

## CURRICULUM VITAE

**Name:** Safwan M. Abdel Rahim

**Nationality:** Jordanian

**Business Address:** Applied Science Private University  
Faculty of Pharmacy  
Department of Pharmaceutical Sciences and Pharmaceutics  
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### **EDUCATION:**

Oct. '13-Mar. '18      **PhD Pharmaceutical Technology**  
**University of Sunderland**  
Faculty of Pharmacy, Pharmaceutical and Cosmetic Sciences,  
United Kingdom.  
**Dissertation:** “Preparation and characterization of floating tablets  
to target the stomach”.

Sep. '07-Jun. '10      **M.Sc. Pharmaceutical Sciences**  
**The University of Jordan**  
Faculty of Pharmacy. Amman, Jordan.  
**Dissertation:** “Influence of ethanol on swelling of Carbopol® and  
release of model drugs from its matrix systems”.

Oct. '93- Jun. '98      **B.Sc. Pharmacy**  
**Applied Science Private University**  
Faculty of Pharmacy. Amman, Jordan.

### **ACADEMIC EXPERIENCE & TRAINING**

Jun. '23- Present      **Associate Professor**  
Department of Pharmaceutical Sciences and Pharmaceutics,  
Faculty of Pharmacy, **Applied Science Private University**,  
Amman, Jordan.

Sept. '18- Jun. '23      **Assistant Professor**  
Department of Pharmaceutical Sciences and Pharmaceutics,  
Faculty of Pharmacy, **Applied Science Private University**,  
Amman, Jordan.

- Teaching the following pharmacy undergraduate courses:
  - Pharmaceutical Technology.
  - Industrial Pharmacy.
  - Industrial Pharmacy Laboratory.
  - Pharmaceutical Biostatistics.
  - Pharmaceutics I.
  - Pharmaceutics I laboratory.
  - Pharmaceutics II.
  - Pharmaceutics II Laboratories.
  - Pharmacy Practice.
  - Pharmacy Practice laboratory.
  - Pharmaceutical Microbiology Laboratory II.
  - Pharmacokinetics laboratory.
  - Cosmetic Preparations.
  - Pharmaceutical Legislations

## **PHARMACEUTICAL AND INDUSTRIAL EXPERIENCE & TRAINING**

- Aug. '16- Oct. '21      **Technical Expert**  
 The Registration of Generic Pharmaceutical Products Committee.  
**Jordan Food and Drug Administration (JFDA)**, Ministry of Health. Amman, Jordan.
- May. '12- Sept. '13      **Technical Consultant.**  
 Drug Re-registration Committee.  
**Jordan Food and Drug Administration (JFDA)**, Ministry of Health. Amman, Jordan.

## **RELEVANT SKILLS**

- **Instrumental and Analytical skills:**
  - Extensive working knowledge with a variety of physicochemical techniques, such as UV-visible spectroscopy and dissolution.
  - Hands on experience with a variety of formulation equipments, such as tablet press, tablet pan coater, granulator, mill, and blenders.
  - Hands on experience with core solid dosage form processing techniques such as mixing, high shear granulation, dry powder milling, fluid bed drying, tablet compression, and film coating.
  - Hands on experience with solid dosage form in process and quality control tests.

- **Workplace/computer skills:**
  - Computer knowledge: Proficient in MS Word, Excel, PowerPoint.
  - Demonstrated quality work place attributes and interpersonal skills such as communications, teamwork and ability to multi-task, project management and troubleshoot difficult formulations and processes.

### **COMMITTEES' MEMBERSHIP**

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|------------------|--|
| Sep '21- Present | Rapporteur of the <b>Website committee</b> , Faculty of pharmacy, <b>Applied Science Private University</b> , Amman, Jordan.                       |
| Sep '16- Aug '20 | Rapporteur of the Student <b>Academic Guidance Committee</b> , Faculty of pharmacy, <b>Applied Science Private University</b> , Amman, Jordan.     |
| Sep '16- Aug '20 | Member of the <b>University Competency Examination Committee</b> , Faculty of pharmacy, <b>Applied Science Private University</b> , Amman, Jordan. |

### **MASTER'S STUDENTS SUPERVISION**

- **Co-supervisor** for: Heba AbuZeineh (Master's Degree in Pharmaceutical Sciences, Applied Science Private University, June 2021). Title: "An investigation into the drug release barrier of zein press coatings".

### **MASTER'S STUDENTS THESIS COMMITTEE**

- **Internal Examiner** for Nour Yaroub Alshara (Master's Degree in Pharmaceutical Sciences, Applied Science Private University, January 2023). Title: "Evaluation study of Tableting performance of the multifunctional excipient BARETab®: a comparative study".
- **Internal Examiner** for Salem Basaleh (Master's Degree in Pharmaceutical Sciences, Applied Science Private University, June 2020). Title: "The influence of temperature on mechanism and kinetics of tablets disintegration".

### **BOOK CHAPTERS**

- **Abdel Rahim, S.**, and Elkordy, A. (2016). Application of Xanthan Gum as a Sustained Release Agent. In: Xanthan Gum: Applications and Research Studies. Nova Science Publishers, Inc., NY, pp. 67-96.

## **PEER REVIEWED PUBLICATIONS:**

- **Abdel Rahim S.**, N Al-Zoubi, H Khader, R Alwaraydat, F Al-Akayleh (2023) Ethanol-induced dose dumping from sodium alginate matrix tablets: Investigation of the effects of medium viscosity and pH. *Int. J. Pharm.* 632, 122568.
- Abuzeineh H., **Abdel Rahim S.**, Cespi M., Bisharat L., and Berardi A. (2021) Time-controlled release by the incorporation of superdisintegrants within the coat of zein dry coated tablets. *J. Drug Deliv. Sci. Technol.* 65, 102716.
- **Abdel Rahim S.**, Cespi M., Bisharat L., and Berardi A. (2021) A facile and sensitive video-analysis method for tracking floating lag-time and floating rate of gastro-retentive tablets. *J. Drug Deliv. Sci. Technol.* 62, 102403.
- Berardi A., Bisharat L., Quodbach J., **Abdel Rahim S.**, Perinelli D.R., and Cespi M. (2021) Advancing the understanding of the tablet disintegration phenomenon-an update on recent studies. *Int. J. Pharm.* 1(598), 120390.
- Berardi A., **Abdel Rahim S.**, Bisharat L. and Cespi M. (2019) Swelling of Zein Matrix Tablets Benchmarked against HPMC and Ethylcellulose: Challenging the Matrix Performance by the Addition of Co-Excipients. *Pharmaceutics* 11(10), 513-529
- **Abdel Rahim, S.**, Carter, P. and Elkordy, A. (2017). Influence of calcium carbonate and sodium carbonate gassing agents on pentoxifylline floating tablets properties. *Powder Technol.* 322:65-74
- **Abdel Rahim, S.**, Carter, P. and Elkordy, A. (2015). Design and evaluation of effervescent floating tablets based on hydroxyethyl cellulose and sodium alginate using pentoxifylline as a model drug. *Drug Des. Dev. Ther.* 9:1843-1857
- Al-zoubi, N., Alkhatib, H.S., Alobaidi, G., **Abdel-Rahim, S.**, Obidat, W., and Malamataris, S. (2015). Optimization of pH-independent chronotherapeutic release of verapamil HCl from three-layer matrix tablets. *Int. J. Pharm.* 494(1):296-303.
- Aljaberi, A., Ardakani, A., Khair, A., **Abdel-Rahim, S.A.**, Meqdadi, E., Ayyash, M., Alobaidi, G.M., and Al-Zoubi, N. (2013). Functionality evaluation of prosolv easytab<sup>®</sup> in comparison to physical mixtures of its individual components. *J. Drug Deliv. Sci. Technol.*, 23 (5): 499-504. 4
- **Abdel Rahim, S.**, Al-Ghazawi, M., Al-Zoubi, N. (2013). Influence of ethanol on swelling and release behaviour of Carbopol<sup>®</sup>-based tablets, *Pharm. Dev. Technol.*, 18 (5):1089-1100.