

Alaa Azeez Abudayah

Personal information:

- Date of birth: 24/6/1990
- Nationality: Jordanian
- Marital status: Married
- Mobile: +962 789909642
- E-mail: a.abudayah@jadara.edu.jo

Education:

2023

Ph.D. Degree of Pharmaceutical Technology

- Pharmaceutical Technology Department, JUST University
- Excellent (3.78 out of 4)
- Dissertation: "Targeting Cancer with Smart Nanoparticles: Docetaxel Delivery via pH-Responsive and Mucoadhesive Nanoparticles"

2019

M.Sc. Degree of Pharmaceutical Science

- Pharmaceutical Science Department, Jordan University
- Rating Excellent (3.75 out of 4)
- Dissertation: "Computer-aided drug design and discovery of new KDR [vascular endothelial growth factor receptor 2 (VEGFR-2)] inhibitors via structure-based and ligand-based modeling followed by in vitro assay"

2013

B.Sc. Degree of pharmacy

- Pharmacy, JUST University
- Rating Very Good (82 out of 100)

2008

Secondary School Certificate

- Scientific branch
 - Rating Excellent (91.9 out of 100)
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Publications:

- Kharshid, A. M., Zakaraya, Z. Z., Assab, M. A., Dayah, A. A., Alwardat, S., Saleh, M., & Dayyih, W. A. (2026). Artificial Intelligence-Enabled Competency Assessment in Jordanian Pharmacy Programs: A Vision for the Future. *Pharmacy Practice*, 24(2), 1-4.
 - Al-Nemrwai, N., **Abudayah, A.**, & Darweesh, R. S. Docetaxel-Plga Nanoparticles Coated with Chitosan and its Derivatives for Cancer Treatment: Preparation and Characterization. (2024). Available at SSRN 4717707. **Scopus Quartile Ranking: Q2.**
 - Al Ani, I. H., Al Saadi, N. T., Al Saadi, M. T., **Abudayah, A. A.**, Al-Zaben, M., Almasarwa, H., ... & Dayyih, W. A. (2024). Advancements in Mucoadhesive Delivery Systems for Gastroenterology. *Journal of Hunan University Natural Sciences*, 51(9). **Scopus Quartile Ranking: Q2.**
 - Dayyih, W. A., Hailat, M., Albtoush, S., Albtoush, E., **Abudayah, A. A.**, Alabbadi, I., & Hamad, M. F. (2024). Nanomedicine Advancements in Cancer Therapy: A Scientific Review. *Jordan Journal of Pharmaceutical Sciences*, 17(3), 506-529. **Scopus Quartile Ranking: Q3.**
 - Alqudah, S. M., Hailat, M., Zakaraya, Z., **Abudayah, A. A.**, Abu Assab, M., Alarman, S. M., ... & Abu Dayyih, W. (2024). Impact of Opuntia ficus-indica Juice and Empagliflozin on Glycemic Control in Rats. *Current Issues in Molecular Biology*, 46(11), 12343-12353. **Scopus Quartile Ranking: Q1.**
 - Al-Ani, I. H., Hailat, M., Mohammed, D. J., Matalqah, S. M., **Abudayah, A. A.**, Majeed, B. J., ... & Abu Dayyih, W. (2024). Development and Evaluation of a Cost-Effective, Carbon-Based, Extended-Release Febuxostat Tablet. *Molecules*, 29(19), 4629. **Scopus Quartile Ranking: Q1.**
 - Al-Nimry, S., & **Abudayah, A. A.** (2024). Implication of Microneedle for Ocular Delivery System. *Journal of Drug Delivery Science and Technology*, 105841. **Scopus Quartile Ranking: Q1.**
 - **Abudayah, A. A.** F. (2023). Implication of Nanotechnology for Pulmonary Delivery of Docetaxel. *Jordan Journal of Pharmaceutical Sciences*, 16(2), 470-470. **Scopus Quartile Ranking: Q3.**
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- Alshishani, A., Hasan, I., Ghanayem, F., Al-khasawneh, S., Chowdhury, D., & **Abudayah, A. A.** (2022). Rapid LC-MS/MS method for determination of scopolamine in human plasma. *Pharmacia*, 69(4): 1035–1040. **Scopus Quartile Ranking: Q3.**
 - Alshishani, A., Hasan, I., Ghanayem, F., Al-khasawneh, S., & **Dayah, A. A.** (2022). Simple and rapid LC-MS/MS method for determination of Piribedil in human plasma. *Pharmacia*, 69(3), 615-620. **Scopus Quartile Ranking: Q3.**
 - **Abudayah, AA**, Daoud, S. Al-Sha'er, M. A. Taha, M. (2022) Pharmacophore Modeling of Targets Infested with Activity Cliffs Via Molecular Dynamic Simulation Coupled with QSAR Modeling and Comparison with Other Pharmacophore Generation Method: KDR as Case, *Molecular Informatics*, 19(3), 123. **Scopus Quartile Ranking: Q2.**
 - Hammouri, H., Almomani, F., Abdel Muhsen, R., Abughazzi, A., Daghmash, R., **Abudayah, A.**, ... & Alzein, E. (2022). Lifestyle Variations during and after the COVID-19 Pandemic: A Cross-Sectional Study of Diet, Physical Activities, and Weight Gain among the Jordanian Adult Population. *International Journal of Environmental Research and Public Health*, 19(3), 1346. **Scopus Quartile Ranking: Q1.**
 - Al-Nimry, S., **Abudayah, A. A.**, Hasan, I., & Daghmash, R. (2021). Cosmetic, biomedical and pharmaceutical applications of fish gelatin/hydrolysates. *Marine Drugs*, 19(3), 145. **Scopus Quartile Ranking: Q1.**
 - Al-Sha'er, M. A. Mansi, I. Khanfar, M. and **Abudayah, A.** (2016), Discovery of new heat shock protein 90 inhibitors using virtual co-crystallized pharmacophore generation. *Journal of enzyme inhibition and medicinal chemistry*, 31(sup4), 64-77. **Scopus Quartile Ranking: Q1.**
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Work experience:

2025-2026: Assistant Professor at Jadara University

2024-2025: Assistant Professor at Al-Ahliyya Amman University

2023-2024: Assistant Professor at Jadara University

2019-2023: Teacher at JUST University

2019: Teacher at Jordan University

2014-2019: Teacher assistant at Zarqa University

2014-2017: Research assistant

- With Dr. Mahmoud A. AlSha'er (Medicinal Chemistry)
- With Dr. Jameleh Diabas (Phytochemistry)

2013-2014: Pharmacist in community pharmacy

Skills:

Work effectively both as a team member and independently.

Computer Skills:

- Microsoft Word, Excel, and PowerPoint
- Chemdraw Ultra
- Discovery Studio
- WinNonlin

First Aid Training

Health and Safety Training

Training of the Trainers (TOT)

Basic Life Support (BLS)

Reference:

Dr. Nusaiba Alnemrawi: Associate Professor at Department of Pharmaceutical Technology, JUST, Mobile: 0795014217, Email: nknemrawi@just.edu.jo

Dr. Ruba Darweesh: Associate Professor at Department of Pharmaceutical Technology, JUST, Mobile: 0780214366, Email: rsdarweesh@just.edu.jo

Dr. Mutasem Taha: Professor at the Department of Pharmaceutical sciences, University of Jordan, Mobile: 0777424750, Email: Mutasem@ju.edu.jo
