

Curriculum Vitae

Mohammad J. Alkhatatbeh

Personal Details:



Date of Birth: **27th May 1980.**

Nationality: **Jordanian.**

Address: **Jordan University of Sciences and Technology,
Faculty of Pharmacy,
Department of Clinical Pharmacy,
PO BOX 3030, Irbid, 22110, Jordan.**

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Education:

2009-2013: PhD in Experimental Pharmacology/Clinical Biochemistry, Cancer Research Unit, Faculty of Health, School of Biomedical Sciences & Pharmacy, University of Newcastle, NSW, Australia. Thesis title: ***Biogenesis of plasma CD36⁺ microparticles in human diabetes and the metabolic syndrome.***

2003-2005: MSc in Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Science & Technology, Jordan.

1998-2003: BSc in Pharmacy, Faculty of Pharmacy, University of Jordan, Jordan.

Academic Experience:

Feb 2022: Full Professor of Experimental Pharmacology, Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Sciences and Technology, Jordan.

2019-2023: Vice Dean, Faculty of Pharmacy, Jordan University of Science and Technology, Jordan.

2018-Feb 2022: Associate Professor of Experimental Pharmacology, Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Sciences and Technology, Jordan.

2013-2018: Assistant Professor of Experimental Pharmacology, Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Sciences and Technology, Jordan.

2017-2019: Chairman of Clinical Pharmacy Department, Faculty of Pharmacy, Jordan University of Science and Technology, Jordan.

2014-2017: Assistant Dean of Pharmacy for undergraduate students' affairs, Faculty of Pharmacy, Jordan University of Science and Technology, Jordan.

2011-2012: Casual lecturer, School of Biomedical Sciences & Pharmacy, The University of Newcastle, NSW, Australia.

2006-2009: Full-time lecturer (Clinical Preceptor), Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Sciences and Technology, Jordan.

2005-2006: Part-time lecturer (Clinical Preceptor), Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Sciences and Technology, Jordan.

Teaching courses:

- **PHAR 361:** Clinical Biochemistry (3 credit hours)

Biological and metabolic disturbances related to various disease states and diagnostic procedures that help in evaluating the efficiency of different body organs.

- **PHAR 342:** Pharmacology 2 (3 credit hours)

Pharmacology of drugs acting on the cardiovascular, renal, respiratory and gastrointestinal systems.

- **PHAR 401:** Pharmaceutical Practical Training (3 credit hours)

Training for 8 consecutive weeks in a registered community pharmacy inside Jordan. Training focuses on drug brand names, Pharmacy management and patient counselling.

- **PHMD 402:** Community Pharmacy (for Pharm.D students; 3 credit hours)

Training for 8 consecutive weeks in a registered community pharmacy inside Jordan. Training focuses on drug brand names, Pharmacy management and patient counselling.

- **PHMD 641:** Clinical Training: Hospital Pharmacy (for Pharm.D students; 4 credit hours)

Four experiential training weeks in Hospital Pharmacy. This includes various activities such as training in inpatient and outpatient Hospital Pharmacies. Training focuses on drug brand names, Pharmacy management and patient counselling.

- **PHMD 642:** Clinical Training: Ambulatory Care (for Pharm.D students; 4 credit hours)

Four experiential training weeks in outpatient clinics department. This includes various activities such as attending morning rounds, other clinical rounds, and discussing clinical cases based on daily follow-up and monitoring, and detailed evaluation of the pharmacotherapeutics of their assigned patients in the department. The goal is to improve students' practical clinical skills that would enhance the positive contribution of clinical pharmacists in medical care at the hospital.

- **PHMD 675:** Clinical Training: Clinical Pharmaceutical Research (for Pharm.D students; 4 credit hour)

Four experiential training weeks in clinical pharmaceutical research. The course focuses on the spectrum of clinical research and the research process by reviewing the literature and highlighting epidemiologic methods, study design, proposal and protocol preparation, principals involved in the ethical, legal, and regulatory issues in clinical human subjects research, including the role of IRBs, in addition to an overview of basic bio-statistical and epidemiologic methods involved in conducting clinical research.

- **PHAR 737:** Clinical Pharmacology (For Master students; 3 credit hours)

This course covers the mechanism of action of certain drugs, and their adverse effects profile. Moreover, this course will explain the rational for using certain drugs in clinical practice to treat pathological diseases based on the drugs pharmacodynamic/pharmacokinetic profile. The course will discuss different aspects

dealing with drug monitoring, reasons behind adverse effects development, and common features in clinical toxicology.

PhD student's supervision

Co-advisor (University of Jordan):

- **Sara Alrousan:** Effect of hydration on inflammatory biomarkers, and glycemic and lipemic profiles among a group of obese young Jordanian adults in northern Jordan.

Master student's supervision and theses committees:

Major Advisor (Jordan University of Science and Technology):

- **Maisa Alzghol:** Smoking behaviours, patterns and attitudes among health professionals working at primary health care centers at north of Jordan.
- **Lubna Khasawneh:** Association between serum vitamin D levels and components of the metabolic syndrome among type- 2 diabetic patients.
- **Noor Amarah:** Concentration level of vitamin D and its relationship with noncardiac chest pain.
- **Nidaa Abdalgader:** Awareness of hypoglycaemic symptoms in insulin-treated diabetic patients.
- **Sajedah Alsmadi:** Association of serum levels of vitamin D with risk of cardiovascular and renal dysfunctions among type 2 diabetic patients.
- **Haneen Almomani:** Vitamin D, psychological symptoms and bronchial asthma: is there a link?
- **Hala Khwaileh:** Association of serum vitamin D levels with insomnia and anxiety in adults.
- **Manar Abu Khurma:** A comprehensive evaluation of osteoporosis risk factors, knowledge, and beliefs among premenopausal and postmenopausal women: a cross sectional study in Jordan.
- **Ebaa Arar:** Assessment of cardiovascular and metabolic risk factors among young obese adults in Jordan.

Co-advisor (Jordan University of Science and Technology):

- **Aseel Rataan:** The effect of Simvastatin on Temozolomide induced apoptosis in colorectal cancer.
- **Raghad Bsoul:** Short-term versus long-term effect of water-pipe smoking exposure on cardiovascular biological markers in mice.
- **Noor Salah Issa:** Assessment of core elements of antimicrobial stewardship program in Jordanian hospitals.
- **Fahmi Al-Ashwal:** Evaluating the potential protective effect of vitamin E on oxaliplatin-induced genotoxicity in human cultured lymphocyte.
- **Abeer Khashan:** Knowledge, perception and practice of pharmacovigilance among community pharmacists in Jordan.
- **Fatema Mahmoud:** Knowledge and awareness towards menopause and predictors of age at menopause among Jordanian females.
- **Shireen Andraws:** Self-medication with antibiotics in children in Jordan.
- **Zainab Hmoud:** Bruxism: A possible link to vitamin D and calcium.

Internal examiner (Jordan University of Science & Technology):

- **Ruwidah Bonyan:** Evaluation of the role of Spironolactone on myocardial oxidative stress in rat model of Streptozotocin-induced diabetes.
- **Mais Mahasneh:** The effect of Simvastatin on TRAIL-induced apoptosis in colorectal cancer cells.
- **Baraah Alrababah:** Evaluation of the antiproliferative effect of Amlodipine on colorectal cancer cells.
- **Suzan Qawqzeh:** Potassium 3-beta-hydroxy-20-oxopregn-5-en-17-alphay-yl sulphate (PHOZ), a promising potent inhibitor of glucose regulated protein 78-KDA (GRP78).
- **Wa'ed Bataineh:** Evaluation of the use and clinical indications of ACEIs or receptor antagonists in diabetic patients in the North of Jordan.
- **Omar Yacoub:** Evaluating the protective effect of Tempol on memory and cognitive impairment induced by post-traumatic stress disorder.
- **Dema Hatamleh:** Colorectal cancer early warning signs and risk factors awareness among undergraduate students in Jordanian universities.
- **Hebah Mansour:** Effect of simvastatin on irinotecan-induced apoptosis in prostate cancer.
- **Duha Baydoun:** Impact of statin use on vascular oxidative stress in patients with hyperlipidaemia.
- **Haneen Aljamal:** Evaluation of the relationship between white bread consumption, overweight, obesity, and metabolic syndrome in Jordan.
- **Sarah Jaradat:** Correlation of glycemic status with anthropometric measurements and tumor characteristics in breast cancer patients.
- **Ahmad Alsaheb:** Oxidative stress, inflammation and fibrosis in hyperthyroid rats.
- **Adel Al Bochi:** Competencies in the treatment of common infectious diseases: A study of community pharmacy in Jordan.

External examiner (University of Jordan):

- **Islam Berdaweel:** Biguanides: determinants of their beneficial role in estrogen receptor - positive breast carcinoma growth inhibition. (University of Jordan).

Research interests and experience:

- Investigation of cardiovascular and metabolic risk factors in relation to obesity and insulin resistance.
- Investigation of osteoporosis risk factors among premenopausal and postmenopausal women.
- Investigation of serum vitamin D level and dietary calcium intake in relation to anxiety, insomnia, and poor sleep quality.
- Investigation of serum vitamin D level in relation to anxiety and non-cardiac chest pain.
- Investigation of serum vitamin D status in relation to some disease conditions that manifest with musculoskeletal symptoms.
- Investigation of vitamin D status in correlation with cardiovascular risk in patients with metabolic syndrome.

- Investigation of serum vitamin D level in relation to anxiety and bronchial asthma.
- Investigating awareness of hypoglycaemic symptoms in insulin-treated diabetic patients.
- Plasma microparticles (MPs) and their role in insulin resistance, diabetes and the metabolic syndrome.
- Self-medication practices among Jordanian population.
- Prevalence of smoking among Jordanian population.
- Use of unnecessary proton pump inhibitors among Jordanian population.
- Investigating of circulating adipokines and their association with adiposity in patients with malignancies.
- Investigating the effect of antirheumatic drug underutilization on rheumatoid arthritis disease activity.
- Role of plasma microparticles (MPs) in intercellular communication.
- Use of circulating CD36 as a disease biomarker especially in patients with insulin resistance, diabetes and the metabolic syndrome.
- Development of an in vitro model of non-alcoholic fatty liver disease to study the effect of certain medications on hepatic liver accumulation.

Publications (Research articles):

1. Abdul-Razzak K, Alshdaifat E, Sindiani A, **Alkhatatbeh M**. Severity of premenstrual symptoms among women with musculoskeletal pain: relation to vitamin D, calcium, and psychological symptoms. *J Med Life*. 2024 Apr;17(4):397-405. doi: 10.25122/jml-2023-0050. PMID: 39071517; PMCID: PMC11282902.
2. Khurmah MHA, **Alkhatatbeh MJ**, Alshogran OY, Alarda HM. Prevalence and risk factors of osteopenia and osteoporosis among postmenopausal women: A cross-sectional study from Jordan. *Public Health Nurs*. 2024 Sep-Oct;41(5):996-1005. doi: 10.1111/phn.13379. Epub 2024 Jul 22. PMID: 39037197.
3. Jarab AS, Al-Qerem W, Alzoubi KH, Alqudah S, Abu Heshmeh SR, Mukattash T, Al-Azzam S, Naser YA, **Alkhatatbeh M**. Prevalence of proteinuria and its associated factors in hypertensive diabetic patients. *Eur Rev Med Pharmacol Sci*. 2024 Jan;28(1):155-162. doi: 0.26355/eurrev_202401_34901. PMID: 38235867.
4. 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. doi: 10.1007/s11657-023-01332-9. PMID: 37723412.
5. **Mohammad J. Alkhatatbeh**, Hala N Khwaileh and Khalid K Abdul-Razzak. Insomnia is not associated with vitamin D deficiency but is associated with abnormal anxiety and depression scores in university students from Jordan. *SL Nutrition and Metabolism*. 2022; 4(1):127
6. Amer M Sindiani, **Mohammad J. Alkhatatbeh**, Khalid K. Abdul-Razzak. Hot Flashes in Adolescence and Young Adult Females: a Link to Vitamin D and Calcium. *Medical Archives*. 2022 JUN; 76(3): 202-208.

7. Alshogran OY, Mahmoud FM, **Alkhatatbeh MJ**. Predictors of age at menopause and psychiatric symptoms among postmenopausal females in Jordan. *J Psychosom Obstet Gynaecol*. 2021 Oct 4;1-8.
8. Khalid K Abdul-Razzak, Mohammad J **Alkhatatbeh**. Nightmares and bad dreams among individuals with musculoskeletal pain: a link to vitamin D and calcium. *Res Psychother*. 2021 Aug 24;24(2):533.
9. Mohammad **Alkhatatbeh**, Haneen Almomani, Khalid Abdul-Razzak, and Shaher Samrah. Association of asthma with low serum vitamin D and its related musculoskeletal and psychological symptoms in adults: a case-control study. *npj Primary Care Respiratory Medicine*. 2021 April; 31, 27.
10. **Alkhatatbeh MJ**, Hmoud ZL, Abdul-Razzak KK, Alem EM. Self-reported sleep bruxism is associated with vitamin D deficiency and low dietary calcium intake: a case-control study. *BMC Oral Health*. 2021 Jan 7;21(1):21.
11. Alshogran OY, Mahmoud FM, **Alkhatatbeh MJ**. Knowledge and awareness toward menopause and hormone therapy among premenopausal women in Jordan. *Climacteric*. 2021 Apr;24(2):171-178.
12. **Alkhatatbeh MJ**, Khwaileh HN, Abdul-Razzak KK. High prevalence of low dairy calcium intake and association with insomnia, anxiety, depression and musculoskeletal pain in university students from Jordan. *Public Health Nutr*. 2020 Aug; 24 (7): 1778-1786.
13. **Alkhatatbeh MJ**, Abdul-Razzak KK, Khwaileh HN. Poor sleep quality among young adults: The role of anxiety, depression, musculoskeletal pain, and low dietary calcium intake. *Perspect Psychiatr Care*. 2021 Jan;57(1):117-128.
14. **Alkhatatbeh MJ**, Smadi SA, Abdul-Razzak KK, Saadeh NA. High Prevalence of Vitamin D Deficiency and Correlation with Cystatin-C and Other Cardiovascular and Renal Risk Biomarkers in Patients with Type 2 Diabetes Mellitus Complicated with Hypertension. *Curr Diabetes Rev*. 2021;17(1):81-90.
15. Mukattash TL, **Alkhatatbeh MJ**, Andrawos S, Jarab AS, AbuFarha RK, Nusair MB. Parental self-medication of antibiotics for children in Jordan. *J Pharm Health Serv Res*. 2020;11:75-80
16. **Alkhatatbeh MJ**, Abdalqader NA, Alqudah MAY. Impaired awareness of hypoglycemia in children and adolescents with type 1 diabetes mellitus in north of Jordan. *BMC Endocr Disord*. 2019 Oct 24;19(1):107.
17. **Alkhatatbeh M**, Abdul-Razzak KK. Neuropathic pain is not associated with serum vitamin D but is associated with female gender in patients with type 2 diabetes mellitus. *BMJ open diabetes research & care* 2019;7(1):e000690
18. Rababa'h AM, Bsoul RW, **Alkhatatbeh MJ**, Alzoubi KH, Khabour OF. Waterpipe tobacco smoke distresses cardiovascular biomarkers in mice: alterations in protein expression of metalloproteinases, endothelin and myeloperoxidase. *Inhal Toxicol*. 2019 Feb;31(3):99-106.
19. **Alkhatatbeh MJ**, Amara NA, Abdul-Razzak KK. Association of 25-hydroxyvitamin D with HDL-cholesterol and other cardiovascular risk

- biomarkers in subjects with non-cardiac chest pain. *Lipids in health and disease* 2019;18(1):27
20. Nusair SD, Almasaleekh MJ, Abder-Rahman H, **Alkhatatbeh MJ**. Environmental exposure of humans to bromide in the Dead Sea area: Measurement of genotoxicity and apoptosis biomarkers. *Mutat Res.* 2019 Jan; 837:34-41.
 21. **Alkhatatbeh MJ** and Abdul-Razzak KK. Association between serum 25-hydroxyvitamin D, hemoglobin A1c and fasting blood glucose levels in adults with diabetes mellitus. *Biomed Rep.* 2018 Oct; 9 (6): 523-530.
 22. **Alkhatatbeh MJ**, Abdul-Razzak KK, Amara NA and Al-Jarrah M. Non-cardiac Chest Pain and Anxiety: A Possible Link to Vitamin D and Calcium. *J Clin Psychol Med Settings.* 2019 Jun;26(2):194-199.
 23. **Alkhatatbeh MJ**, Abdalqader NA and Alqudah MAY. Impaired Awareness of Hypoglycaemia in Insulin-treated Type 2 Diabetes Mellitus. *Curr Diabetes Rev.* 2019; 15(5):407-413.
 24. **Alkhatatbeh MJ**, Abdul-Razzak KK, Khasawneh LQ and Saadeh NA. Prevalence of musculoskeletal pain in association with serum 25-hydroxyvitamin D concentrations in patients with type 2 diabetes mellitus. *Biomed Rep.* 2018 Jun; 8 (6): 571-577.
 25. **Alkhatatbeh MJ**, Enjeti AK, Baqar S, Ekinici EI, Liu D, Thorne RF and Lincz LF. Strategies for enumeration of circulating microvesicles on a conventional flow cytometer: Counting beads and scatter parameters. *J Circ Biomark.* 2018 Apr 5; 7: 1849454418766966.
 26. Mera Ababneh, Noor Issa, and **Mohammad Alkhatatbeh**. Evaluation of core elements of antimicrobial stewardship programs in Jordanian hospitals. *Jordan Journal of Pharmaceutical Sciences.* 2017; 10 (2): 127-134.
 27. Alqudah MAY, Al-Ashwal FY, Alzoubi KH, **Alkhatatbeh M**, Khabour O. Vitamin E protects human lymphocytes from genotoxicity induced by oxaliplatin. *Drug Chem Toxicol.* 2018 Jul;41(3):281-286.
 28. **Alkhatatbeh MJ**, Abdul-Razzak KK, Khasawneh LQ, Saadeh NA. High Prevalence of Vitamin D Deficiency and Correlation of Serum Vitamin D with Cardiovascular Risk in Patients with Metabolic Syndrome. *Metab Syndr Relat Disord.* 2017; 15 (5): 213-219.
 29. Ayoub N, **Alkhatatbeh M**, Jibreel M, Ababneh M. Analysis of circulating adipokines in patients newly diagnosed with solid cancer: Associations with measures of adiposity and tumor characteristics. *Oncol Lett.* 2017; 13 (3):1974-1982.
 30. **Alkhatatbeh MJ**, Alefan Q, Alzghool M. Smoking prevalence, knowledge and attitudes among primary healthcare professionals: a study from Jordan. *East Mediterr Health J.* 2017; 1; 22 (12): 872-879.
 31. Alqudah MAY, Al-Azzam S, Alzoubi K, **Alkhatatbeh M**, Alawneh K, Alazzeah O, Ababneh B. Effects of antirheumatic drug underutilization on rheumatoid arthritis disease activity. *Inflammopharmacology.* 2017 Aug;25(4):431-438.

32. **Alkhatatbeh MJ**, Lincz LF, Thorne RF. Bio-maleimide-stained plasma microparticles can be purified in a native state and target human proximal tubular HK2 cells. *Biomed Rep.* 2017 Jan;6(1):63-68.
33. **Alkhatatbeh MJ**, Alefan Q, Alqudah MA. High prevalence of self-medication practices among medical and pharmacy students: a study from Jordan. *Int J Clin Pharmacol Ther.* 2016 May;54(5):390-8.
34. Phang M, Thorne RF, **Alkhatatbeh MJ**, Garg ML, Lincz LF. Circulating CD36+ microparticles are not altered by docosahexaenoic or eicosapentaenoic acid supplementation. *Nutr Metab Cardiovasc Dis.* 2016; 26(3):254-60.
35. **Alkhatatbeh MJ**, Lincz LF, Thorne RF. Low simvastatin concentrations reduce oleic acid-induced steatosis in HepG2 cells: An in vitro model of non-alcoholic fatty liver disease. *Exp Ther Med.* 2016; 11(4):1487-1492.
36. **Alkhatatbeh MJ**, Ayoub NM, Mhaidat NM, Saadeh NA, Lincz LF. Soluble cluster of differentiation 36 concentrations are not associated with cardiovascular risk factors in middle-aged subjects. *Biomed Rep.* 2016; 4(5):642-648.
37. Alqudah MA, Al-Azzam S, Alzoubi K, **Alkhatatbeh M**, Rawashdeh N. Overuse of proton pump inhibitors for stress ulcer prophylaxis in Jordan. *Int J Clin Pharmacol Ther.* 2016; 54(8):597-602.
38. **Alkhatatbeh MJ**, Enjeti AK, Acharya S, Thorne RF, Lincz LF. The origin of circulating CD36 in type 2 diabetes. *Nutr Diabetes.* 2013; 3: e59.
39. **Alkhatatbeh MJ**, Mhaidat NM, Enjeti AK, Lincz LF, Thorne RF. The putative diabetic plasma marker, soluble CD36, is non-cleaved, non-soluble and entirely associated with microparticles. *J Thromb Haemost.* 2011; 9 (4): 844-51.

Conference Presentations:

1. **Mohammad J. Alkhatatbeh**, Nedaa A. Abdelqader and Mohammad A. Alqudah. Impaired awareness of hypoglycemia in Type 1 Diabetic children and adolescents from North of Jordan. FIP Regional Conference, Amman, Jordan, 25-26 April 2019.
2. **Mohammad J. Alkhatatbeh**, Nedaa A. Abdelqader and Mohammad A. Alqudah. Assessment of hypoglycemic symptoms in insulin-treated adults with diabetes mellitus. International Diabetes Federation (IDF) congress, Abu Dhabi, UAE, 4-8 December 2017.
3. **Alkhatatbeh MJ**, Ayoub NM, Mhaidat NM, Saadeh NA, Lincz LF. Soluble cluster of differentiation 36 concentrations are not associated with cardiovascular risk factors in middle-aged subjects. The 16th World Cardiology Congress. Dubai, UAE, 8-10 December 2016.
4. Lisa F Lincz, **Mohammad Alkhatatbeh**, Sara Baqar, Elif Ekinci, Dorothy Liu, Anoop K Enjeti. Strategies for Enumeration of Circulating Microvesicles by Flow Cytometry: Forward vs. Side Scatter. The 2016 HAA Annual Scientific Meeting. Melbourne, Australia, 13-16 November 2016.
5. **Mohammad Alkhatatbeh**. Simvastatin reduces oleic acid-induced steatosis in hepG2 cells: in vitro model of non-alcoholic fatty liver disease. The 1st

- International Conference of the Jordanian Faculties of Pharmacy "JFP". Amman, Jordan, 28-29 October 2015.
6. **Alkhatatbeh**, M, Enjeti , A, Acharya, S, Thorne, R, and Lincz, L. The L. The Origin of the Diabetic Biomarker ‘ CD36⁺Microparticles’ in Type 2 Diabetes. 2nd Biomarker Discovery Conference, Shoal Bay 2nd Biomarker Discovery Conference, Shoal Bay Resort and Spa, NSW, Australia, 3-6 December 2012.
 7. **Alkhatatbeh**, N.M. Mhaidat, A.K. Enjeti, L.F. Lincz, R.F. The putative diabetic plasma marker, soluble CD36, is non-cleaved, non-soluble and entirely associated with microparticles. World Diabetes Congress, Dubai, UAE, 4-8 December 2011.
 8. **Mohammad Alkhatatbeh**, Lisa Lincz, Rick Thorne In vitro Modeling of Microparticle Production Occurring in Diabetic Nephropathy. HAA-ISHAPD joint scientific meeting of Australian Haematological Societies, Sydney, 30 October – 2 November 2011 (Awarded best poster for ASTH Meeting).

Committee Memberships at Jordan University of Science and Technology:

1. Director of Academic Member Guidance Committee (2023/2024).
2. Member, Faculty Council, Faculty of Pharmacy (2017/2018), (2018/2019), (2019/2020), (2020/2021), and (2021/2022).
3. Member, Higher Education Committee, Faculty of Pharmacy (2017/2018), (2018/2019), (2019/2020), (2020/2021), (2021/2022), (2022/2023) and (2023/2024).
4. Member, the Accreditation and Quality Control Committee, Faculty of Pharmacy (2013/2014), (2016/2017), (2017/2018), (2018/2019), (2019/2020), and (2020/2021).
5. Director, Curriculum and Study Plan Committee, Faculty of Pharmacy, (2015/2016), (2016/2017) and (2017/2018).
6. Member, Curriculum and Study Plan Committee, Faculty of Pharmacy (2014/2015), (2018/2019), (2019/2020), (2020/2021), (2021/2022), (2022/2023), and (2023/2024).
7. Director, Community Pharmacy Training Organizing Committee, Faculty of Pharmacy (2016/2017).
8. Member, Community Pharmacy Training Committee, Faculty of Pharmacy (2014/2015).
9. Director, Course Equivalency Committee, Faculty of Pharmacy (2014/2015).
10. Member, Course Equivalency Committee, Faculty of Pharmacy (2015/2016), (2016/2017), (2017/2018), (2018/2019), and (2019/2020).
11. Member, Continuous Education Committee, Faculty of Pharmacy (2013/2014).
12. Member, Student Conduct Committee, Faculty of Pharmacy (2014/2015).
13. Member, Faculty Bulletin and Web Site Committee, Faculty of Pharmacy (2014/2015).
14. Member, the Accreditation, Quality Control and Preparing for Applying to Accreditation Council for Pharmacy Education (ACPE) Committee (2016/2017).

Academic development workshops:

1. A 12-contact-hour training course entitled “Writing Skills” held on 23rd of April 2021.
2. A 12-contact-hour training course entitled “Scientific Research: Methods and Procedures” held on 9th of October 2020.
3. A 12-contact-hour training course entitled “Contemporary Teaching Methods” held on 28th of June 2018.
4. A 12-contact-hour training course entitled “Online Learning Design” held on 27th of March 2018.
5. A 12-contact-hour training course entitled “Development of Curriculum & Study plans” held on 18th of January 2017.
6. A 12-contact-hour training course entitled “E-Learning: Open Education Resources” held on 15th of December 2015.
7. A 12-contact-hour training course entitled “Statistical Package for Social Sciences” held on 20th of August 2014.
8. A 12-contact-hour training course entitled “Modern University Instructional Methods” held on 17th of September 2013.

Community service:

1. Member of the local community health committee of Prince Hassan Comprehensive Health Center at Kufranjah city.
2. Participated in organizing a workshop entitled ‘Pilot Training Activity: Biological and Chemical Waste Management’ in cooperation with the Royal Scientific Society. The workshop was held in the Faculty of Pharmacy, Jordan University of Science and Technology in October 2019.
3. Attended the second conference of Faculty of Pharmacy entitled ‘Toward Advancing Pharmacy Education’ held in Yarmouk University in Dec 2019.
4. Participated in the annual fund raising sport activities that were organised by the Faculty of Pharmacy members between 2014 and 2020 to support poor students at Jordan University of Science and Technology.
5. Participated in a free medical day at Alhashemiah Secondary School/Ajlun in November 2019; within the campaign of "Doctor of Pharmacy towards the optimal pharmaceutical care".
6. Participated in the activity "The Pharmaceutical Day" at Jordan University of Science and Technology in November 2016. The activity was organised to increase the awareness about community inappropriate drug utilization and how to use available medical electronic sources.
7. Participated in a free medical day at King Abdullah Gardens/ Irbid in April 2016; within the campaign of "Doctor of Pharmacy towards the optimal pharmaceutical care".