

Curriculum Vitae
Osama Y. Alshogran, B. Pharm., M.Sc., Ph.D.

CONTACT INFO

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PERSONAL

Married, Live in Irbid City

SYNOPSIS OF MY BACKGROUND, RESEARCH INTEREST, AND CAREER OBJECTIVES

Osama Alshogran is an Associate Professor at the Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Science and Technology (JUST). I have started my research career in the field of Clinical Pharmacy when I was a master's student in the Faculty of Pharmacy at JUST, 2008-2010. JUST is currently among the top 600 universities in the world according to the Times Higher Education (THE) World University Ranking. I later joined the School of Pharmacy at University of Pittsburgh for a PhD in Clinical Pharmaceutical Sciences (2010-2014), with a focused interest on the impact of kidney disease on drug metabolism and non-renal elimination pathways. Concurrently, I completed a master-level certificate of Clinical and Translational Research from the School of Medicine at University of Pittsburgh. The University of Pittsburgh is a prestigious academic institution, well-known worldwide, and has an outstanding graduate program. According to THE, the current university ranking of University of Pittsburgh is 144 in the world. It also ranks 42 in the US based on the QS World University Rankings. Then I was offered a one-year post-doctorate fellow position at the Renal Division, School of Medicine, University of Pittsburgh, before joining the Faculty of Pharmacy at JUST as a faculty member in 2015. During my training, I have gained a wide, unique, and valuable experimental and clinical expertise that paved the way of my research career. I have been conducting research in the fields of Clinical and Experimental Pharmaceutical Sciences, Nephrology, Pharmaceutical Care and Health Outcomes, Pharmacokinetics, Pharmacogenetics, Pharmaceutical Analysis, and Interprofessional Collaborative Practice. Overall, the ultimate goal of my research is to improving drug response and patient outcomes. I have received several grants and I maintain a strong record of interdisciplinary and interinstitutional collaborations with scientists in academia and regulatory agencies. These have resulted in publication of about 50 manuscripts including reviews and book chapters in well-impacted, peer-reviewed, international, and indexed biomedical and scientific literature. I serve as a reviewer on various impacted scientific journals, and I have mentored several graduate students. I have received several awards, honors, and recognitions, and I presented several scientific abstracts and talks at national and international conferences. I was appointed at many administrative positions such as Assistant Dean and Clinical Pharmacy Department Chair, and I completed a one-year sabbatical leave to the University of Pittsburgh School of Pharmacy as a Visiting Scientist in 2023. I also chaired several institutional committees at Faculty of Pharmacy and at King Abdullah University Hospital. I have been actively involved in community and national professional services. Lastly, I am passionate about teaching, and I have been teaching many courses for Pharmacy, PharmD, and graduate students in the fields of Therapeutics, Pharmacokinetics, Pharmacology, Drug Information, and Professional Clinical Training. I have also developed several workshops about interprofessional teaching. My philosophy of teaching depends primarily on my belief that every student in the classroom is unique and has individual needs that must be met. I adopt a dynamic philosophy that encompasses critical thinking, active learning, engagement, self-teaching, dignity, and respect among others.

POSITIONS/TITLES

November 2020 – Present	Associate Professor Department of Clinical Pharmacy Faculty of Pharmacy, Jordan University of Science & Technology, Irbid, Jordan
October 2023 – Present	Vice Director, Consultative Center for Science and Technology (CCST) Jordan University of Science & Technology
September 2022 – August 2023	Visiting Professor Department of Pharmaceutical Sciences School of Pharmacy, University of Pittsburgh, Pittsburgh, Pennsylvania, USA
September 2021 – August 2022	Chair of the Department of Clinical Pharmacy Unit of Pharmacy, King Abdullah University Hospital, Irbid, Jordan
September 2019 – September 2021	Chair of the Department of Clinical Pharmacy Faculty of Pharmacy, Jordan University of Science & Technology, Irbid, Jordan
September 2018 – September 2019	Assistant Dean Faculty of Pharmacy, Jordan University of Science & Technology Irbid, Jordan
September 2015 – November 2020	Assistant Professor Department of Clinical Pharmacy Faculty of Pharmacy, Jordan University of Science & Technology, Irbid, Jordan

EDUCATION

September 2010 - December 2014	Doctor of Philosophy (Ph.D.), Clinical Pharmaceutical Sciences Department of Pharmaceutical Sciences, School of Pharmacy, University of Pittsburgh, Pittsburgh, Pennsylvania, USA <i>Thesis advisor: Thomas Nolin, PharmD, PhD, FASN</i>
September 2010 - May 2012	Master-Level Certificate of Clinical and Translational Science for Doctoral Students in the Health Sciences, Institute of Clinical Research Education (ICRE), School of Medicine, University of Pittsburgh, Pittsburgh, PA, USA
September 2008 - June 2010	Masters' of Science M.Sc. (Clinical Pharmacy) Jordan University of Science & Technology (JUST), Irbid, Jordan <i>Thesis advisor: Nizar Mhaidat, PhD</i>
September 2004 - August 2008	Bachelors' of Science B.Sc. (Pharmacy) Jordan University of Science & Technology (JUST), Irbid, Jordan

FELLOWSHIPS & TRAINING

July 2016 – August 2017	Fellowship in the Responsible Conduct of Research (RCR) a combined program of JUST and University of California San Diego (UCSD), California, USA
December 2014 – August 2015	Postdoctoral Associate Renal-Electrolyte Division School of Medicine, University of Pittsburgh, Pittsburgh, PA <i>Mentor: Ora Weisz, PhD</i>

QUALIFICATIONS

December 2013 Certificate of the Foreign Pharmacy Graduate Equivalency Examination (FPGEE), Pittsburgh, PA, USA

APPOINTMENTS & POSITIONS

Second Semester 2017/2018 Visiting Instructor, Faculty of Pharmacy, Jadara University, Irbid, Jordan

Fall Semesters 2013, 2014 Teaching Assistant, School of Pharmacy University of Pittsburgh

November 2008 - June 2010 Community Pharmacist (Retail), Dania New Pharmacy, Ramtha, Jordan

August 2008 - October 2008 Community Pharmacist (Retail), Pharmacy One, Amman, Jordan

PEER REVIEWED PUBLICATIONS

1. Abu Khurmah MH, Alkhatatbeh MJ, **Alshogran OY**. Assessment of osteoporosis knowledge, awareness, and risk factors among premenopausal and postmenopausal women from Jordan: a cross-sectional study. *Arch Osteoporos*. 2023 Sep 19;18(1):121.
2. Al-Shdefat R, Hailat M, **Alshogran OY**, Abu Dayyih W, Gardouh A, Al Meanazel O. Ribociclib Hybrid Lipid-Polymer Nanoparticle Preparation and Characterization for Cancer Treatment. *Polymers (Basel)*. 2023 Jun 28;15(13):2844.
3. Shahane A, Zhao W, Pakalapati N, **Alshogran OY**, Caritis SN, Lim G, Shaik IH, Venkataramanan R. Simultaneous quantitation of ketamine, norketamine and dehydronorketamine in human milk using a novel ultra high-performance liquid chromatography-mass spectrometry (UPLC-MS/MS) assay. *J Pharm Biomed Anal*. 2023 Sep 20;234:115502
4. Mhaidat NM, **Alshogran OY**, Altawalbeh SM, Jaber JM, Banat HA, Ahmad DS, Alabsi W. Patterns of adverse drug reactions in Jordan: a retrospective analysis of the National Pharmacovigilance Data Registry (2015-2021). *Expert Opin Drug Saf*. 2023 Jun 13:1-9.
5. Mhaidat NM, Al-Azzam S, Banat HA, Jaber JM, Araydah M, **Alshogran OY**, Aldeyab MA. Reporting Antimicrobial-Related Adverse Drug Events in Jordan: An Analysis from the VigiBase Database. *Antibiotics (Basel)*. 2023 Mar 21;12(3):624.
6. Albahar F, Abu-Farha RK, **Alshogran OY**, Alhamad H, Curtis CE, Marriott JF. Healthcare Professionals' Perceptions, Barriers, and Facilitators towards Adopting Computerised Clinical Decision Support Systems in Antimicrobial Stewardship in Jordanian Hospitals. *Healthcare (Basel)*. 2023 Mar 13;11(6):836.
7. Altawalbeh SM, Wali LM, **Alshogran OY**, Hammad EA, Tahaine L. Incidence, predictors, clinical outcomes, and economic burden of recurrent acute kidney injury: a retrospective cohort study. *Curr Med Res Opin*. 2023 Feb 2:1-25.
8. **Alshogran OY**, Altawalbeh SM, Almestarihi EM. Acute kidney injury development and impact on clinical and economic outcomes in patients with cirrhosis: an observational cohort study over a 10-year period. *Eur J Gastroenterol Hepatol*. 2023 Jan 31.
9. Altawalbeh SM, **Alshogran OY**, Al-Sawalha NA, Al-Saleem MM. Clinical Outcomes and Direct Medical Expenditures Associated with Intensive Care Unit Admission for Inpatients with COVID-19 in Jordan: A Retrospective Cohort Study. *Value Health Reg Issues*. 2023 Jan;33:76-82
10. **Alshogran OY**, Altawalbeh SM, Khalil AA. Comparison of two self-report scales to assess anxiety and depressive symptoms in hemodialysis patients. *Arch Psychiatr Nurs*. 2022 Dec;41:208-213.
11. **Alshogran OY**, Mahmoud FM, Alkhatatbeh MJ. Predictors of Age at Menopause and Psychiatric Symptoms among Postmenopausal Females in Jordan. *J Psychosom Obstet Gynaecol*. 2022 Dec;43(4):385-392.

12. **Alshogran OY**, Al Tahrawi AY, Nusair SD. Exploring the effects of edaravone in rats with contrast-induced acute kidney injury. *Life Sci.* 2022 Nov 15;309:121006.
13. **Alshogran OY**, Al-Hamdan Z, El-Awaisi A, Alkhalidy H, Saadeh N, Alsqaier H. Development and implementation of interprofessional education activity among health professions students in Jordan: A pilot investigation. *J Interprof Care.* 2022 Oct 20:1-7.
14. **Alshogran OY**, Hajjar MH, Muflih SM, Alzoubi KH. The role of clinical pharmacist in enhancing hemodialysis patients' adherence and clinical outcomes: a randomized-controlled study. *Int J Clin Pharm.* 2022 Oct;44(5):1169-1178.
15. Abuhammad S, Alzoubi KH, Al-Azzam S, **Alshogran OY**, Ikhrewish RE, Amer ZWB, Suliman MM. Stigma toward healthcare providers from patients during COVID-19 era in Jordan. *Public Health Nurs.* 2022 Sep;39(5):926-932.
16. Nusair SD, Zainalabdeen EA, **Alshogran OY**, Alkaraki A. Evaluation of orellanine-induced toxicity from the mushroom *Cortinarius orellanus* and the antagonistic effect of *Petroselinum crispum*. *Toxicol.* 2022 Jul 30;214:1-7.
17. **Alshogran OY**, Al Gharaibeh NF, Al-Azzam SI. Evaluation of the effect of parabens on p-glycoprotein functional expression in rats: a pharmacokinetic study. *Curr Mol Pharmacol.* 2022;15(7):987-995.
18. **Alshogran OY**, Shatnawi EA, Altawalbeh SM, Jarab AS, Farah RI. Medication non-adherence and the achievement of therapeutic goals of anemia therapy among hemodialysis patients in Jordan. *Hosp Pract (1995).* 2022 Feb;50(1):82-88.
19. Al-Shdefat R, Hailat M, **Alshogran OY**. Solubilization of a novel antitumor drug ribociclib in water and ten different organic solvents at different temperatures. *Drug Dev Ind Pharm.* 2022 Jan;48(1):12-20.
20. **Alshogran OY**, Shatnawi E, Altawalbeh SM, Jarab A, Farah R. Predictors of Poor Health-Related Quality of Life among Hemodialysis Patients with Anemia in Jordan. *Health Qual Life Outcomes.* 2021 Dec 24;19(1):272.
21. Muflih S, **Alshogran OY**, Al-Azzam S, Al-Taani G, Khader YS. Physicians' Knowledge and Attitudes Regarding Point-of-Care Pharmacogenetic Testing: A Hospital-Based Cross-Sectional Study. *Pharmgenomics Pers Med.* 2021 Jun 1;14:655-665.
22. **Alshogran OY**, Al-Eitan LN, Altawalbeh SM, Aman HA. Association of DRD4 Exon III and 5-HTTLPR VNTR Genetic Polymorphisms with Psychiatric Symptoms in Hemodialysis Patients. *PLoS One.* 2021 Mar 30;16(3):e0249284. doi: 10.1371/journal.pone.0249284.
23. **Alshogran OY**, Altawalbeh SM, Al-Azzam SI, Karasneh R. Predictors of Covid-19 Case Fatality Rate: An Ecological Study. *Ann Med Surg (Lond).* 2021 May;65:102319.
24. **Alshogran OY**, Nusair SD, El-Elimat T, Alzoubi KH, Obeidat A, Sweidan M. Evaluation of coenzyme Q10 combined with or without N-acetyl cysteine or atorvastatin for preventing contrast-induced kidney injury in diabetic rats. *Naunyn Schmiedebergs Arch Pharmacol.* 2021 Jul;394(7):1403-1410.
25. **Alshogran OY**, Mahmoud FM, Alkhatatbeh MJ. Knowledge and Awareness towards Menopause and Hormone Therapy among Premenopausal Women in Jordan. *Climacteric.* 2021 Apr;24(2):171-178.
26. Jarab F, Jarab AS, Mukattash TL, Nusairat B, **Alshogran OY**. Antibiotic dosing adjustments in patients with declined kidney function at a tertiary hospital in Jordan. *Int J Clin Pract.* 2020 Oct;74(10):e13579.
27. Karasneh R, Al-Azzam S, Altawalbeh SM, **Alshogran OY**, Hawamdeh S. Predictors of symptom burden among hemodialysis patients: a cross-sectional study at 13 hospitals. *Int Urol Nephrol.* 2020 May;52(5):959-967.
28. Al-Sawalha NA, **Alshogran OY**, Awawdeh MS, Almomani BA. The effects of l-Carnosine on

- development of metabolic syndrome in rats. *Life Sci.* 2019 Nov 15;237:116905.
29. Ibrahim MA, **Alshogran OY**, Khabour OF, Alzoubi KH. The Quality of Consent Form Structure in Biomedical Research: A study from Jordan and Sudan. *J Multidiscip Healthc.* 2019 Sep 2;12:727-731.
 30. **Alshogran OY**. Warfarin Dosing and Outcomes in Chronic Kidney Disease: A Closer Look at Warfarin Disposition. *Curr Drug Metab.* 2019;20(8):633-645. Review
 31. Jaradat RW, Lahlouh AB, **Alshogran OY**, Aldabbour BA, Balusha AA. Nosocomial Infections among Patients with Intracranial Hemorrhage: A Retrospective Data Analysis of Predictors and Outcomes. *Clin Neurol Neurosurg.* 2019 Jul;182:158-166.
 32. **Alshogran OY**, Al-Eitan LN, Altawalbeh SM, Khalil AA, Alqudah MAY, Oweis AO, Aman HA, Alhawari HH. Investigating the Contribution of NPSR1, IL-6 and BDNF Polymorphisms to Depressive and Anxiety Symptoms in Hemodialysis Patients. *Prog Neuropsychopharmacol Biol Psychiatry.* 2019 Aug 30;94:109657.
 33. **Alshogran OY**, Zayed AL. A Simple HPLC-MS/MS Method for Quantification of Naltrexone and 6-beta Naltrexol: An Application to Effect of Uremic Toxins on Metabolic Reduction. *J Young Pharm,* 2019; 11(3): 261-265.
 34. Alefan Q, Huwari D, **Alshogran OY**, Jarrah MI. Factors affecting hypertensive patients' compliance with healthy lifestyle. *Patient Prefer Adherence.* 2019 Apr 23;13:577-585.
 35. Abdul-Razzak KK, **Alshogran OY**, Altawalbeh SM, Al-Ghalayini IF, Al-Ghazo MA, Alazab RS, Halalshah OM, Sahawneh FE. Overactive bladder and associated psychological symptoms: A possible link to vitamin D and calcium. *Neurourol Urodyn.* 2019 Apr;38(4):1160-1167.
 36. **Alshogran OY**, Magarbeh LS, Alzoubi KH, Saleh MI, Khabour OF. Evaluation of the impact of waterpipe tobacco smoke exposure on the activity and expression of rat hepatic CYP450: a pharmacokinetic study. *Inhal Toxicol.* 2018 Nov - Dec;30(13-14):519-526
 37. **Alshogran OY**, Alzoubi KH, Khabour OF, Farah S. Patterns of self-medication among medical and nonmedical University students in Jordan. *Risk Manag Healthc Policy.* 2018 Sep 12;11:169-176.
 38. Altawalbeh SM, **Alshogran OY**, Smith KJ. Cost-Utility Analysis of Apixaban versus Warfarin in Atrial Fibrillation Patients with Chronic Kidney Disease. *Value Health.* 2018 Dec;21(12):1365-1372
 39. Alzoubi KH, Ismail ZB, Al-Essa MK, **Alshogran OY**, Abutayeh RF, Abu-Baker N. Pharmacokinetic evaluation of D-ribose after oral and intravenous administration to healthy rabbits. *Clin Pharmacol.* 2018 Jun 12;10:73-78
 40. **Alshogran OY**, Khalil AA, Oweis AO, Altawalbeh SM, Alqudah MAY. Association of brain-derived neurotrophic factor and interleukin-6 serum levels with depressive and anxiety symptoms in hemodialysis patients. *Gen Hosp Psychiatry.* 2018 Apr 24;53:25-31.
 41. **Alshogran OY**, Al-Obaidi EAF, Al-Husein BA, Oweis AO. Evaluation of the Effect of Uremic Serum on Hepatic Reductase Functional Expression. *Drug Metab Lett.* 2018;12(1):75-81
 42. **Alshogran OY**, Al-Delaimy WK. Understanding of International Committee of Medical Journal Editors Authorship Criteria Among Faculty Members of Pharmacy and Other Health Sciences in Jordan. *J Empir Res Hum Res Ethics.* 2018 Jul;13(3):276-284.
 43. **Alshogran OY**. Pharmacogenetics of Aldo-keto Reductase 1C (AKR1C) Enzymes. *Expert Opin Drug Metab Toxicol.* 2017 Oct;13(10):1063-1073. Review
 44. **Alshogran OY**, Nolin TD. Implications of Kidney Disease on Metabolic Reduction. *Curr Drug Metab.* 2016;17(7):663-72. Review.
 45. **Alshogran OY**, Ocque AJ, Leblond FA, Pichette V, Nolin TD. Validation and Application of a Simple UHPLC-MS-MS Method for the Enantiospecific Determination of Warfarin in Human Urine. *J*

Chromatogr Sci. 2016 Apr;54(4):554-60.

46. **Alshogran OY**, Urquhart B, Nolin TD. Downregulation of Hepatic Carbonyl Reductase Type 1 in End-Stage Renal Disease. *Drug Metab Lett.* 2015;9(2):111-8.
47. **Alshogran OY**, Naud J, Ocque AJ, Leblond FA, Pichette V, Nolin TD. Effect of experimental kidney disease on the functional expression of hepatic reductases. *Drug Metab Dispos.* 2015 Jan;43(1):100-6.
48. **Alshogran OY**, Ocque AJ, Zhao J, Day BW, Leblond FA, Pichette V, Nolin TD. Determination of warfarin alcohols by ultra-high performance liquid chromatography-tandem mass spectrometry: Application to in vitro enzyme kinetic studies. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014 Jan 1; 944:63-8.
49. Mhaidat NM, **Alshogran OY**, Khabour O, Alzoubi KH, Matalaka II, Haddadin WJ, Mahasneh IO, Aldaher AN. Multi-drug resistance 1 genetic polymorphism and prediction of chemotherapy response in Hodgkin's Lymphoma. *J Exp Clin Cancer Res.* 2011; 30(1):68.

BOOK CHAPTERS

1. **Alshogran OY**, Almansour M. Impact of Interprofessional Education and Collaborative Practice (IPECP) on Healthcare Outcomes: Evidence and Implications. Book Chapter of: "Novel Health Interprofessional Education and Collaborative Practice Program: Strategy and Implementation". M. Alnaami et al. (eds.), Springer Nature Singapore Pte Ltd. 2023.

PUBLISHED ABSTRACTS

- **O. Alshogran**, F. Mahmoud, M. Alkhatatbeh. Knowledge and Awareness towards Menopause and Hormone Therapy among Premenopausal Women in Jordan. *Int J Clin Pharm.* The 48th ESCP symposium on clinical pharmacy. October 23–25, 2019, Ljubljana (Slovenia).
- **Osama Y. Alshogran**, François A. Leblond, Vincent Pichette, and Thomas D. Nolin. Effect of Experimental Kidney Disease on the Functional Expression of Hepatic Reductases. American Society of Nephrology (ASN) Annual Meeting. November 13-16, 2014. Philadelphia, PA, USA.
- **Osama Y. Alshogran**, Bradley L. Urquhart, and Thomas D. Nolin. Effect of End Stage Renal Disease on the Expression and Function of Hepatic Reductase Drug Metabolizing Enzymes". American Society of Nephrology (ASN) Annual Meeting. November 13-16, 2014. Philadelphia, PA, USA.
- **Osama Alshogran**, Andrew Ocque, Jielu Zhao, Billy Day, Francois Leblond, Vincent Pichette, Thomas Nolin. Effect of Experimental Kidney Failure on Warfarin Reduction in Rats. American College of Clinical Pharmacology (ACCP) Annual Meeting. September 22nd - 24th, 2013. Bethesda, Maryland, USA.

ORAL PRESENTATIONS

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|--------------------|---|
| September 15, 2023 | Title: "Reporting Adverse Drug Reactions in Jordan: A Descriptive Analysis of the National Pharmacovigilance Data Registry". The 16 th Pharmaceutical Conference by Jordan Pharmacists Association. Amman, Jordan. |
| July 26, 2023 | Title: "Perspectives from Jordan about the Implementation of Interprofessional Education". Webinar organized by Interprofessional.Global café. |
| August 4, 2022 | Title: "Interprofessional Education and Collaborative Practice". Interprofessional Education workshop. JUST |
| June 14, 2022 | Title: "Medication Errors". National Pharmacovigilance Program Training Workshop. King Abdullah University Hospital (KAUH), Jordan |
| January 2022 | Title: "Interprofessional Education and Collaborative Practice". Interprofessional Education workshop. JUST |

October 2021	Title: "Gestational Diabetes: Therapeutic Considerations". Obstetrics and Gynecology Department, King Abdullah University Hospital (KAUH), Irbid, Jordan
July 2018	Title: "Understanding of International Committee of Medical Journal Editors (ICMJE) Authorship Criteria among Faculty Members of Health Sciences". The 3 rd International Conference on Ethics in Jordan: Publication and Authorship. JUST. Jordan
February 2018	Title: "Association of BDNF and IL-6 Serum Levels with Depressive and Anxiety Symptoms in Hemodialysis Patients". Dubai International Pharmaceutical & Technology Conference & Exhibition (DUPHAT). Dubai, UAE
August 2017	Title: "Knowledge, views, attitudes and practice towards International Committee of Medical Journal Editors (ICMJE) authorship criteria among faculty members of Health Sciences". The 4 th Conference of the Association of Faculties of Pharmacy at Jordanian Universities and The 2 nd International Conference on Ethics in Jordan: Clinical Trials. JUST. Jordan
October 2016	Title: "A pilot study of the effect of chronic kidney disease on steady-state disposition of Warfarin and Warfarin alcohols". 4 th International Conference on Geriatrics and Gerontological Nursing. London, UK
November 2014	Title: "Characterization of the Effect of CKD on Hepatic Reduction: In-vitro and In-vivo Studies of Warfarin". Dissertation Presentation. School of Pharmacy University of Pittsburgh
March 2014	Title: "Effect of Kidney Disease on the Functional Expression of Hepatic Reductases". Graduate Students Seminar Series. School of Pharmacy University of Pittsburgh
May 2013	Title: "The Effect of Experimental Kidney Failure on Warfarin Reduction in Rats". AAPS Regional Meeting and Research Forum, West Virginia University, Morgantown, WV
February 2013	Title: "The Impact of Kidney Disease on Warfarin Reduction in Rats". Graduate Students Seminar Series. School of Pharmacy University of Pittsburgh
February 2012	Title: "Measurement of Warfarin Enantiomers in Plasma and Urine Using LC-MS/MS". Graduate Students Seminar Series. School of Pharmacy University of Pittsburgh
December 2010	Title: "HPLC Measurement of Caffeine and Paraxanthine for CYP1A2 Phenotyping". Graduate Research Rotation mini presentation. School of Pharmacy University of Pittsburgh

POSTER PRESENTATIONS

1. Title: "Knowledge and Awareness towards Menopause and Hormone Therapy among Premenopausal Women in Jordan". Osama Y. Alshogran, Fatema Mahmoud, Mohammad J. Alkhatatbeh. The 48th ESCP Symposium of Clinical Pharmacy. October 2019. Ljubljana Slovenia.
2. Title: "Investigating the Contribution of NPSR1, IL-6 and BDNF Polymorphisms to Depressive and Anxiety Symptoms in Hemodialysis Patients". Osama Y. Alshogran, Laith Al-Eitan, Shoroq Altawalbeh, Amani Khalil, Mohammad Alqudah, Ashraf Oweis, Hatem A. Aman, Hussein H. Alhawari. FIP Regional Conference. April 2019. Amman. Jordan.
3. Title: "Association of BDNF and IL-6 Serum Levels with Depressive and Anxiety Symptoms in Hemodialysis Patients". Osama Y. Alshogran, Amani A. Khalil, Ashraf O. Oweis, Shoroq M. Altawalbeh, Mohammad A. Y. Alqudah. Dubai International Pharmaceutical & Technology Conference & Exhibition. February 2018. Dubai, UAE
4. Title: "Role of Purinergic Signaling in Regulating Fluid Shear Stress-Stimulated Endocytosis in

- Proximal Tubule Epithelia". Osama Y. Alshogran, Venkatesan Raghavan, Youssef Rbaibi, and Ora A. Weisz. Traffic Symposium. May 2015. Pittsburgh PA
5. Title: "Effect of Experimental Kidney Disease on the Functional Expression of Hepatic Reductases". Osama Y. Alshogran, François A. Leblond, Vincent Pichette, and Thomas D. Nolin. American Society of Nephrology (ASN) Annual Meeting. November 13-16, 2014. Philadelphia, PA, USA.
 6. Title: "Effect of End Stage Renal Disease on the Expression and Function of Hepatic Reductase Drug Metabolizing Enzymes". Osama Y. Alshogran, Bradley L. Urquhart, and Thomas D. Nolin. American Society of Nephrology (ASN) Annual Meeting. November 13-16, 2014. Philadelphia, PA, USA.
 7. Title: "Down-Regulation of Hepatic Reductases in Experimental Kidney Disease". Osama Y. Alshogran, François A. Leblond, Vincent Pichette, and Thomas D. Nolin. 5th AAPS Regional Meeting and Research Forum. November 5th, 2013. Duquesne University, Pittsburgh, PA, USA.
 8. Title: "The Effect of Experimental Kidney Failure on Warfarin Reduction in Rats". Osama Y. Alshogran, Andrew J. Ocque, Jieliu Zhao, Billy W. Day, François A. Leblond, Vincent Pichette, and Thomas D. Nolin. American College of Clinical Pharmacology (ACCP) Annual Meeting. September 22-24, 2013. Bethesda, Maryland, USA.
 9. Title: "The Effect of Experimental Kidney Failure on Warfarin Reduction in Rats". Osama Y. Alshogran, Andrew J. Ocque, Jieliu Zhao, Billy W. Day, François A. Leblond, Vincent Pichette, and Thomas D. Nolin. AAPS Regional Meeting and Research Forum. May 2-3, 2013. West Virginia University, Morgantown, WV, USA.

FUNDED RESEARCH

1. **Osama Alshogran, (PI)**; Aref Zayed (Co-I). The effect of uremic toxins on the activity of hepatic reductase enzymes. Deanship of Research, Jordan University of Science and Technology. Amount: 15,000 JD. Project ID: 97-2016.
2. **Osama Alshogran (PI)**; Belal Alhusein (Co-I); Ashraf Oweis (Co-I); Esra'a Al-Obaidi (graduate student). The effect of uremic serum from patients with kidney disease on metabolic reduction. Deanship of Research, Jordan University of Science and Technology. Amount: 6,440 JD. Project ID: 370-2016.
3. **Osama Alshogran, (PI)**; Kareem Al-zoubi (Co-I); Leen Magarbeh (graduate student). Evaluation of the effect of waterpipe smoking on drug pharmacokinetics in rats. Deanship of Research, Jordan University of Science and Technology. Amount: 6,420 JD. Project ID: 387-2016.
4. **Osama Alshogran, (PI)**; Amani Khalil (Co-I); Ashraf Oweis (Co-I); Mohammad Alqudah (Co-I); Shoroq Altawalbeh (Co-I). Prevalence of anxiety and depression among hemodialysis patients and their associations with 5-HTT, BDNF, NPSR1, and IL-6 gene polymorphisms. Deanship of Research, Jordan University of Science and Technology. Amount: 9,950 JD. Project ID: 16-2017.
5. **Osama Alshogran, (PI)**; Shoroq Altawalbeh (Co-I), Israa Shatnawi (graduate student). Adherence to anemia treatment in dialysis patients and its impact on therapeutic outcomes. Deanship of Research, Jordan University of Science and Technology. Amount: 400 JD. Project ID: 241-2017.
6. Shoroq Altawalbeh, (PI); **Osama Alshogran (Co-I)**. Cost-utility analysis of apixaban versus warfarin in kidney disease patients. Amount: 350 JD. Project ID: 47-2017.
7. Qais Alefan, (PI); **Osama Alshogran (Co-I)**, Dima Hawwary (graduate student). Factors associated with hypertensive patients' compliance with recommended lifestyle behaviors in north of Jordan.
8. **Osama Alshogran, (PI)**; Wael Al-Delaimy (Co-I). Knowledge, Attitude, Views and Practice Towards ICMJE Authorship Criteria among Faculty Members of Health Sciences. This project was funded through the Fogarty International Center of the U.S. National Institutes of Health on behalf of the Research Ethics Program in Jordan, grant # 5R25TW010026-02.
9. **Osama Alshogran, (PI)**; Tamam Al-Elimat (CO-I), Shreen Nusair (Co-I). Evaluation of the Effect of Coenzyme Q10 and its Combination with Atorvastatin/ N-acetyl cysteine on Preventing Contrast-induced Kidney Injury in Diabetic Rats. Amount 8750 JD. Project ID: 453-2018.
10. **Osama Alshogran, (PI)**; Mohammad Alkhatatbeh (Co-I), Fatema Mahmoud (graduate student).

Knowledge and Awareness towards Menopause and Predictors of Age at Menopause among Jordanian Women. Amount 300 JD. Project ID: 751-2018.

11. **Osama Alshogran, (PI)**; Sayer Al-azzam (CO-I), Noor Gharaibeh (graduate student). Evaluation of the Effect of Parabens on P-glycoprotein Activity: A Pharmacokinetic Study. Amount 5800 JD. Project ID: 347-2019.

SCIENTIFIC AND PROFESSIONAL MEETINGS/ WEBINARS (Attendee)

June 2022	Illuminations in Pharmacy Practice, Scientific Day, School of Pharmacy, The Hashemite University, Jordan
March 2022	Advancing Healthcare Systems with Interprofessional Education and Collaboration. International Webinar. University of Sharjah
March 2022	Pharmacovigilance. Jordanian Food and Drug Administration, Amman
July 2021	Attending and presenting at Faculty of Pharmacy at JUST & school of pharmacy and medical sciences at University of Bradford collaborative research workshop (virtual)
June 2021	Virtual webinar entitled "Distance Training in the COVID-19 Era: Community Pharmacies' Training: Challenges and Solutions", JUST
December 2019	Second conference in pharmacy "Towards Advancing Pharmacy Education". Yarmouk University, Irbid, Jordan
January 2019	ASU Pharmacy Fourth International Conference, Applied Science Private University, Amman, Jordan
July 2018	The 3 rd International Conference on Ethics in Jordan: Publications and Authorship. JUST, Jordan
November 2017	First conference in pharmacy "Recent Trends in Pharmacy between Science and Industry". Yarmouk University, Irbid, Jordan
August 2017	The 4 th Conference of the Association of Faculties of Pharmacy at Jordanian Universities and The 2 nd International Conference on Ethics in Jordan: Clinical Trials. JUST, Jordan
April 2017	ASU Pharmacy Third Conference and The Third Conference of the Association of Faculties of Pharmacy at Jordanian Universities, Applied Science Private University, Amman, Jordan
August 2016	The International Conference on Ethics and Biomedical Informatics in Jordan, JUST, Irbid, Jordan
November 2012	Annual American Association of Pharmaceutical Scientists (AAPS) Pittsburgh Chapters Student Research Symposium, Duquesne University, Pittsburgh, PA
October 2011	American College of Clinical Pharmacy (ACCP) Annual Meeting, Pittsburgh, PA
October 2011	Annual American Association of Pharmaceutical Scientists (AAPS), Pittsburgh Chapters Student Research Symposium, Duquesne University, Pittsburgh, PA
October 2010	Annual American Association of Pharmaceutical Scientists (AAPS), Pittsburgh Chapters Student Research Symposium, Duquesne University, Pittsburgh, PA

MODERATOR

November 2019	The 4 th International Conference on Research Ethics in Jordan. JUST, Jordan
January 2019	ASU Pharmacy Fourth International Conference, Applied Science Private University, Amman, Jordan
August 2017	The 4 th Conference of the Association of Faculties of Pharmacy at Jordanian Universities and the 2 nd International Conference on Ethics in Jordan: Clinical Trials. JUST, Jordan

CLERKSHIP TRAINING

September 2009 - January 2010

Clinical experiential training for 4 weeks in each of the following departments:

- Outpatient clinics (dermatology, rheumatology, psychiatry, orthopedics, respiratory, endocrinology and ENT), King Abdullah University hospital (KAUH), Irbid, Jordan.
- Oncology medicine at KAUH & Royal Medical Services (RMS), Irbid-Amman, Jordan.
- Cardiovascular medicine at KAUH & RMS, Irbid-Amman, Jordan.
- Critical care medicine at KAUH & RMS, Irbid-Amman, Jordan.

COURSES TAUGHT AT JUST

1. PHAR 767 Clinical Pharmacokinetics (MS Clinical Pharmacy)
2. PHAR 742 Advanced Therapeutics (MS Clinical Pharmacy)
3. PHAR 743 Current Topics in Clinical Pharmacy (MS Clinical Pharmacy)
4. PHAR 166 Drug Information (BS Pharmacy & PharmD)
5. PHAR 366 Drug Information Resources (BS Pharmacy & PharmD)
6. PHAR 342 Pharmacology 2 (BS Pharmacy & PharmD)
7. PHAR 441 Pharmacology 3 (BS Pharmacy & PharmD)
8. PHAR 402 Community Pharmacy (PharmD)
9. PHAR 517 Drug Literature Evaluation Lab (PharmD)
10. PHAR 541 Therapeutics: Endocrinology & Renal Systems (PharmD)
11. PHAR 544 Therapeutics: Woman & Man Health (PharmD)
12. PHAR 553 Clinical Pharmacokinetics (PharmD)
13. PHAR 560 Therapeutics 3 (BS Pharmacy)
14. PHAR 568 Clinical Seminar (PharmD)
15. PHAR 549 Clinical Cases (BS Pharmacy)
16. PHAR 643 Clinical Training: Internal Medicine (PharmD)
17. PHAR 645 Clinical Training: Surgery (PharmD)
18. PHAR 675 Clinical Training: Pharmaceutical Research (PharmD)
19. PHAR 676 Clinical Training: Disease State Management (PharmD)
20. PHAR 694 Clinical Training: Critical Care (PharmD)

FACULTY & DEPARTMENT & NATIONAL MEMBERSHIP

Faculty of Pharmacy/ JUST committees

- Scientific days and conferences committee (member)
- Clinical pharmacy and pharmacy practice committee (member)
- Clinical training committee (chair)
- Graduate study committee at department (chair)
- Graduate study committee at the faculty (member)
- Department of clinical pharmacy scientific research committee (member)
- Community service committee (member)
- Curriculum committee (member)
- Assessment committee (member)
- Accreditation and quality assurance committee (member)
- Quality assurance committee in the department (chair)
- Courses equivalency committee (chair/member)

- Accreditation council for pharmacy education (ACPE) steering committee (member)
- Faculty of pharmacy council (member: 2019/2020, 2020/2021)
- Final grades review committee (member/ chair)

King Abdullah University Hospital (KAUH) Committees

- Pharmacy and Therapeutic Committee (PTC), member 2021/2022
- Antibiotics Management Committee, Chair 2021/2022
- Medication Management and Use (MMU), member 2021/2022
- Pharmacovigilance center at KAUH, Chair 2021/2022

External Committees

- National Pharmacovigilance Committee, Jordan Food and Drug Administration (JFDA): member 2022 - present
- Arab network of Interprofessional Education and Collaborative Practice (IPECP): member 2022 - present

EDUCATIONAL CERTIFICATION & TRAINING

Sep 2011 - Jan 2012	Certificate for MI210-IS: Essentials of Population PK-PD Modeling & Simulation, Independent Study, METRUM INSTITUTE, Pittsburgh, PA
Jan 2011 - Aug 2011	Certificate for MI205-IS: R for Pharmacometrics, Independent Study, METRUM INSTITUTE, Pittsburgh, PA

PROFESSIONAL SERVICE

May 2023	Member of the abstract reviewing committee for the 11 th International Conference on Interprofessional Education and Collaborative Practice (IPECP), All Together Better Health (ATBH) XI. Qatar, November 2023.
December 2021	Member of audit committee within the Jordanian Accreditation and Quality Assurance Commission for Higher Education Institutions to evaluate the eligibility of pharmacy colleges for quality assurance certificate.
2016 – Present	Reviewer at various respected journals such as: Journal of Pharmaceutical and Biomedical Analysis (JPBA); Current Drug Targets; American Journal of Kidney Disease (AJKD), Frontiers in Pharmacology, PlosOne, Renal Failure, Basic and Clinical Pharmacology and Toxicology, Patient Preference and Adherence, Jordan Journal of Pharmaceutical Sciences (JJPS), Integrated Pharmacy Research and Practice, The Journal of Infection in Developing Countries, Psychology Research and Behavior Management.
9/2011 - 1/2012	Data Extraction. The Extracorporeal Treatments in Poisoning Workgroup. http://www.extrip-workgroup.org/data-extraction
2011 -2014	Consulted review with Dr. Thomas Nolin: Drug Metabolism and Disposition (DMD), British Journal of Clinical Pharmacology (BJCP), Journal of Chromatography B (JCB), Journal of Clinical Pharmacology (JCP), Clinical Pharmacology in Drug Development (CPDD), and others.

HONORS, AWARDS & RECOGNITIONS

August 2022	Certificate of appreciation for organizing the second educational workshop about Interprofessional Education & Collaborative Practice, JUST
June 2022	Certificate of completion of the Global Scholars Achieving Career Success “GSACS”

	professional development program. The GSACS is a collaborative international virtual exchange program of a partnership between City University of New York (CUNY) and MENA region held between July 2021-May 2022. The program is supported by Stevens Initiatives and aims to build global competence and career readiness skills for people in the US and MENA region through virtual exchange.
January 2022	Certificate of appreciation for organizing the first educational workshop about Interprofessional Education & Collaborative Practice, JUST
December 2021	Certificate of appreciation for being a member in the judiciary committee of the third scientific pharmaceutical competition among pharmacy students in Jordan organized by RBCs team
October 2021	Certificate of appreciation for being a member in the pharmacy profession exam committee for pharmacy graduates of non-Jordanian universities held at Jordan Pharmaceutical Association, Amman, Jordan
April 2021	Certificate of appreciation for being a member in the pharmacy profession exam committee for pharmacy graduates of non-Jordanian universities held at Jordan Pharmaceutical Association, Amman, Jordan
November 2020	Acting as a co-investigator in the research entitled “Biodegradable polymeric nanoparticles based on poly (lactic-co-glycolic acid (PLGA)) for anticancer drug delivery applications” which has received funding (68270 JD) from the Scientific Research Funding of the Ministry of Higher Education & Scientific Research/ Jordan.
November 2020	Certificate for attending a webinar course “Medication Adherence” organized by DUPHAT, Dubai, UAE.
November 2019	Certificate of appreciation for being a moderator at The 4 th International Conference on Research Ethics in Jordan. JUST. Jordan
August 2019	Certificate of appreciation for being a member in the pharmacy profession exam committee for pharmacy graduates of non-Jordanian universities held at Jordan Pharmaceutical Association, Amman, Jordan
August 2019	Certificate of appreciation for being a member in the examiners committee of the Objective Structured Clinical Examination (OSCE) for Pharmaceutical Training at Alzarqa University, Jordan.
July 2019	Teaching mobility at Medical University – Sofia – Bulgaria through the Erasmus+ ICM Program
April, 2019	Second Place Poster Presentation. FIP Regional Conference “Envisioning the Future Together: Transforming Pharmacy for Better Primary Health Care”. Amman. Jordan.
July 2018	Certificate of appreciation for speaking at The 3 rd International Conference on Ethics in Jordan: Publication and Authorship. JUST. Jordan
February 2018	Certificate of appreciation for speaking at Dubai International Pharmaceutical & Technology Conference & Exhibition (DUPHAT). Dubai, UAE
2017	Certificate of appreciation for being an active member in the administrative committee of “PharmD Campaign: Toward Optimal Pharmaceutical Care”
October 2016	Certificate of appreciation for speaking at the 4 th International Conference on Geriatrics and Gerontological Nursing. London, UK
November, 2014	American Society of Nephrology (ASN) Kidney STARS Program and a travel award to attend the ASN Annual Meeting (Kidney Week), Philadelphia, PA, USA.
November, 2014	Graduate Student Travel Award (GPC) from School of Pharmacy University of Pittsburgh to attend and present at the ASN Annual Meeting (Kidney Week), Philadelphia, PA, USA.

February 28, 2014 17, 2013	Student Honoree, Honors Convocation, University of Pittsburgh, Pittsburgh, PA June Pharmacodynamic Research Award, Research Retreat, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA
May 3, 2013	First Place Podia Presentation, AAPS Regional Meeting and Research Forum, West Virginia University, Morgantown, WV
February 22, 2013	Student Honoree, Honors Convocation, University of Pittsburgh, Pittsburgh, PA
October 2012	Jordanian Delegate of One Young World Summit, Pittsburgh, PA
April 2012	Jonas Salk Fellowship, Jewish Healthcare Foundation, University of Pittsburgh
2010 - Present	The Academic Excellence Scholarship for Higher Education (PhD), JUST, Irbid, Jordan.
2008 - 2010	Ministry of Higher Education Scholarship for Master's of Clinical Pharmacy, Amman, Jordan.
2004 - 2008	Dean's honor list- College of Pharmacy, JUST, Irbid,
Jordan. 2004 - 2008	President's honor list, JUST, Irbid, Jordan.
2004 - 2008	Ministry of Higher Education Scholarship for Bachelors of Pharmacy, Amman, Jordan.

MASTER STUDENTS: ACADEMIC SUPERVISION & THESIS COMMITTEE

Major Advisor:

1. Aseel Tahrawi: MS Clinical Pharmacy/JUST, June 2022: "Evaluation of the Nephroprotective Effect of Edaravone against Contrast-Induced Acute Kidney Injury in rats".
2. Manar Hajjar: MS Clinical Pharmacy/JUST, February 2022: "The Role of Clinical Pharmacist in Enhancing Hemodialysis Patients' Adherence and Clinical Outcomes: A Randomized-Controlled Study".
3. Noor Gharaibeh: MS Clinical Pharmacy/JUST, February 2021: "Evaluation of the Effect of Parabens on P-glycoprotein Activity: A Pharmacokinetic Study".
4. Isrra Shatnawi: MS Clinical Pharmacy/JUST, July 2019: "Factors Associated with Medication Adherence, Quality of Life, and Outcomes of Anemia Therapy among Hemodialysis Patients in Jordan".
5. Fatima Zaki Mahmoud: MS Clinical Pharmacy/JUST, April 2019: "Knowledge and Awareness towards Menopause and Predictors of Age at Menopause among Jordanian Females".
6. Leen Magarbeh: MS Clinical Pharmacy/JUST, August 2018: "Evaluation of the Effect of Waterpipe Smoking on Drug Pharmacokinetics in Rat".
7. Esra'a Al-obaidi: MS Clinical Pharmacy/JUST, December 2017: "The effect of uremic serum from patients with kidney disease on metabolic reduction".

Co-Advisor:

1. Nahla Sallam: MS Clinical Pharmacy/JUST, September 2023: "Assessment of medication reconciliation among hospitalized patients with chronic kidney disease".
2. Manar Abukhurmah: MS Clinical Pharmacy/JUST, June 2023: "Comprehensive evaluation of osteoporosis risk factors, knowledge, and beliefs among premenopausal and postmenopausal women: a cross sectional study in Jordan"
3. Tasneem Alawneh: MS Clinical Pharmacy/JUST, February 2022: "Knowledge and Attitude of Physicians and Pharmacists Toward Antimicrobial Stewardship Program and the Barriers for its Implementation in Jordan"
4. Lina Wali: MS Clinical Pharmacy/JUST, February 2022: "Incidence, predictors, and outcomes of recurrent acute kidney injury: a retrospective cohort study"
5. Israa Zain Alabdeen: MS Forensic Medicine/ JUST, 2019: "Effect of parsley leaf extract of

Petroselinum crispum in rats poisoned with orellanine from the webcap mushroom Cortinarius orellanus”

6. Dima Hawwary: MS Clinical Pharmacy/JUST, January 2017: “Factors associated with hypertensive patients compliance with recommended life style behavior in north of Jordan”.

Examiner:

1. Tala Al-Gharram: MS Clinical Pharmacy, Faculty of Pharmacy/JUST. June 2022. “Cardiac Effects of Atorvastatin in Rat Model of Streptozotocin-Induced Diabetes”.
2. Saja Alzghoul: MS Pharmaceutical Technology, Faculty of Pharmacy/JUST. January 2022. “The Effect of Acute and Chronic Renal Failure on The Pharmacokinetics of Bexarotene”.
3. Mahmood Salameh: MS Critical Care, Faculty of Nursing, The University of Jordan, August 2021. “Knowledge, attitudes, and practices of genomics among nurses at the critical care units”.
4. Sharefa Al-mutairy: MS Clinical Pharmacy/JUST, December 2019. “Knowledge and awareness of pharmacists and patients about proper use of isotretinoin”.
5. Sajedah Smadi: MS Clinical Pharmacy/JUST, August 2019. “Association of serum levels of vitamin D with risk of cardiovascular and renal dysfunctions among type 2 diabetic patients”.
6. Wahby Babarash: MS Medicinal Chemistry/JUST, July 2018. “A sensitive method for quantification of warfarin and 7-hydroxywarfarin in rat plasma using HPLC-FLD: application to study the effect of piperine on warfarin pharmacokinetics”.
7. Noor Mannon: MS Clinical Pharmacy/JUST, August 2018: “Respiratory tract infections in older adults versus younger adults with chronic asthma: predictors and outcomes”.

MEMBERSHIPS IN SCIENTIFIC AND PROFESSIONAL SOCIETIES

2014	American Society of Nephrology (ASN)
2013	American College of Clinical Pharmacology (ACCP)
2011, 2023	American College of Clinical Pharmacy (ACCP)
2008 - Present	Jordan Pharmacy Association (JPA)

WORKSHOPS, ACTIVITIES & COMMUNITY SERVICES

August 2022	Interprofessional Education (IPE) workshop, JUST, Organizer
June 2022	Organizing a training workshop about the National Pharmacovigilance Program in coordination with the Jordan Food and Drug Administration and the World Health Organization in Jordan
May 2022	Preparation of a brochure about the Clinical Pharmacy Department Services at KAUH
April 2022	Organizing a lecture about “Diabetes and Ramadan” giving by PharmD students to students and public at JUST
January 2022	Interprofessional Education (IPE) workshop, JUST, Organizer
January 2022	Orientation about adverse drug reaction reporting giving to pharmacists at the unit of pharmacy, KAUH
December 2021	Participation in questions for the pharmacy exam of Civil Service Bureau
June 2021	Workshop of “Exams & Assessment”. Academic Development & Quality Assurance Center. JUST, Jordan
February 2021	Workshop of “Statistical Analysis using SPSS”. Academic Development & Quality Assurance Center. JUST, Jordan
January 2021	Workshop of “Critical and Innovative Thinking”. Academic Development & Quality Assurance Center. JUST, Jordan
June 2019	Organizing lecture about Hakeem Academy given at JUST

April 2019	Presenting an orientation lecture for PharmD students about Pharmacy Clinical Training at JUST
April 2019	Coordinator of the pharmacy team who won the first place of the Pharmaceutical Scientific Competition in Jordan
March 2017	Attending the Program Learning Outcomes and Curriculum Mapping workshop, Faculty of Pharmacy, JUST
May 2017	Participated in poster evaluation day for undergraduate students (OTC course), Faculty of pharmacy, JUST
September 2016	Collaborative Institutional Training Initiative (CITI Program)
2016-2017	Active member in the administrative committee of “PharmD Campaign: Toward Optimal Pharmaceutical Care”
2016-2017	Supervising PharmD students in publishing medical essays in Alghad Jordanian newspaper about different diseases such as Epilepsy and Alzheimer
11, 2016 and 2, 2017	Medical days awareness of diabetes and cancer at Arabella Mall, Irbid
2016 & 2017	Free Medical days at multiple Jordanian cities such as Zarqa, Ramtha, Jarash, and Irbid. Role: organizer and coordinator of the medical days, and participation in providing consultation to people attending the event
January 2016	Workshop of "Modern University Instructional Methods". Academic Development and Quality Assurance Center. JUST.
February 2016	Workshop of “Improving Faculty Members Skills in Scientific Research”. Academic Development & Quality Assurance Center. JUST, Jordan
September 2015	E-learning: Open Learning Resources, The Academic Development Center at JUST
September 2014	Teaching Assistance Training Workshop, University of Pittsburgh
November 8, 2013	Workshop of “A Proven Method for Writing Successful Articles & Grants: The Reader Expectation Approach to Writing”. Office of Academic Career Development. University of Pittsburgh
September 2012	Oncology 3D: Drug Discovery & Development Pfizer Workshop, School of Pharmacy University of Pittsburgh
October 2011	Endnote workshop, Falk library, University of Pittsburgh
October 2011, 2012	Attending the Science2011—Next Gen meeting, University of Pittsburgh
August 2008	Patient Counseling workshop, Pharmacy One Training and Drug Information Center, Amman, Jordan
	New Trends in Pharmacy Management, Pharmacy One Training and Drug Information Center, Amman, Jordan
2007	Antibiotic abuse workshop and health awareness campaigns, Faculty of Pharmacy, JUST, Jordan
2006	Editor of “Pharmacy” magazine published by the deanship of Pharmacy, JUST, Jordan.