

## CURRICULUM VITAE

### Full name

Ola Ali Altarawneh

*Department of Pharmacy/Faculty of Pharmacy*

*Al-Zaytoonah University of Jordan, Amman, Jordan*

*Phone: 962-6-4291511 Extension 271*

*Fax: +962-6-4291432*

*E-mail: [ola.tarawneh@zuj.edu.jo](mailto:ola.tarawneh@zuj.edu.jo)*

*Homepage: <http://www.zuj.edu.jo/portal/ola-tarawneh/>*



### 1. Personal Data

Date of Birth: 17/07/1979

Nationality: Jordan

### 2. Education

- Ph.D. (Industrial Pharmacy) 2014, Queen's University of Belfast, Belfast, Northern Ireland, UK
- B.Sc. (Pharmacy) 2002, Al-Zaytoonah University of Jordan, Amman, Jordan

### 3. Ph.D. Dissertation

*The Manufacture and Characterisation of Hot Melt Extruded Bioactive Self-Cleansing Materials Designed to Reduce the Bacterial Colonisation and Encrustation Associated with Implanted Urinary Devices, Queen's University of Belfast, Belfast, Northern Ireland, UK*



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#### 4. Employment

##### Academic Positions

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan  
February, 3<sup>rd</sup>, 2014 - now

##### Administrative Positions

NA

#### 5. Research Interests

Pharmaceutics  
Biomaterial and drug delivery  
Pharmaceutical analysis  
Material science

#### 6. Membership in Scientific Societies and Associations

Jordan Pharmaceutical Association

#### 7. Honors and Awards

Honored from the Chairman of the Board of Trustees of Al-Zaytoonah University of Jordan in **acknowledgement of contribution** in the first award of Quality Assurance Certificate from "Accreditation and Quality Assurance Commission of Higher Education Institutions in Jordan", 2017.

#### 8. Fellowships and Scholarships

PhD Scholarship from Al-Zaytoonah University of Jordan (2010 - 2013).

#### 9. Teaching Experience

- *Graduate Courses*

Advanced pharmaceutical technology

- *Undergraduate Courses*

Pharmaceutics 1  
Pharmaceutics 2  
Pharmaceutics 3



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Pharmaceutical Technology  
 Cosmetic preparations  
 Pharmaceutics 3\_Practical Course  
 Practical Pharmaceutical Technology  
 Pharmaceutical Calculations  
 Pharmaceutical Professional Practice

### 10. Supervision of Graduate Research

1. Amal Yousef Bargash, Characterization of Medical Platforms to Reduce the Bacterial Adhesion Associated with Dental Implants, 2018.
2. Sanabel Omar Dawabsheh, Bioavailability of Fluoroquinolones in Human Aqueous Humor, April, 2018
3. Ala'a AbuRezeq, Development and Optimization of Hydrogels, Oleogels, and Bigels as Topical Drug Delivery Systems for Periodontitis, January, 2017
4. Aya Sadat Alsadi, Influence of Polymer Type and Its Molecular Weight on the Release of Quercetin from Polymeric Micelles, July, 2016
5. Ali Mahmoud Jasim, The Effect of Polymer Type, Ratio and Viscosity Grade on the in Vitro Release of Quetiapine Fumarate, a BCS Class II Drug, from a Controlled, May, 2016

### 11. Grants

- Primary investigator: The manufacture and characterization of hydrogel based platforms for the reduction of bacterial adhesion in implanted medical device, 2015, Al-Zaytoonah University of Jordan, 135,000JD
- Co-Investigator: Mussel-Inspired Mucoadhesive Nanoparticles As Novel Gastro-Retentive Dosage Forms, 2015, Al-Zaytoonah University of Jordan, 69,530JD

### 12. Patents

NA



### 13. Membership of Committees

- **National and International**
- *Examination Committee of the following postgraduate students:*
  - Internal examiner for Hala “Mohammad Mutaz” Al-Qawas, Master thesis entitled: Controlled-release Formulations of Carvedilol-loaded Oleogels, August, 2018
  - Internal examiner for Reem Ahmed Maher, Master thesis entitled: The effect of pH and Ionic Strength of the Dissolution Media on the Rate of Quetiapine Fumarate Release from Polymeric Matrix Tablets, March, 2016
  - Internal examiner for Marwa Basel Issa, Master thesis entitled: Development and Optimization of Diclofenac Diethylamine Nanoemulsion-Based Gel Formulation, August, 2015
  - Internal examiner for Areej Awad Allah, Master thesis entitled: Physiologically-Relevant Dissolution Media for BCS Class II Drugs: Toward Accurately Predicting the In Vivo Performance, December, 2014
- **University**
  - *Graduate Follow-up Committee (2015 - 2017).*
  - *The Committee for Curricular Equivalence and Academic Advisement, and Training, and Alumni Follow-up (2017 - now).*
  - *The Committee of Quality Assurance (2016-2018).*
  - *The Committee of Social and sports activities (2015-2016).*

### 14. Professional and Scientific Meetings

#### *Scientific Meetings Organized*

- Member of the Scientific Committee of the Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2017), Amman-Jordan 29-30 November 2017.
- Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2015), Amman-Jordan 21-23 October 2015.



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### *Participation in Scientific meetings*

- Poster- UKPharmSci 2-4 September, 2013, United Kingdom The Design, Manufacture and Characterisation of Novel Medical Device Coatings using Cellulose Polymers, Ola Altarawneh, David Jones, Brendan Gilmore, Gavin Andrews, School of Pharmacy, Queen's University of Belfast.
- Poster- AAPS 2013, Texas, Unites States, Manufacture and Characterization of pH Responsive Hot Melt Extruded Biomaterials, Andrews, G., Altarawneh, O., Jones, D., Gilmore, B., Madi, A., Queen's University of Belfast
- Poster- AAPS 2012, Manufacture and Characterization of Hot Melt Extruded Films for Medical Devices, Altarawneh, O., Jones, D., Gilmore, B., Andrews, G., Williams, M., Queen's University of Belfast.
- Poster- AAPS 2011, Washington DC, United States, DRUG ELUTING PH-TRIGGERED SELF-CLEANSING BIOMATERIALS, Altarawneh, O., Zhai, H., Jones, D., Gilmore, B., Andrews, G., Queen's University of Belfast

### **15. Participation in or organization of curricular and/or extra-curricular activities**

- Consultation on innovative developed materials, KADDB, Jordan, 2017.
- Participation in the following activities:
- University's 10<sup>th</sup> Career Day / Career Day for Pharmacy students, Al-Zaytoonah University of Jordan, Jordan, April 2018.
  - University's 10th Career Day / Career Day for Pharmacy students, Al-Zaytoonah University of Jordan, Jordan, April 2018.
  - Medical day at Islamic Education College (IEC), 6/4/2018.
  - University's 9<sup>th</sup> Career Day / Career Day for Pharmacy students with the participation of 15 pharmaceutical companies and pharmacies, Al-Zaytoonah University of Jordan, Jordan, May 2017.
  - Scientific writing, Al-Zaytoonah University of Jordan, Jordan, 2018.
  - Building Achievement Tests and Analyzing their Results Training, Al-Zaytoonah University of Jordan, Jordan, 2017.
  - Quality management, Al-Zaytoonah University of Jordan, Jordan, 2017.



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- Organization of the following activities:
  - Talk held by Eng. Khalil Wahhab about preparing senior students for writing effective CVs and developing Interview skills, November 2018.
  - The Third Alumni reunion held in Al-Zaytoonah University of Jordan campus, April 2018.
  - Pharmacy Career day for graduates and 5<sup>th</sup> year students held in Al-Zaytoonah University of Jordan campus, March 2018.
  - Talk held by Dr. Khaled Khreisat about preparing senior students for writing effective CVs and developing Interview skills, October 2017.
  - Organizing a career day during the Pharmacist day held in Al-Zaytoonah University of Jordan campus, October 2017.
  - The Second Alumni reunion held in Al-Zaytoonah University of Jordan campus, May 2017.
  - Talk held by Dr. Wafa Al-Jamal (Lecturer in Pharmaceutics, University of East Anglia) in the Faculty of Pharmacy in Al-Zaytoonah University of Jordan, December, 2016.
  - The First Alumni reunion held in Al-Zaytoonah University of Jordan campus, December 2015.

## 16. Publications

- Papers in refereed journals:

Hamed, R., AbuRezeq, A.A. and **Tarawneh, O.**, 2018. Development of hydrogels, oleogels, and bigels as local drug delivery systems for periodontitis. *Drug development and industrial pharmacy*, pp.1-10.

Sunoqrot, S., Hamed, R., Abdel-Halim, H. and **Tarawneh, O.**, 2017. Synergistic Interplay of Medicinal Chemistry and Formulation Strategies in Nanotechnology-From Drug Discovery to Nanocarrier Design and Development. *Current topics in medicinal chemistry*, 17(13), pp.1451-1468.

Sunoqrot, S., Hasan, L., Alsadi, A., Hamed, R. and **Tarawneh, O.**, 2017. Interactions of mussel-inspired polymeric nanoparticles with gastric mucin: implications for gastro-retentive drug delivery. *Colloids and Surfaces B: Biointerfaces*, 156, pp.1-8.

Hamed, R., Al-Samydai, A., Al Baragthi, T., **Tarawneh, O.** and Sunoqrot, S., 2017. Influence of HPMC K100LV and Compritol® HD5 ATO on drug release and rheological behavior of HPMC K4M matrix tablets. *Journal of Pharmaceutical Innovation*, 12(1), pp.62-75.



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Sunoqrot, S., Alsadi, A., **Tarawneh, O.** and Hamed, R., 2017. Polymer type and molecular weight dictate the encapsulation efficiency and release of Quercetin from polymeric micelles. *Colloid and Polymer Science*, 295(10), pp.2051-2059.

Hamed, R., Al-Samydai, A., Al Baraghthi, T., **Tarawneh, O.** and Sunoqrot, S., 2017. Influence of HPMC K100LV and Compritol® HD5 ATO on drug release and rheological behavior of HPMC K4M matrix tablets. *Journal of Pharmaceutical Innovation*, 12(1), pp.62-75.

Hamed, R., Awadallah, A., Sunoqrot, S., **Tarawneh, O.**, Nazzal, S., AlBaraghthi, T., Al Sayyad, J. and Abbas, A., 2016. pH-dependent solubility and dissolution behavior of carvedilol—case example of a weakly basic BCS class II drug. *AAPS PharmSciTech*, 17(2), pp.418-426.

**Book Chapters: NA**

**Conferences Presentations: NA**

**Conference Posters**

- Poster- UKPharmSci 2-4 September, 2013, United Kingdom The Design, Manufacture and Characterisation of Novel Medical Device Coatings using Cellulose Polymers, Ola Altarawneh, David Jones, Brendan Gilmore, Gavin Andrews, School of Pharmacy, Queen's University of Belfast.
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**Reports: NA**