



Name: Samer Fahmi Ismail Adwan

Citizenship: Jordanian

Mobile: 00962786667315

E mail: sadwan@zu.edu.jo

Education and Qualification

2014-2017: Ph.D. Degree in Pharmacy/ Pharmaceutical Sciences,
Queen's University Belfast.

2004-2007: M.Sc. Degree in Pharmaceutical Sciences,
University of Jordan.

1998-2003: B.Sc. Degree in Pharmacy,
University of Jordan.

Experience

- Worked as assistant professor at Faculty of Pharmacy, Zarqa University, Jordan (1/2/2018- until now).

Worked as lecturer for the following courses:

- Physical pharmacy and pharmaceutics (course no., 1101350)
- Pharmaceutics 1 (1101317)
- Pharmaceutics 2 (1101318)
- Industrial pharmacy (1101417)
- Pharmaceutical technology (1101557)
- Drug delivery (1101560)

- Worked as head of Pharmaceutical Sciences Section at Faculty of Pharmacy, Zarqa University, Jordan (1/9/2019- 1/9/2020).

- Worked as lecturer at Faculty of Pharmacy, Zarqa University, Jordan (1/9/2013- 1/9/2014).

- Worked as lecturer and lab instructor at Um Al-Qura University, Saudi Arabia (14/8/2011- 14/8/2013).

For the theoretical and practical parts of the following courses:

- Pharmaceutics 1 (course no., 1313101-3)
- Pharmaceutics 2 (1313204-4)
- Pharmaceutics 3 (1313303-4)

- Worked as lecturer, training supervisor and head of pharmacy section in the International Academy for Health Sciences (under supervision of Saudi commission for health specialists) , Saudi Arabia (1/5/2007-1/7/2011).

Worked as lecturer for the following courses:

- Pharmaceutics2 (course no;PHR 102)
- Pharmaceutics3 (PHR 103)
- Organic chemistry (OCHM 101)
- Pharmacology1 (PHL 101)
- Pharmacology2 (PHL 102)
- Pharmacology3 (PHL 103)
- Drug information sources (DFS 101)
- Pharmacy ethics and laws (PETH 101)
- Primary health care (HCSP 101)

- Worked as Medical representative for Saudi Pharmaceutical Industries and Medical Appliances Corporation, Jordan (1/9/2006-1/5/2007).

- Physical pharmacy lab lecturer, University of Jordan (1/9/2005-1/2/2005).

- Head of community pharmacy (Jehad pharmacy), Jordan (1/7/2003-1/7/2004).

Publication

Adwan, S., Abu-Dahab, R., Al-Bakri, A. G., & Sallam, A. (2015). Glyceryl monooleate-based otic delivery system of ofloxacin: release profile and bactericidal activity. *Pharmaceutical development and technology*, 20(3), 361-366.

Al-Akayleh, F., Al-Naji, I., **Adwan, S.**, Al-Remawi, M., & Shubair, M. (2020). Enhancement of Curcumin Solubility Using a Novel Solubilizing Polymer Soluplus®. *Journal of Pharmaceutical Innovation*, 1-13.

Al-Akayleh, F., **Adwan, S.**, Khanfer, M., Idkaidek, N., & Al-Remawi, M. (2021). A Novel Eutectic-Based Transdermal Delivery System for Risperidone. *AAPS PharmSciTech*, 22(1), 1-11.

Thakur, R. R. S., **Adwan, S.**, Tekko, I., Soliman, K., & Donnelly, R. F. (2021). Laser irradiation of ocular tissues to enhance drug delivery. *International Journal of Pharmaceutics*, 596, 120282.

Al-Akayleh F., Zakari Z., **Adwan S.**, and Al-Remawi M. (2021). Preparation, characterization and *ex-vivo* human skin permeation of ibuprofen-soluplus polymeric nanomicelles. *Int J Pharm Sci & Res*, 12(5): 2863-69.

Al-Mawla, L., Al-Akayleh, F., Daadoue, S., Mahyoob, W., Al-Tameemi, B., Al-Remawi, M., **Adwan S** and Agha, A. S. A. (2023). Development, characterization, and ex vivo permeation assessment of diclofenac diethylamine deep eutectic systems across human skin. *Journal of Pharmaceutical Innovation*, 18(4), 2196-2209.

Adwan, S., Qasmieh, M., Al-Akayleh, F., & Ali Agha, A. S. A. (2024). Recent Advances in Ocular Drug Delivery: Insights into Lyotropic Liquid Crystals. *Pharmaceutics*, 17(10), 1315.

Adwan, S., Al-Akayleh, F., Qasmieh, M., & Obeidi, T. (2024). Enhanced Ocular Drug Delivery of Dexamethasone Using Chitosan-Coated Soluplus® Based Mixed Micellar System.

Adwan, S., Obeidi, T., & Al-Akayleh, F. (2024). In Situ Gel-Embedded Chitosan Nanoparticles for Nasal Delivery of Imipramine Hydrochloride: Optimization and Controlled Release Evaluation.

Scientific Conferences

- Fractional Er:YAG Laser as a Novel Method for Enhancing Ocular Drug Permeation (**Oral Presentation**)

Adwan, S.

All Ireland Schools of Pharmacy Conference, cork, Ireland, April 2016.

- Localised Ocular Delivery Of Drug Molecules Using Microneedles (**Poster**)

Thakur, R., **Adwan, S.**, Tekko, I., & Donnelly, R.

The 15TH EUROPEAN SYMPOSIUM ON CONTROLLED DRUG DELIVERY, Netherlands, April 2018.

- Laser-Assisted Microportation to Enhance Ocular Drug Delivery (**Poster**)

Thakur, R., **Adwan, S.**, & Donnelly, R.

Controlled Release Society Annual Meeting & Exposition, New York, USA, July 2018.

- Fractional ER: YAG laser as a novel method for enhancing ocular drug permeation (**Oral Presentation**)

Adwan, S., Donnelly, R., & Thakur, R.

The 20th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems, Edinburgh, Scotland, March 2019.

- Fabrication of nanoparticles for delivery across microneedle microporated ocular tissues (**Oral Presentation**)

Adwan S.

The 23rd international conference and exhibition on pharmaceutics and novel drug delivery systems, February 2022.

Memberships

- A member of the Jordanian Association of Pharmacy, Amman, Jordan.

Committees

- A member of the PACK committee, Jordan Food and Drug Administration (JFDA), July 2022- July 2024.

Serving as an academic consultant for the PACK Committee at the Jordan Food and Drug Administration (JFDA), I provided my expertise in pharmaceutical technology and drug delivery to support the committee's objectives. My role involved evaluating and advising on regulatory guidelines, offering insights on quality assurance practices, and assisting in the assessment of product safety and efficacy standards to align with international best practices.

Practical Training

Upon the request of the law of Jordan Pharmaceutical Association (JPA) and the Ministry of Health (MOH) in Jordan and as part of the fulfillment of the degree of Pharmacy at the University of Jordan, the following training has been made:

- A total of four months in community pharmacy at Faisal Pharmacy - Zarqa / Jordan, summer 2001 & 2002.
- One month of clinical and hospital practice at Jordan University Hospital - Amman / Jordan, July, 2003.
- One month in pharmaceutical industry at Hikma – Al-Salt / Jordan, August, 2003.