

## CURRICULUM VITAE

### **Ala A Alhusban**

*Faculty of Pharmacy/Department of Pharmacy,*

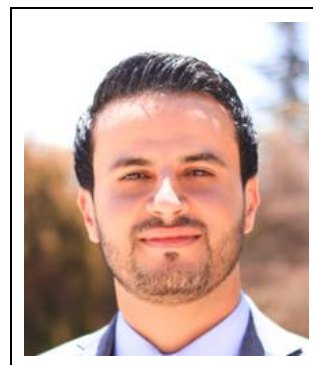
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### **1. Personal Data**

Date of Birth: 13<sup>th</sup> of November, 1980

Nationality: Jordanian

### **2. Education**

- Ph.D. (Pharmaceutical Analysis) 2015, University of Tasmania, Hobart, Tasmania, Australia
- M.Sc. (Medicinal Chemistry and Pharmacognosy) 2006, Jordan University of Science and Technology, Irbid, Irbid, Jordan
- B.Sc. (Pharmacy) 2003, Jordan University of Science and Technology, Irbid, Irbid, Jordan

### **3. Ph.D. Dissertation**

*Bioprocess Monitoring Using Sequential Injection Capillary Electrophoresis,*  
University of Tasmania, Hobart, Tasmania, Australia

### **4. Employment**



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**Academic Positions**

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan  
May 26, 2016 – now

**Administrative Positions**

- Not Applicable

**5. Research Interests**

- Pharmaceutical Analysis using Separation Techniques especially Capillary Electrophoresis

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

- Jordan Pharmacists Association

**7. Honors and Awards**

- Honored for participation in receiving the Faculty of Pharmacy the first Quality Assurance Certificate from Accreditation and Quality Assurance Commission for Higher Education Institutions in Jordan, 2017.

**8. Fellowships and Scholarships**

- PhD Scholarship from Al-Zaytoonah University of Jordan (2012 - 2015).

**9. Teaching Experience**

- ***Graduate Courses***

1. Advanced Pharmaceutical Analysis

- ***Undergraduate Courses***

1. Pharmaceutical Instrumental Analysis
2. Pharmaceutical Instrumental Analysis Laboratory
3. Phytochemistry
4. Medicinal Plants
5. Pharmacology Laboratory
6. Pharmacy Practice II



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## 10. Supervision of Graduate Research

1. Amal Yousef Bargash, Characterization of Medical Platforms to Reduce the Bacterial Adhesion Associated with Dental Implants, 2018.

## 11. Grants

1. *Correlation between metabolic, genetic and epigenetic changes in tamoxifen resistant breast cancer cell line mcf-7 employing electrophoretic techniques*, 2018, Al-Zaytoonah University of Jordan, 65,100 JD.

## 12. Patents

- Not Applicable

## 13. Membership of Committees

- **National and International:**
  - *Australian Centre for Research on Separation Science: member (2012 - now).*
  - *Pharmaceutical Quality Control Committee at Jordan Food and Drug Administration (JFDA): member and technical consultant (2017 - 2017).*
  - *Pharmaceutical Laboratories Affairs Committee at JFDA: member and technical consultant (2017 - now).*
  - *Clinical Trials Committee at JFDA: member and technical consultant (2018 - now).*
  - *Examination Committee of the following postgraduate students:*
    - 1) *Isolation, characterization, synthesis and proposing mechanisms of generating degradation products and related impurities in Lenalidomide raw material, Qusai Sameer Aqel, University of Jordan, 2018.*
    - 2) *Tamoxifen Resistance in Breast Cancer Tracking the Changes in Lactate Dehydrogenase Expression, Lara Imad Al-Lakkis, Al-Zaytoonah University of Jordan, 2018.*
- **University:**
  - *The ACPE Steering Committee, a Faculty committee (Chair).*
  - *The Committee for Scientific Research, a Faculty committee (member).*
  - *The Committee for Curriculum and Educational Resources, a Faculty committee (member).*
  - *The Committee for Curricular Equivalence and Academic Advisement,*



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- and Training, and Alumni Follow-up, a Faculty committee (member)*
- *The Committee of the Detection of the Remaining Equipment in the Warehouses of the Supplies Department, a University committee (Chair).*

#### 14. Professional and Scientific Meetings

##### *Scientific Meetings Organized*

- Member of the Organizing Committee of the *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2017)*, Amman, Jordan, 29<sup>th</sup> to 30<sup>th</sup> of November, 2017.
- Member of the Organizing Committee of the *5<sup>th</sup> Australia New Zealand Nano/Microfluidics symposium (ANZNMF)*, Hobart, Australia, 14<sup>th</sup> to 16<sup>th</sup> of April, 2014.

##### *Participation in Scientific meetings*

- *20<sup>th</sup> Research and Development Topics Conference*, Deakin University, Geelong, Australia, 11<sup>th</sup> to 14<sup>th</sup> of December 2012.
- *UTAS Postgraduate Conference*, University of Tasmania, Hobart, Australia, 4<sup>th</sup> to 7<sup>th</sup> of September 2012.
- *Tasmanian Health Science HDR Student Conference*, University of Tasmania, Hobart, Australia, 5<sup>th</sup> to 6<sup>th</sup> of September 2013.
- *40<sup>th</sup> International Symposium on High-Performance Liquid-Phase Separations and Related Techniques*, Hobart, Australia, 18<sup>th</sup> to 21<sup>st</sup> of November 2013.
- *5<sup>th</sup> Australia New Zealand Nano/Microfluidics symposium (ANZNMF)*, Hobart, Australia, 14<sup>th</sup> to 16<sup>th</sup> of April, 2014.
- *The 3<sup>rd</sup> International Conference Implementation of Microreactor in Biotechnology (IMTB)*, Opatija, Croatia 10<sup>th</sup> to 13<sup>th</sup> of May 2015.
- *International Interdisciplinary Meeting on Bio-analysis*, Brno, Czech Republic, 21<sup>st</sup> to 23<sup>rd</sup> of September 2015.
- *4<sup>th</sup> Scientific day of the College of Pharmacy at Zarqa University (Pharmaceutical practice, Good Practice and Better Health)*, 10<sup>th</sup> of March, 2016.



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- ASU-Pharmacy 4<sup>th</sup> Conference “Recent Trends in Postgraduate Research” and the 3<sup>rd</sup> Conference of the Association of Faculties of Pharmacy at Jordanian Universities, 15<sup>th</sup> to 16<sup>th</sup> of April 2017.
- JUST International Pharmacy Conference, Faculty of Pharmacy at Jordan University of Science and Technology "Challenges vs Opportunities", The 2<sup>nd</sup> International Conference on Ethics in Jordan: Clinical Trials and the 4<sup>th</sup> conference for Faculties of Pharmacy in Jordan, 2<sup>nd</sup> to 4<sup>th</sup> of August, 2017.
- MENA Biosimilars Training, Jordan, 22<sup>nd</sup> to 23<sup>rd</sup> of September, 2018.

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

- University's 9<sup>th</sup> Career Day and Career Day for Pharmacy students on 5<sup>th</sup> of May, 2017 with the participation of 15 pharmaceutical companies and pharmacies.
- University's 10<sup>th</sup> Career Day on 24<sup>th</sup> of April, 2018.
- Career Day for 5<sup>th</sup> year students in March, 2018, in Al-Zaytoonah University of Jordan campus.
- Several Alumni and medical days and public lectures and presentations held in Al-Zaytoonah University of Jordan campus.

### **16. Publications**

- Papers in refereed journals:
  1. **Alhusban, A. A.**, Ata, S. A., & Shraim, S. A. *The Safety Assessment of Toxic Metals in Commonly Used Pharmaceutical Herbal Products and Traditional Herbs for Infants in Jordanian Market*. Biological trace element research, (2018). 1-9. DOI: 10.1007/s12011-018-1367-1.
  2. Breadmore, M. C., Grochocki, W., Kalsoom, U., Alves, M. N., Phung, S. C., Rokh, M. T., **Alhusban, A. A.**, & Keyon, A. S. A. (2019). *Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2016–2018)*. Electrophoresis, 40(1), 17-39.
  3. Tarawneh, O. A., Madi, A. M., Hamed R., Qirem, Q., **Alhusban, A. A.**, Sunoqrot, S., Mahmoud, N., Ata, A., and Isheikh I, *In-vitro Characterization and Evaluation of Commercialized Paracetamol Products in Jordan*. Dissolution Technologies. 26 (1), (2018). DOI: 10.14227/DT260119P??



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4. **Alhusban, A.A.**, Breadmore, M.C., Gueven, N. and Guijt, R.M. *Time-Resolved Pharmacological Studies using Automated, On-line Monitoring of Five Parallel Suspension Cultures*. Scientific Reports, 7(1), (2017) p.10337, DOI: 10.1038/s41598-017-10472-1.
  5. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *Capillary Electrophoresis for Automated On-line Monitoring of Suspension Cultures: Correlating Cell Density, Nutrients and Metabolites in Near-real-time*. Analytica Chimica Acta, ACA, 920, (2016) 94–101, DOI: 10.1016/j.aca.2016.03.034.
  6. Breadmore M. C., Tubaon R. M., Shallan A.I., Phung S.C., Abdul Keyon A.S., Gstoettenmayr D., Prapatpong P., **Alhusban A.A.**, Ranjbar L., See H.H., Dawod M., Quirino J.P. *Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2012-2014)*. Electrophoresis, 36(1), (2015) 36-61. DOI: 10.1002/elps.201400420.
  7. **Alhusban, A. A.**, Gaudry, A. J., Breadmore, M. C., Gueven, N., Guijt, R. M. *On-line Sequential Injection-Capillary Electrophoresis for Near-real-time Monitoring of Extracellular Lactate in Cell Culture Flasks*. Journal of Chromatography A, 1323, (2014) 157-162. DOI: 10.1016/j.chroma.2013.11.006.
  8. **Alhusban, A. A.**, Breadmore, M. C.; Guijt, R. M. *Capillary Electrophoresis for Monitoring Bioprocesses*. Electrophoresis, 34, (2013) 1465-1482. DOI: 10.1002/elps.201200646.
- Books and Book Chapters:
    - Not Applicable
  - Conference Presentations:
    1. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *Online Organic Acids Characterization and monitoring from Bioprocess Using Sequential Injection Capillary Electrophoresis*. 20th Research and Development Topics Conference, Deakin University, Geelong, Australia, 11<sup>th</sup> to 14<sup>th</sup> of December 2012.
    2. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *Sequential Injection Capillary Electrophoresis for Bioprocess Monitoring*. UTAS Postgraduate Conference, University of Tasmania, Hobart, Australia, 4<sup>th</sup> to 7<sup>th</sup> of September 2012.



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3. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *On-line SI-CE for Near-real-time Monitoring of Extracellular Lactate in Cell Culture*. Tasmanian Health Science HDR Student Conference, University of Tasmania, Hobart, Australia, 5<sup>th</sup> and 6<sup>th</sup> of September 2013.
4. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *Online Monitoring of Cell Culture by Sequential Injection Capillary Electrophoresis*. 40<sup>th</sup> International Symposium on High-Performance Liquid-Phase Separations and Related Techniques, Hobart, Australia, 18<sup>th</sup> to 21<sup>st</sup> of November 2013.
5. **Alhusban, A. A.**, Breadmore, M. C., Gueven, N., Guijt, R. M. *On-line Monitoring of Cell Cultures*. The 3rd International Conference Implementation of Microreactor in Biotechnology (IMTB), Opatija, Croatia 10<sup>th</sup> to 13<sup>th</sup> of May 2015.
6. R.M. Guijt, **A. A. Alhusban**, A. Shallan, U. Kalsoom, M. Boyce, M.C. Breadmore, *Alternative Approaches for Sample Preparation in Capillary Electrophoresis*, CECE 2015 – International Interdisciplinary Meeting on Bio-analysis, Brno, Czech Republic, 21<sup>st</sup> to 23<sup>rd</sup> of September 2015.
  - Reports
    - Not Applicable