

CURRICULUM VITAE

Walid Adnan Al-Qerem

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1. Personal Data

Date of Birth: 12/02/1977

Nationality: Jordanian

2. Education

- Ph.D. (Clinical Pharmacy) 2013, University of Sunderland , Sunderland , Tyne upon Wear, UK
- B.Sc. (Pharmacy) 2000, AlZaytoonah University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

The Prevalence and Risk Factors of Asthma, Allergic Rhinitis and Eczema in Rural and Urban Egyptian Children, Sunderland University, Tyne upon Wear, Sunderland, UK.

4. Employment

Academic Positions

- Associate Professor, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
June 2, 2020-now
- Assistant Professor, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
February 11, 2014 –June 1, 2020



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- Teaching Assistant, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
July 15, 2000- January 28, 2002

Other Positions

Medical Representative, Hoffmann la Roche, Jeddah, KSA
Medical Representative, MSD, Sharjah, UAE
Pharmacist, Rafa Pharmacy, Amman, Jordan

5. Research Interests

My research area covers improving the diagnosis and management of different diseases. This includes validation and formulation of spirometric equations to improve the diagnosis and management of many respiratory diseases including Asthma and COPD. The validation of different instruments used to evaluate health-related quality of life and adherence to medication. My research also covers the study of different variables the influence the outcomes of different diseases.

6. Membership in Scientific Societies and Associations

Jordan association of Pharmacy

7. Honors and Awards

5th European Nutrition and Dietetics Conference (2016), Best poster presentation

8. Teaching Experience

- ***Graduate Courses***
Applied Biostatistics
Research methods and biostatistics
- ***Undergraduate Courses***
Pharmacoeconomics
Pharmaceutical Marketing
Therapeutics and clinical pharmacy (1) and (2)
Clinical Pharmacy Practice (1) and (2)
Pharmaceutical Practice (2)
Pharmaceutical biostatistics



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9. Supervision of Graduate Research

Master Programs

Aspects of improving quality of life in Jordanian patients with Chronic diseases: a cross sectional study (2018).

Validating a tool to measure HRQOL in diabetic Jordanians (2019)

Validating the applicability of GLI-2012 equations on the Iraqi adults (2020)

The effect of diabetes and its management: Insight on cost and quality of life from Jordan (2020)

Clinical features of Covid-19 related to age group: A retrospective analysis of symptoms, treatments and outcomes (2020)

Clinical outcomes and characteristics of patients hospitalized for COVID-19 in Iraq: A retrospective analysis study (2021)

Knowledge, attitudes, and practices of Jordanian patients towards self-medication (2022)

Standardized National Growth Chart of 0-5 years old Jordanian Children (2022)

PhD Programs

Formulating a standardized spirometry reference equations for the Iraqi population (2022)- Field supervisor with Universiti Sains Malaysia

10. Professional and Scientific Meetings

Participation in Scientific meetings

- ZTIPC 2022 Conference (2022), Amman, Jordan
- 16th Vaccine Congress-Elsevier (2022), Riva del Garda, Italy
- ZTIPC 2019 Conference (2019), Amman, Jordan
- World Summit on Toxicology (2018), Rome, Italy
- ZTIPC 2017 Conference (2017), Amman, Jordan
- The World Association for Stress-related and Anxiety Disorders, WASAD Conference (2017), Würzburg, Germany
- 5th European Nutrition and Dietetics Conference (2016), Rome, Italy
- ZTIPC 2015 Conference (2015), Amman, Jordan
- European respiratory conference, (2010), Barcelona, Spain

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

Smart Pharmacy Program: Organized by Jordan Association of Pharmacy to apply a training program for pharmacists.

12. Publications.



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1. Jarab, A. S., **Al-Qerem, W.**, Mukattash, T. L., Alqudah, S. G., Abu-Zaytoun, L., Al-Azayzih, A., & Khmour, M. (2022). Public Perception of Pharmacist's Role during COVID-19 Outbreak in Jordan. *Jordan Journal of Pharmaceutical Sciences*, 15(3), 365–377. <https://doi.org/10.35516/JJPS.V15I3.410>
2. Khmour, S. I., Al-Naimat, O. S., Jarrar, W., **Al-Qerem, W.**, & Khmour, F. A. (2022). The Influence of TNF- α , IL-6, TGF- β 1, INF- γ , IL-10 Polymorphisms on Predisposition to Diabetes Mellitus among Jordanian Patients. *Endocrine, Metabolic & Immune Disorders - Drug Targets*, 22. <https://doi.org/10.2174/1871530322666220827143530>
3. Hammad AM, **Al-Qerem W**, Sunoqrot SZ, Amawi HA, Arabyat RM, Ling J, Robertshaw C. Pharmacy students' perceptions and attitudes towards experiential training in Jordan and United Kingdom. *Trop J Pharm Res* 2022; 21: 1531–1541.
4. Jarab, A. S., **Al-Qerem, W.**, Mukattash, T. L., Al-Hajjeh, D., Al-Azayzih, A., & Hammour, K. A. (2022). Impact of Distance Learning on Pharmacy and Pharm.D Undergraduates' during the COVID-19 Pandemic in Jordan. *Jordan Journal of Pharmaceutical Sciences*, 15(3), 355–364. <https://doi.org/10.35516/JJPS.V15I3.409>
5. Jarab, A. S., **Al-Qerem, W.**, & Mukattash, T. L. (2022). *Information technology in pharmacy practice: Barriers and utilization ARTICLE INFO*. <https://doi.org/10.7324/JAPS.2023.130114>
6. Saleh, M. M., Awwad, O., Jalil, M. H. A., **Al-Qerem, W.**, Saleh, M., Thaher, Y. al, & Abdelghany, S. (2022). Correlation of skin cancer and actinic keratosis-related knowledge and sun protection behaviors and sunscreen use among a sample of Jordanian population. *Journal of Cosmetic Dermatology*. <https://doi.org/10.1111/JOCD.15377>
7. **Al-Qerem W**, Carter N, Ling J. Attitudes to Organ Donation and Transplantation: An Insight From Jordan. *Exp Clin Transplant Off J Middle East Soc Organ Transplant* 2022; 20: 602–608.
8. **Al-Qerem W**, Jarab AS, Qarqaz R, Ling J, Al Hayek M. Knowledge, Attitudes, and Practices Toward Iron-Deficiency Anemia Among Jordanian Women: A Cross-sectional Study. *Top Clin Nutr* 2022; 37: 253–263.
9. **Al-Qerem W**, Jarab A, Hammad A, Alsajri AH, Al-Hishma SW, Ling J, Alabdullah AS, Salama A, Mosleh R. Knowledge, Attitudes, and Practices of Adult Iraqi Population Towards COVID-19 Booster Dose: A Cross-Sectional Study. *Patient Prefer Adherence* 2022; 16: 1525.



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10. Hammad AM, **Al-Qerem W**, Alasmari F, Ling J, Qarqaz R, Alaqabani H. Identifying Drug-Therapy Problems among Syrian Refugees in Zaatari Refugee Camp. *Int J Environ Res Public Health* 2022; 19: 7199.
11. Hammad AM, **Al-Qerem W**, Zaid AA, Khdaif SI, Hall FS. Misconceptions related to COVID 19 vaccines among the Jordanian population: Myth and Public Health. *Disaster Med Public Health Prep* 2022; 1–26.
12. **Al-Qerem W**, Hammad A, Jarab A, Saleh MM, Amawi HA, Ling J, Alasmari F. Knowledge, attitudes, and practice with respect to antibiotic use among pharmacy students: a cross-sectional study. *Eur Rev Med Pharmacol Sci* 2022; 26: 3408–3418.
13. **Al-Qerem W**, Jarab A, Hammad A, Alasmari F, Ling J, Alsajri AH, Al-Hishma SW, Abu Heshmeh SR. Iraqi Parents' Knowledge, Attitudes, and Practices towards Vaccinating Their Children: A Cross-Sectional Study. *Vaccines* 2022; 10: 820.
14. **Al-Qerem W**, Jarab AS, Badinjki M, Hammad A, Ling J, Alasmari F. Factors associated with glycemic control among patients with type 2 diabetes: a cross-sectional study. *Eur Rev Med Pharmacol Sci* 2022; 26: 2415–2421.
15. Hammad AM, **Al-Qerem W**, Alaqabani H, Alasmari F, Ling J. Factors influencing hypertension and diabetes mellitus control among Syrian refugees in Zaatari refugee camp. *Eur Rev Med Pharmacol Sci* 2022; 26: 2408–2414.
16. **Al-Qerem W**, Al Bawab AQ, Abusara O, Alkhatib N, Horne R. Validation of the Arabic version of medication adherence report scale questionnaire and beliefs about medication-specific questionnaire: A factor analysis study. *PLoS One* 2022; 17: e0266606.
17. Jarab AS, **Al-Qerem W**, Mukattash TL, Abuhishmah SR, Alkhdour S. Pharmacists' knowledge and attitudes toward medication therapy management service and the associated challenges and barriers for its implementation. *Saudi Pharm J*.
18. Jarab FS, **Al-Qerem W**, Qarqaz R. Oral Cancer Awareness, Attitudes, and Barriers among Jordanian Adults: A Cross-sectional Study. *Oral Health Prev Dent* 2022; 20: 85–94.
19. **Al-Qerem W**, Al Bawab AQ, Hammad A, Ling J, Alasmari F. Willingness of the Jordanian population to receive a COVID-19 booster dose: a cross-sectional study. *Vaccines* 2022; 10: 410.



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20. **Al-Qerem W**, Al Bawab AQ, Hammad A, Jaber T, Khdair SI, Kalloush H, Ling J, Mosleh R. Parents' attitudes, knowledge and practice towards vaccinating their children against COVID-19: a cross-sectional study. *Hum Vaccin Immunother* 2022; 1–10.
21. Alqudah MAY, Mukattash TL, Al-Shammari E, Jarab AS, **Al-Qerem W**, Abu-Farha RK. An Audit on Pharmacists' Knowledge and Experience in Pediatric Care. *J Pediatr Pharmacol Ther* 2022; 27: 172–179.
22. **Al-Qerem W**, Hammad A, Alsajri AH, Al-Hishma SW, Ling J, Mosleh R. COVID-19 Vaccination Acceptance and Its Associated Factors Among the Iraqi Population: A Cross Sectional Study. *Patient Prefer Adherence* 2022; 16: 307.
23. Jarab F, **Al-Qerem W**, Jarab AS, Banyhani M. Faculties' Satisfaction With Distance Education During COVID-19 Outbreak in Jordan. *Front Educ* 7 789648 doi 103389/feduc.
24. Jarab AS, **Al-Qerem W**, Mukattash TL. Community pharmacists' willingness and barriers to provide vaccination during COVID-19 pandemic in Jordan. *Hum Vaccin Immunother* 2022; 18: 2016009.
25. **Al-Qerem W**, Jarab AS, Badinjki M, Qarqaz R. Validating a tool to measure quality of life among type 2 diabetics and exploring variables associated with it. *Diabetes Epidemiol Manag* 2022; 5: 100039.
26. Mukattash TL, Jarab AS, **Al-Qerem W**, Abu Farha RK, Itani R, Karout S, Mukattash IL. Coronavirus disease patients' views and experiences of pharmaceutical care services in Lebanon. *Int J Pharm Pract* 2022; 30: 82–85.
27. **Al-Qerem W**, Jarab AS, Qarqaz R, Hayek M Al. Attitudes of a sample of Jordanian young adults toward different available COVID-19 vaccines. *Vacunas* 2022; 23: S56–S63.
28. Alassi A, **Al-Qerem W**, hameed Ali D, Ling J. Iraqi primary care physician's knowledge, attitudes, and practices (KAP) oward anticoagulant therapy in patients with nonvalvular atrial fibrillation: A cross sectional study . *Pharmacogyonline* 2021; 3: 1385–1397.
29. Al Bawab AQ, **Al-Qerem W**, Abusara O, Alkhatib N, Mansour M, Horne R. What Are the Factors Associated with Nonadherence to Medications in Patients with Chronic Diseases? In: *Healthcare*. MDPI, 2021: 1237.



30. **Al-Qerem W**, Jarab AS, Badinjki M, Hyassat D, Qarqaz R. Exploring variables associated with medication non-adherence in patients with type 2 diabetes mellitus. *PLoS One* 2021; 16: e0256666.
31. **Al-Qerem W**. Spirometry reference equations for children from a Middle Eastern population. *Int J Clin Pract* 2021; 75: e14598.
32. Alefishat E, Jarab AS, **Al-Qerem W**, Abu-Zaytoun L. Factors Associated with Medication Non-Adherence in Patients with Dyslipidemia. In: *Healthcare*. MDPI, 2021: 813.
33. Jarab A, **Al-Qerem W**, Mukattash T. Attitudes, barriers, motivators and utilization of clinical research: a cross-sectional survey of hospital pharmacists. *J Pharm Heal Serv Res* 2021; 12: 469–472.
34. Mohamed NAE, **Al Qerem W**, Gassar ES, Hailat M. A Need for Improvement in the Knowledge, Attitudes and Practice Toward Vitamin D Among University Students. *Bahrain Med Bull*; 43.
35. **Al-Qerem W**, Hammad A, Amawi HA, Jarab AS, Ling J. Anxiety and depression among pharmacy students before and during COVID-19 pandemic. *Trop J Pharm Res* 2021; 20: 1039–1047.
36. Khdair SI, **Al-Qerem W**, Jarrar W. Knowledge and attitudes regarding genetic testing among Jordanians: An approach towards genomic medicine. *Saudi J Biol Sci* 2021; 28: 3989–3999.
37. **Al-Qerem WA**, Jarab AS. Applicability of GLI 2012 spirometry equation among preschool aged Jordanian. *Respir Med* 2021; 182: 106397.
38. Mukattash TL, Jarab AS, **Al-Qerem W**, Abu Farha RK, Itani R, Karout S, Mukattash IL, Basheti I. Providing pharmaceutical care during the COVID-19 pandemic: attitudes and experiences of home-treated patients in Jordan. *J Pharm Heal Serv Res* 2021; 12: 321–324.
39. Hammad AM, Hamed R, **Al-Qerem W**, Bandar A, Hall FS. Optimism bias, pessimism bias, magical beliefs, and conspiracy theory beliefs related to COVID-19 among the Jordanian Population. *Am J Trop Med Hyg* 2021; 104: 1661.
40. Jarab AS, **Al-Qerem W**, Mukattash TL. Career choices of Pharmacy and Pharm D undergraduates: attitudes and preferences. *Heliyon* 2021; 7: e06448.
41. **Al-Qerem W**, Hailat MM, Gassar ES, Jarab AS. Development and validation of medication storage and disposal questionnaire. *J Pharm Heal Serv Res* 2021; 12: 262–270.



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42. **Al-Qerem W**, Alassi A, Jarab AS, Ling J. The applicability of the global lung initiative equations and other regional equations on a sample of healthy Middle Eastern adolescents. *Clin Respir J* 2021; 15: 482–490.
43. **Al-Qerem WA**, Jarab AS. COVID-19 vaccination acceptance and its associated factors among a Middle Eastern population. *Front public Heal* 2021; 9: 632914.
44. Jarab AS, Alefishat EA, **Al-Qerem W**, Mukattash TL, Al-Hajjeh DM. Lipid control and its associated factors among patients with dyslipidaemia in Jordan. *Int J Clin Pract* 2021; 75: e14000.
45. Jarab AS, Alefishat EA, **Al-Qerem W**, Mukattash TL, Abu-Zaytoun L. Variables associated with poor health-related quality of life among patients with dyslipidemia in Jordan. *Qual Life Res* 2021; 30: 1417–1424.
46. **Al-Qerem W**, Al-Maayah B, Ling J. Developing and validating the Arabic version of the Diabetes Quality of Life questionnaire. *East Mediterr Heal J* 2021; 27: 426.
47. Jarab AS, **Al-Qerem W**, Mukattash TL, Al-Hajjeh DM. Pharmacy and Pharm. D students' knowledge and information needs about COVID-19. *Int J Clin Pract* 2021; 75: e13696.
48. Hammad AM, **Al-Qerem W**, Alassi A, Hyassat D. Effect of Type 2 Diabetes Mellitus and Diabetic Medication on Pulmonary Function. *Curr Respir Med Rev* 2020; 16: 213–219.
49. Ikhmais B, Hammad AM, **Al-Qerem W**, Abusara OH, Ling J. Conducting COVID-19-related research in Jordan: Are we ready? *Disaster Med Public Health Prep* 2020; 1–8.
50. Al Bawab AQ, Alkhalidi BA, Albarahmieh E, Qassim SMA, Al-Saifi MAD, Al-Saifi B, Ling J, **Al-Qerem W**. Pharmacokinetics and Bioequivalence Estimation of Two Formulations of Alfuzosin Extended-Release Tablets. *Clin Pharmacol Drug Dev* 2020; 9: 780–784.
51. **Al-Qerem W**, Al-Maayah B, Ling J. Validation of the Arabic version of the childhood illness attitudes scales. *East Mediterr Heal J*.
52. **Al-Qerem W**. How applicable are GLI 2012 equations to a sample of Middle Eastern school-age children? *Pediatr Pulmonol* 2020; 55: 986–993.



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53. Mukattash TL, Jarab AS, Gammouh O, **Al-Qerem W**. Readiness to implement pharmaceutical care services in their practice, survey of pharmacy students in Jordan. *J Pharm Sci*.
54. **Al-Qerem W**, Hammad A, AlQirem R, Ling J. THE APPLICABILITY OF GLOBAL LUNG INITIATIVE 2012 ON A MIDDLE EASTERN POPULATION. *Chest* 2019; 155: A382.
55. Basheti IA, Salhi YB, Basheti MM, Hamadi SA, **Al-Qerem W**. Role of the pharmacist in improving inhaler technique and asthma management in rural areas in Jordan. *Clin Pharmacol Adv Appl* 2019; 11: 103.
56. Tarawneh OA, Madi AM, Hamed R, Qirem R, **Al-Qerem W**, Alhusban A, Sunoqrot S, Mahmoud N, Ata S, Alsheikh I. In vitro characterization and evaluation of commercialized paracetamol products in Jordan. *Dissolut Technol* 2019; 26: 36–44.
57. **Al-Qerem W**, Hammad AM, Gassar ES, Al-Qirim RA, Ling J. Spirometry reference equations for an adult Middle Eastern population. *Expert Rev Respir Med* 2019; 13: 489–497.
58. **Al-Qerem W**, Hammad AM, AlQirem RA, Ling J. Do the global lung function initiative reference equations reflect a sample of adult Middle Eastern population? *Clin Respir J* 2019; 13: 429–437.
59. **Al-Qerem W**, Gassar ES, Hammad AM, Al-Qirim RA, Jarrar YB, Ling J, Basheti IA. Assessing the application of the reference lung age equations on the Jordanian population. *Curr Respir Med Rev* 2018; 14: 227–236.
60. **Al-Qerem W**, Gassar ES, Al-Qirim R, Mohamed NAE. The effect of obesity on pulmonary function testing among the Jordanian population. *Curr Respir Med Rev* 2018; 14: 89–94.
61. Jarrar YB, Al-Essa L, Kilani A, Hasan M, **Al-Qerem W**. Alterations in the gene expression of drug and arachidonic acid-metabolizing Cyp450 in the livers of controlled and uncontrolled insulin-dependent diabetic mice. *Diabetes, Metab Syndr Obes targets Ther* 2018; 11: 483.
62. **Al-Qerem W**, Jarrar YB, Al-Sheikh I, ElMaadani A. The prevalence of drug-drug interactions and polypharmacy among elderly patients in Jordan. *mortality* 2018; 15: 16.



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63. **Al-Qerem W**, Ling J. Pulmonary function tests in Egyptian schoolchildren in rural and urban areas. *East Mediterr Heal J* 2018; 24: 325.
64. **Al-Qerem W**, Ling J, AlBawab AQ. Validation of the comprehensive feeding practice questionnaire among school aged children in Jordan: a factor analysis study. *Int J Behav Nutr Phys Act* 2017; 14: 1–8.
65. **Al-Qerem W**, Ling J, Pullen R, McGarry K. Reported prevalence of allergy and asthma in children from urban and rural Egypt. *Air Qual Atmos Heal* 2016; 9: 613–620.
66. **Al Qerem W**, McGarry K, Neshat L, Shamssain M. 259 Effects of Traffic Air Pollution on Respiratory Health and Allergies in Schoolchildren. *Pediatr Res* 2010; 68: 134.