

CURRICULUM VITAE

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Department of Pharmacy/ Faculty of Pharmacy

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1. Personal Data

Date of Birth: 17/ 06/ 1980

Nationality: Jordanian

2. Education

- Ph.D. Clinical Pharmacy, 2012, Queen's University Belfast, Belfast, Northern Ireland, UK
- M.Sc. Biopharmaceutics, 2006, University of New South Wales, Sydney, New South Wales, Australia
- B.Sc. Pharmacy, 2003, Al-Zaytoonah University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

Title of Dissertation: "Improving medicine use in children- consideration of methotrexate and spironolactone"

Queen's University Belfast, Belfast, Northern Ireland, UK



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4. Employment

- Al Zaytoonah University of Jordan- Jordan (2023 to date)
Professor
- Al Zaytoonah University of Jordan- Jordan (2019 to 2023)
Associate Professor
Lecturing Pharmacokinetics, Clinical Pharmacy, Pharmacy Practice and Therapeutics to level 4 and 5 students, and supervising the students' hospital-based training in terms of application of clinical pharmacy
- Al Zaytoonah University of Jordan- Jordan (2017 to 2019)
Assistant Professor
Lecturing Pharmacokinetics, Clinical Pharmacy, Pharmacy Practice and Therapeutics to level 4 and 5 students, and supervising the students' hospital-based training in terms of application of clinical pharmacy
- Queen's University Belfast- UK (2016-2017)
Research Fellow
Supervising the research at PKPD lab in the School of Pharmacy, Queen's University Belfast.
Running the research work of the project "pharmacokinetics of methotrexate after microneedle delivery, Preclinical study"
Assisting the PhD students in the research work
- Al Zaytoonah University of Jordan- Jordan (2012- 2017)
Assistant Professor
Lecturing Pharmacokinetics, Clinical Pharmacy, Pharmacy Practice and Therapeutics to level 4 and 5 students, and supervising the students' hospital-based training in terms of application of clinical pharmacy
- Queen's University Belfast- UK
Tutor and trainer
Tutoring Pharmacokinetics to B.Sc. students , and training level 5 projects students and postgraduate students on HPLC and LC/MS/MS, dealing (receiving, handling and storing tissue materials) use and other laboratory skills.
- Al Zaytoonah University of Jordan- Jordan
Lecturer
Lecturing Basic Pharmacokinetics to level 4 students and practically illustrating the principles of pharmacokinetics and estimating the pharmacokinetics to level 4 students



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Academic Positions

- Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
Dates: 2023- to date
- Associate Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
Dates: 2019- 2023
- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
Dates: 2012-2016
2017-2018
- Graduate Assistant, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
Dates: 2007-2008

Administrative Positions

- Acting Dean, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, 2020-to date
- Chairman of Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, 2017-to date
- Chairman of Department of Pharmaceutical Sciences, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, 2013-2016

5. Research Interests

- Clinical Pharmacy and Pharmacy practice
- Clinical Pharmacokinetics
- Cancer therapeutics

6. Membership in Scientific Societies and Associations

Jordanian Pharmaceutical Association (APA) 2003 to date

7. Fellowships and Scholarships

- Post doctorate Fellow, School of Pharmacy, Queen's University Belfast, Belfast, Northern Ireland, UK
- Ph.D Scholarship from Al-Zaytoonah University of Jordan, 2008- 2012

8. Teaching Experience

- *Graduate Courses: 2017- to date*
Advanced Biopharmaceutics and Pharmacokinetics



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- **Undergraduate Courses: 2012- to date**
Pharmacokinetics, Clinical Pharmacy I, Clinical Pharmacy II, Pharmacy Practice I, Pharmacy Practice II

9. Supervision of Graduate Research

Supervised four graduate “Masters” students.

10. Grants

- Granting body: Arthritis Research UK.,
Topic: Development of a new method to measure methotrexate levels in children with Juvenile Idiopathic Arthritis (JIA) and Juvenile Dermatomyositis (JDM)
Investigators: McElnay J., **Albawab A.Q.**, Hawwa A
Amount awarded: £30,000.00
- Granting body: Scientific Research Deanship, Al-Zaytoonah University of Jordan
Topic: The effect of endogenous medicinal plants on the gene expression of CYT P450 - identification of the active moieties
Investigators: **Albawab A.Q.**, Hamadneh L., Maadani A.
Amount awarded: JOD24,000.00
- Granting body: Scientific Research Support Fund
Topic: chronic hypoxic MCF7 Breast Cancer Cell line: tracking the alterations on cellular metabolism level
Investigators: **Albawab A.Q.**, Zihlif M
Type of grant: Clinical Studies Group
Amount awarded: JOD 28,000.00
- Granting body: Scientific Research Deanship, Al-Zaytoonah University of Jordan
Topic: Knowledge, attitude and practice towards Influenza vaccines in patients with Chronn’s disease
Investigators: **Albawab A.Q.**, Al-Qerem W.
Amount awarded: JOD 7,700.00
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11. Membership of Committees

- **National and International**



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- Member of IRB Committee at ADCIMA BIOCENTER
- Member of Postgraduate Studies Committee of Pharmacy- Jordan Medical Council
- Member of many Quality Assurance and Qualification Committees delegated by Higher Education Accreditation Council
- **University**
 - *Member of Strategic planning Committee/ Faculty of Pharmacy*
 - *Member of ACPE Steering Committee*
 - *Head of Postgraduate Studies Committee*
 - *Head of Course plans Committee*
 - *Member of Faculty Board Committee*
 - *Member of Quality Assurance Committee*

12. Professional and Scientific Meetings

Scientific Meetings Organized

- Al-Zaytoonah University of Jordan Eighth International Pharmaceutical Conference (ZIPC), Amman, 2022 (Head of Organizing Committee)
- Al-Zaytoonah University of Jordan and The University of Toledo Seventh International Pharmaceutical Conference (ZTIPC), Amman, 2019
- 12th European Biosimilars Congress, Berlib, Germany, 2019
- 2nd International Conference and Exhibition on Pharmaceutical Development and Technology, Osaka, Japan, 2018
- Clinical Pharmacy Congress, London, 2017
- Al-Zaytoonah University of Jordan and The University of Toledo sixth International Pharmaceutical Conference (ZTIPC), Amman, Jordan 2015
- Al-Zaytoonah University of Jordan and The University of Toledo fifth International Pharmaceutical Conference (ZTIPC), Amman, Jordan 2012
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Participation in Scientific meetings

- QUB School of Pharmacy Journal Clubs, on weekly basis, 2017- 2018
- Clinical Pharmacy of Peadiatrics meeting, Belfast, UK, 2010

13. Participation in or organization of curricular and/or extra-curricular activities

- Consultation to pharmaceutical companies and research centers



14. Publications

- Al-Qerem, W., Alassi, A., Jarab, A., Al Bawab, A.Q., Hammad, A., Alasmari, F., Alazab, B.A., Abu Husein, D., AL Momani, N. and Eberhardt, J., 2023. Examining Influenza Vaccination Patterns Among Young Adults with Asthma: Insights into Knowledge, Attitudes, and Practices. *Patient Preference and Adherence*, pp.2899-2913.
- Al-Qerem, W., Jarab, A., AlBawab, A.Q., Hammad, A., Alazab, B.A., Abu Husein, D., Eberhardt, J. and Alasmari, F., 2023. Examining Influenza Vaccination Patterns and Barriers: Insights into Knowledge, Attitudes, and Practices among Diabetic Adults (A Cross-Sectional Survey). *Vaccines*, 11(11), p.1689.
- Al-Qerem, W., Jarab, A., Jarrar, Y., Al-Zayadneh, E., Al-Iede, M., Ling, J., Abu Hammour, K., S. Alabdullah, S., Saad Alabdullah, A., Al Refaie, Y. and Lubbad, D., 2023. Correlation of vitamin D receptor genotypes, specific IgE levels and other variables with asthma control in children. *Journal of Asthma*, pp.1-14.
- Sunoqrot, S., Alkurdi, M., Al Bawab, A.Q., Hammad, A.M., Tayyem, R., Obeed, A.A. and Abufara, M., 2023. Encapsulation of morin in lipid core/PLGA shell nanoparticles significantly enhances its anti-inflammatory activity and oral bioavailability. *Saudi Pharmaceutical Journal*, 31(6), pp.845-853.
- Al-Qerem, W., Al Bawab, A.Q., Hammad, A., Jaber, T., Khdair, S.I., Kalloush, H., Ling, J. and Mosleh, R., 2022. Parents' attitudes, knowledge and practice towards vaccinating their children against COVID-19: A cross-sectional study. *Human vaccines & immunotherapeutics*, 18(5), p.2044257.
- Hajjo, R., Sabbah, D.A., Abusara, O.H. and Al Bawab, A.Q., 2022. A review of the recent advances in Alzheimer's disease research and the utilization of network biology approaches for prioritizing diagnostics and therapeutics. *Diagnostics*, 12(12), p.2975.
- Odeh, M., Amer, R., Al Bawab, A.Q., Kearney, M.C. and Alzoubi, K.H., 2022. Pharmaceutical innovation: The gap between knowledge, attitude, and perceptions among pharmacists and final-year pharmacy students. *Journal of Applied Pharmaceutical Science*, 12(10), pp.088-098.
- Hajjo, R., Sabbah, D.A. and Al Bawab, A.Q., 2022. Unlocking the potential of the human microbiome for identifying disease diagnostic biomarkers. *Diagnostics*, 12(7), p.1742.
- Al-Qerem, W., Al Bawab, A.Q., Abusara, O., Alkhatib, N. and Horne, R., 2022. Validation of the Arabic version of medication adherence report scale questionnaire and beliefs about medication-specific questionnaire: A factor analysis study. *Plos one*, 17(4), p.e0266606.



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- Halloush, S., Alhifany, A.A., Alkhatib, N.S., Al Bawab, A.Q., Al-Qawasmeh, B., Al Shawakri, E.A. and Koeller, J., 2022. Cost-effectiveness of palonosetron and dexamethasone-based triple and quadruple regimens in preventing highly emetogenic chemotherapy-induced nausea and vomiting. *Current Medical Research and Opinion*, 38(4), pp.571-577.
- Al-Qerem, W., Al Bawab, A.Q., Hammad, A., Ling, J. and Alasmari, F., 2022. Willingness of the Jordanian population to receive a COVID-19 booster dose: a cross-sectional study. *Vaccines*, 10(3), p.410.
- Odeh, M., Tailakh, H.M., Al Bawab, A.Q.F., Elshoryi, N.A. and Alzoubi, K.H., 2022. A Comprehensive Assessment of Knowledge, Attitudes, and Practicalities Related to Doping Agents use among Jordanians. *Clinical Practice and Epidemiology in Mental Health: CP & EMH*, 18.
- Al Bawab, A. Q., Al-Qerem, W., Abusara, O., Alkhatib, N., Mansour, M., & Horne, R. (2021, September). What Are the Factors Associated with Nonadherence to Medications in Patients with Chronic Diseases?. In *Healthcare* (Vol. 9, No. 9, p. 1237). Multidisciplinary Digital Publishing Institute.
- Hamadne, L., Al-Lakkis, L., Alhusban, A.A., Tarawneh, S., Abu-Irmaileh, B., Albustanji, S. and Al-Bawab, A.Q., 2021. Changes in Lactate Production, Lactate Dehydrogenase Genes Expression and DNA Methylation in Response to Tamoxifen Resistance Development in MCF-7 Cell Line. *Genes*, 12(5), p.777.
- Hemmo, S.I., Naser, A.Y., Alwafi, H., Mansour, M.M., Alanazi, A.F., Jalal, Z., Alsairafi, Z.K., Paudyal, V., Alomari, E., Al-Momani, H. and Salawati, E.M., 2021. Hospital admissions due to ischemic heart diseases and prescriptions of cardiovascular diseases medications in England and Wales in the past two decades. *International journal of environmental research and public health*, 18(13), p.7041.
- **Al Bawab AQ**, Alkhalidi BA, Albarahmeh EA, Qassim SM, Al-Saifi MA, Al-Saifi B, Ling J, Al-Qerem W. Pharmacokinetics and Bioequivalence Estimation of Two Formulations of Alfuzosin Extended-Release Tablets. *Clinical Pharmacology in Drug Development*. 2020 Oct;9(7):780-4.
- **Al Bawab, Abdel Qader**, Malek Zihlif, Yazan Jarrar, and A. Saleh. "Continuous Hypoxia and Glucose Metabolism, The Effects on Genes Expression in MCF7 Breast Cancer Cell Line." *Endocrine, metabolic & immune disorders drug targets* (2020).
- Jarrar, Yazun, Malek Zihlif, **Abdel Qader Al Bawab**, and Ahmad Sharab. "Effects of Intermittent Hypoxia on Expression of Glucose Metabolism Genes in MCF7 Breast Cancer Cell Line." *Current Cancer Drug Targets* 20, no. 3 (2020): 216-222.
- Jarab, Anan S., Eman Alefishat, Tareq L. Mukattash, **Abdel Qader Albawab**, Rana K. Abu-Farha, and James C. McElnay. "Exploring variables associated



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with poor health-related quality of life in patients with type 2 diabetes in Jordan." Journal of Pharmaceutical Health Services Research 10, no. 2 (2019): 211-217.

- **Al Bawab, Abdel Qader**, Bashar A. Alkhalidi, Esra'A. Albarahmieh, Sami MA Qassim, and Mohammad AD Al-Saifi. "*Comparative Randomized, Single-Dose, Two-Way Crossover Open-Label Study to Determine the Bioequivalence of Two Formulations of Dalfampridine Tablets.*" Clinical pharmacology in drug development 8, no. 3 (2019): 355-360.
- Meng, Teng, **Abdel Qader Al Bawab**, Ahmed F. Hawwa, and James C. McElnay. "*Development and validation of an Enzyme Linked Immunosorbent Assay (ELISA) for gentamicin quantification in dried blood spot samples.*" Asian J Biomed Pharmaceut Sci 9 (2019): 10-15.
- Elhajji, Feras Darwish, Ghaith M. Al-Taani, Lana Anani, Sahar Al-Masri, Haneen Abdalaziz, H. Su'ad, **Abdel Qader Al Bawab** et al. "*Comparative point prevalence survey of antimicrobial consumption between a hospital in Northern Ireland and a hospital in Jordan.*" BMC health services research 18, no. 1 (2018): 849.
- **Al Bawab, Abdel Qader**, Fahad AlQahtani, and James McElnay. "*Health Care Apps Reported in Newspapers: Content Analysis.*" JMIR mHealth and uHealth 6, no. 10 (2018): e10237.
- Chen, Gaoyun, Feras Jirjees Sr, **Abdel Al Bawab**, and James C. McElnay. "*Quantification of amlodipine in dried blood spot samples by high performance liquid chromatography tandem mass spectrometry.*" Journal of Chromatography B 1072 (2018): 252-258.
- Jarrar, Yazun Bashir, Lama Hamadneh, Danya Iqtait, Rana Sadieh, **Abdul Qader Al-Bawab**, and Malek Zihlif. "*The Cytochrome 4F2 rs2108622 Genetic Variant among Unrelated Arab Jordanian Volunteers.*" (2017).
- Al-Qerem, Walid A., Jonathan Ling, and **Abdul Qader AlBawab**. "*Validation of the comprehensive feeding practice questionnaire among school aged children in Jordan: a factor analysis study.*" International Journal of Behavioral Nutrition and Physical Activity 14, no. 1 (2017): 23.
- Jarrar, Y. B., F. Kherfan, A. Obaid, L. Hamadneh, and **A. Q. Al-Bawab**. "*The Frequency of UGT2B7* 2 (802C> T) Allele among Healthy Unrelated Jordanian Volunteers.*" J Drug Metab Toxicol 7, no. 218 (2016): 2.
- Hawwa, Ahmed F., **AbdelQader AlBawab**, Madeleine Rooney, Lucy R. Wedderburn, Michael W. Beresford, and James C. McElnay. "*Methotrexate polyglutamates as a potential marker of adherence to long-term therapy in children with juvenile idiopathic arthritis and juvenile dermatomyositis: an observational, cross-sectional study.*" Arthritis research & therapy 17, no. 1 (2015): 295.



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- Hawwa, Ahmed F., **AbdelQader AlBawab**, Madeleine Rooney, Lucy R. Wedderburn, Michael W. Beresford, and James C. McElnay. "A novel dried blood spot-LCMS method for the quantification of methotrexate polyglutamates as a potential marker for methotrexate use in children." PloS one 9, no. 2 (2014).