018-6/2022**

- University: **Al-Ahliyya Amman University**
- Academic Rank: **Associate Professor**
- Date the rank was granted: **6/2018**
- The body granting the rank: **Al-Ahliyya Amman University**
- College: **Pharmacy**
- Country: **Jordan**

**Duration: 9/2014-6/2018**

- University: **Al-Ahliyya Amman University**
- Academic Rank: **Assistant Professor**
- Date the rank was granted: **9/2014**

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- The body granting the rank: **Al-Ahliyya Amman University**
- College: **Pharmacy**
- Country: **Jordan**

**Duration: 10/2008-2/2013**

- University: **Ulster University Northern Ireland, UK /Saad College of Nursing & Allied Health Sciences**
- Academic Rank: **Lecturer/Assistant Professor**
- Date the rank was granted: **6/2018**
- The body granting the rank: **Ulster University Northern Ireland, UK /Saad College of Nursing & Allied Health Sciences**
- College: **Humanity & Science Department**
- Country: **UK/KSA**

**Duration: 3/2005-2/2008**

- University: **Al-Ahliyya Amman University**
- Academic Rank: **Assistant Professor**
- Date the rank was granted: **3/2005**
- The body granting the rank: **Al-Ahliyya Amman University**
- College: **Pharmacy**
- Country: **UK/KSA**

**Duration: 9/1998-9/2004**

- University: **Jordan University of Science & Technology**
- Academic Rank: **Teaching Assistant**
- Date the rank was granted: **9/1998**
- The body granting the rank: **Jordan University of Science & Technology**
- College: **Pharmacy**
- Country: **Jordan**

**Duration: 9/1991-7/1995**

- University: **Jordan University of Science & Technology**
- Academic Rank: **Teaching & Research Assistant**
- Date the rank was granted: **9/1991**
- The body granting the rank: **Jordan University of Science & Technology**
- College: **Pharmacy**
- Country: **Jordan**

## NON-ACADEMIC EXPERIENCE

**Duration: 9/2021-9/2022**

- Institution: **Al-Ahliyya Amman University**
- Department: **Faculty of Nursing**
- Position: **Director of Women Health Center**
- Country: **Jordan**

**Duration: 9/2018-9/2020**

- Institution: **Al-Ahliyya Amman University**
- Department: **Faculty of Pharmacy & Allied Health Sciences**
- Position: **Vice Dean for Accreditation & Quality**
- Country: **Jordan**

**Duration: 9/2014-9/2018**

- Institution: **Al-Ahliyya Amman University**
- Position:
- Country: **Jordan**

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**Duration: 9/2013-9/2014**

- Institution: **Royal University for Medical Sciences**
- Position: **Director of Accreditation & Quality Assurance**
- Country: **Jordan**

**Duration: 9/2008-9/2013**

- Institution: **Saad College of Nursing & Allied Health Sciences (in affiliation with the University of Ulster- Northern Ireland)**
- Position: **Head of Quality & Audit Management**
- Country: **KSA**

### CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Quality Center Manager Forum. Riyadh, KSA, May 2011
- Preparation for External Panel Review (NCAAA). Jeddah, KSA, Jan 2011
- Strategic Planning. Al-Khobar, KSA, March 2011
- Crestcom: stress management, time management, dealing with difficult person, and leadership Al-Khobar, KSA 2010-2011
- Learning Outcomes & KPIs: Application and Integration. Al-Khobar, KSA, May 2012
- Total Quality Management Operations. Al-Ahliyya Amman University, Jordan, Sept. Aug 2019
- An accredited higher education quality **assessor** by the Accreditation and Quality Assurance Commission for Higher Education Institutions."Jordan, Sept. 2019
- Human Research Protection by King Hussein Cancer Centre (**KHCC**), **Jordan, Aug 2020**
- Standards for accreditation and quality of new academic programs by Accreditation & Quality Assurance Commission for Higher Education Institution (**AQACHEI**)" April, 2022

### CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member of the Jordan Pharmaceutical Association 1991~ Present
- Member of the National Committee to Combat Epidemics and Communicable Diseases "Pharmacological research and studies review committee"
- عضو في اللجنة المؤسسية للمركز الوطني لمكافحة الأوبئة والأمراض السارية "لجنة مراجعة البحوث والدراسات الدوائية"
- Member of Post Approval Changes for new drugs committee (PAC) Jordan Food & Drug Administration, (**JFDA**) **2017-2019**
- Chairperson of the Accreditation Committee (To evaluate Khawarizmi University Technical College) Accreditation and Quality Assurance Commission for Higher Education Institutions (**AQACHEI**) **Nov. 2019**
- Graduate College Council Member, Jordan University of Science & Technology, Irbid-Jordan, 2018-2020
- Student Disciplinary Council Member, Al-Ahliyya Amman University, Jordan, 2020-2022
- Advisory board member of Women Health Center, Al-Ahliyya Amman University, Jordan, 2021-2022
- Board of Directors Member, Union of Jordanian Universities for Smoking and Tobacco Control 2022-present
- Member of Middle East Association of Pharmaceutical medicine professionals MEAPP 2024-present

### HONORS AND AWARDS

- Prince Al-Hassan's award for the top student of class 1991 Faculty of Pharmacy, Jordan University of Science and Technology 1991
- Faculty of Pharmacy Award of Honour for five consecutive academic years at Jordan University of Science and Technology 1986-1991

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- University Award of Honour for three academic years at Jordan University of Science and Technology 1986, 1990, 1991
- Ranked as the top student on the 1991 class. Jordan University of Science and Technology
- Ranked as the top student on all PhD pharmacy graduate students.
- Graduate scholarship for two years during the Master study, Jordan University of Science and Technology 1998-2000
- Graduate scholarship for four years during the Ph.D study, Jordan University of Science and Technology 2000-2004
- Outstanding Reviewer Acknowledgement award from editor of International Journal of Pharmaceutics IF= 4.845 (2017) Elsevier
- Distinguished Faculty of Pharmacy Alumni Achievement Award at Jordan University of Science & Technology. Jordan University of Science and Technology 2018
- Reviewer Recognition Certificate from editor of International Journal of Pharmaceutics IF= 5.875 (2018) Elsevier
- Reviewer Recognition Certificate from editor of Journal of Drug delivery science & technology IF=3.95 (2018) Elsevier
- Research grant of 48000 JD for the project "Development of buccoadhesive bilayered tablets releasing valsartan" Al- Ahliyya Amman University 2015-2017
- Research grant of 52000 JD for the project "Synthesis of zeolite P for drug delivery applications Deanship of research, Al- Ahliyya Amman University 2018-2020
- Research grant of 50000 JD for the project "Engineering a novel nitric oxide releasing film for the treatment of topical infection. Deanship of research Amman Arab University 2024-2026
- Research grant of 50000 JD for the project "Development and characterization of novel nanocarriers for ocular gene therapy" Deanship of research Amman Arab University
- Research grant of 50000 JD for the project "Novel RANdX for predicting metastasis in Jordanian Females with Breast Carcinoma" Scientific Research Fund- Ministry of Higher Education/Jordan 2021-2023
- First Place Award at the Scientific Research Day for the Poster "The anticancer and antimicrobial activities of eco-friendly coated magnetic iron oxide nanoparticles prepared from Spinacia oleracea leaves extract" submitted by the Rolla Al-Shalabi (Thesis of MSc student supervised by Dr. Rana Abu-Huwajj). Faculty of Pharmacy, Al- Ahliyya Amman University 2021

## SERVICE ACTIVITIES

### Volunteering in many health awareness campaigns

- Organized Breast Cancer Awareness Day at Amman Arab University "(A Step Towards Life... Get Tested) providing health services to women in the local community (Salhoub and Marsaa Women's Association) to conduct a free clinical examination at the university's health center clinic. November 2023 <https://www.aau.edu.jo/en/node/5911>
- Organized Awareness Day at the University of Jordan Hospital "Towards Better Health" Dec. 24, 2023 <https://www.aau.edu.jo/en/node/6066>

### Collaboration with NGOs or health organizations

- Organized the First Anti-Smoking Awareness Day at Amman Arab University which carried the slogan "Towards a smoke-free university" May 27, 2024 [اليوم التوعوي الأول لمكافحة التدخين في جامعة عمان العربية | Amman Arab University \(aau.edu.jo\)](https://www.aau.edu.jo/en/node/6066)
- Organized the second Anti-Smoking Awareness Day at Amman Arab University which carried the slogan "Towards a smoke-free university" May 26, 2025

### Providing free medical/pharmaceutical consultations

- Organized Free Medical Day at Amman Arab University. May 2023

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- Organized a Distinguished Free Medical Day at Amman Arab University with the Participation of (40) Physician and Specialized Institutions, June 3, 2024. [يوم طبي مجاني متميز | في جامعة عمان العربية بمشاركة \(40\) طبيب ومؤسسة متخصصة Amman Arab University \(aau.edu.jo\)](#)
- Participate in a free medical day in Jerash, in collaboration with Al-Istiklal Hospital and the Unified Mission for Relief and Development (based in the USA). The event featured the participation of pharmacy students, significantly contributing to community health awareness and access to medical services 2024. [تنظم يوماً طبياً مجانياً في محافظة جرش "عمان العربية" صيدلة | Amman Arab University \(aau.edu.jo\)](#)

**Participation in public health outreach programs**

- Organized "Ramadan charity Iftar" for more than (40) orphan children, embodying the spirit of love and cooperation among the members of society, reinforcing the noble human values. April 3, 2024 <https://www.aau.edu.jo/en/node/6315>
- Organized and led an event titled "Cooperate" to distribute school bags to orphans, in collaboration with the Kan Ghayth Charity. This initiative, aligned with the social responsibility of Arab Open University, aimed to support orphaned students at the start of the academic year. A total of 40 orphaned students benefited from this initiative. September 9, 2024. [عمان "صيدلة" | تدخل الفرح والسرور لـ \(40\) يتيماً "العربية" Amman Arab University \(aau.edu.jo\)](#)

**THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS**

- Rana Abu-Huwaij**, Maimonah Abed, Rania Hamed. Innovative transdermal doxorubicin patches prepared using greenly synthesized iron oxide nanoparticles for breast cancer treatment. Materials Technology (2024) 39 (1), 2330278
- Rana Abu-Huwaij**, Rolla Al-Shalabi, Enas Alkhader, Farah N Almasri. Urinary Incontinence and Quality of Life in Women of Central Jordan: A Cross-Sectional Study. Clinics and Practice (2024) 14(5) 1921-1930
- Samaa Abdullah, Nabil A Alhakamy, Hatim S AlKhatib, **Rana Abu Huwaij**, Hadil Alahdal, Abeer A Altamimi. Casein and acryl amide complexation and bio-adhesive polymeric nano micelles influence on vortioxetine dissolution, penetration enhancement and in vivo absorption. Food Hydrocolloids for Health. (2024) 6 Pages 100189
- R Hamed, RZ Obeid, **RA Huwaij**, D Qattan, NA Shahin. Topical gel formulations as potential dermal delivery carriers for green-synthesized zinc oxide nanoparticles Drug Delivery and Translational Research (2024) 1-23
- Z Al-Alami, **R Abu-Huwaij**, S Hamadneh, E Taybeh. Understanding Miscarriage Prevalence and Risk Factors: Insights from Women in Jordan. Medicina (2024) 60 (7), 1044
- A Shammeri, **R Abu-Huwaij**, R Hamed. Development and characterization of magnetic hydrogels loaded with greenly synthesized iron-oxide nanoparticles conjugated with cisplatin. Pharmaceutical Development and Technology (2024) 1-10
- AL-Hawamdeh, M.I, **Abu-Huwaij, R.**, Astiti, T.A., Abazeed, O.J., Raees, M.A. Association between COVID-19 vaccines and development of chronic morbidities: a cross-sectional study in the Jordanian population. Current Medical Research and Opinion (2024) 16 Jan
- Rana Abu-Huwaij**, Abdullah N. Zidan . Unlocking the potential of cosmetic dermal delivery with ethosomes: A comprehensive review. Journal of Cosmetic Dermatology (2024) 23(1)17–26
- Rana Abu-Huwaij**, Adian Alkarawi, Dima Salman, Furqan Alkarawi Exploring the use of Niosomes in cosmetics for efficient dermal drug delivery. Pharmaceutical Development and Technology (2023) Sep;28(7):708-718

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- Rania Hamed, Ruwa Z. Obeid, **Rana Abu-Huwaij**. Plant mediated-green synthesis of zinc oxide nanoparticles: An insight into biomedical applications Nanotechnology Reviews (2023) 98: 143-154
- **Rana Abu-Huwaij**, Manal M. Abbas, Rolla Al-Shalabi, Farah N. Almasri. Synthesis of transdermal patches loaded with greenly synthesized zinc oxide nanoparticles and their cytotoxic activity against triple negative breast cancer. Applied Nanoscience (2022) 12, 69–78
- Rolla Al-Shalabi, **Rana Abu-Huwaij**, Rania Hamed, Manal M. Abbas. The antimicrobial and the Antiproliferative Effect of Human Triple Negative Breast Cancer Cells Using the Greenly Synthesized Iron Oxide Nanoparticles. Journal of Drug Delivery Science & Technology (2022) 75, 103642
- Aseel Abu-Rumman, **Rana Abu-Huwaij** & Rania Hamed. Development and in vitro evaluation of Soluplus® and/or Carbopol® 971-based mucoadhesive patches loaded with Atorvastatin. Journal of Adhesion (2022) 98(7),
- Ahlam Zaid Alkilani, Hana Abu-Zour, Anas Alshishani, **Rana Abu-Huwaij**, Haneen A. Basheer, Hadeel Abo-Zour. Formulation and evaluation of niosomal alendronate sodium encapsulated in polymeric microneedles: In vitro studies, stability study and cytotoxicity study Nanomaterials (2022) 12, 3570
- **Rana Abu-Huwaij**, Enas Alkhader, Sanaa Gharaibeh, Iman Khalil. Bridging gaps in distance learning during a pandemic: Exploratory questionnaire-based analysis in Jordan during COVID-19 lockdown. International Journal of Technology Enhanced Learning (2022) Vol 14 (2) pp.198 – 216
- **Rana Abu-Huwaij**; Sarah F. Al-Assaf; Rania Hamed. Recent exploration of nanoemulsions for drugs and cosmeceuticals delivery. Journal of cosmetic dermatology.(2021) 21:3729–3740.
- Maha N. Abu Hajleh, **Rana Abu-Huwaij**, Ali AL-Samydai, Lidia Kamal Al-Halaseh, Emad A. Al-Dujaili Nanotechnology Revolutionizing the Field for Cosmeceuticals Delivery: A Narrative Review. Journal of cosmetic dermatology (2021) 20(12):3818-3828.
- Rania Naser, **Rana Abu-Huwaij**, Iqbal Al-khateeb, Manal M. Abbas, Ali M. Atoom. Green synthesis of zinc oxide nanoparticles using the root hair extract of Phoenix dactylifera: Antimicrobial and anticancer activity. Applied Nanoscience (2021) 11, 1747–1757
- **Rana Abu-Huwaij**, Sarah F. Al-Assaf, Farah Mousli, Maram S. Kutkut, Ahlam Al-Bashtawi. Perceptive review on properties of iron oxide Nanoparticles and their antimicrobial and anticancer activity. Systematic reviews in pharmacy. (2020) 11(8): 418-431

## INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

### Professional Service:

- Membership in many professional associations
- Serving as a reviewer for many academic journals
- Participating in many continuing education for pharmacists and healthcare providers

### Academic/Institutional Service:

- Participation in many university or faculty committees (Curriculum Committee Chair, Supreme Smoking Cessation Committee Chair)
- Organizing workshops, seminars, and first international conference for the college of Pharmacy
- Curriculum development for the accreditation purpose
- Prepared and Launched Master's Program in Pharmacovigilance and Regulatory Affairs
- National Pharmacy Program Placement in AQACHEI
- Accreditation Council for Pharmacy Education (ACPE) Achievement.

#### RESEARCH LINK (Scopus and Google Scholar)

- Scopus: [Abu-Huwaij, Rana T. - Author details - Scopus](#)
- Google Scholar: <https://scholar.google.com/citations?user=F9mLbJYAAAAJ&hl=en>
- Research gate: <https://www.researchgate.net/profile/Rana-Abu-Huwaij/research>
- Orcid: <https://orcid.org/0000-0002-0798-7069>
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#### LANGUAGES

Fluent in speaking and reading English and Arabic