

CURRICULUM VITAE

1. PERSONAL DATA

Name: Deema Jaber Hussein Suleiman

Associate Professor in Clinical Pharmacy

Email: dsuleiman@zu.edu.jo, jaber.deema@gmail.com

2. ACADEMIC/PROFESSIONAL PARTICULARS

(a) Academic Qualifications

1. Degree: PhD (01/05/2017)
University: University of Jordan
Country: Jordan
Dissertation Title: Efficacy and safety of using Dakin's solution for the management of diabetic foot infections: a randomized controlled trial
GPA: Excellent (3.77 / 4.00).
2. UpToDate certified Trainer-UpToDate Wolters Kluwer, 23rd November 2017
3. American College of Clinical Pharmacy (ACCP)-The Board of Pharmacy Specialties (BPS) in pharmacotherapy, 2012
4. Degree: Master in clinical pharmacy (09/2009)
University: University of Jordan
Dissertation Title: Physicians' knowledge, attitude and practices regarding management of medications in Ramadan.
GPA: Excellent (3.71 / 4.00).

3. CAREER DETAILS

Academic Positions Held

- Head of the Biopharmaceutics and Clinical Pharmacy Department, School of Pharmacy, Zarqa University, Jordan, Period (Sept/2018 – Jun/2019)

- Associate Professor, Clinical Pharmacy Department, School of Pharmacy, Zarqa University, Jordan, Period (June 2024-till now)

-Assistant Professor, Clinical Pharmacy Department, School of Pharmacy, Zarqa University, Jordan, Period (Sept/2017 – June 2024)



- Full time Instructor, Biopharmaceutics & Clinical Pharmacy Department, School of Pharmacy, University of Jordan, Jordan, Period (Oct/2010- Sept/2017)

4. Teaching

(a) Summary of Courses Taught

- Pharmacotherapeutic I, II, III (All Systems)
- Pathophysiology (General and specific systems)
- Case studies in pharmacotherapy I, II, III, and IV
 - a) Pharmacotherapy I (Cardiology and Endocrine systems)
 - b) Pharmacotherapy II (Respiratory, Renal, Infectious and Rheumatology systems)
 - c) Pharmacotherapy III (Gastroenterology, Oncology and Psychiatry Systems)
 - d) Pharmacotherapy IV (Critical care, Pain management, Anemia)
- Pharmacology II and III
 - a) Antimicrobials
 - b) Antidiabetic agents
 - c) Chemotherapy for cancer
 - d) Asthma and COPD therapy
- Pharmaceutical care, Parapharmaceuticals and pharmacy practice
- Hospital students' clinical training for 2nd year clinical master students (Nephrology team)
- Hospital students' clinical training for 6th year PharmD students:
 - a) Medicine (cardiology, nephrology, endocrinology, neurology, rheumatology, GI and Infectious diseases)
 - b) Pediatrics
 - c) Surgery
 - d) Outpatient ambulatory care.
- Clinical Pharmacy Practice for 5th year Pharmacy and PharmD students (Medicine and ambulatory care)
- Pharmacology II and III (Antimicrobials, Antidiabetic agents, Chemotherapy for cancer, Asthma and COPD therapy)
- Clinical Biochemistry
- OTC
- Parapharmaceuticals

(b) Participation in Academic Accreditation

Yes; Participation in most of the college committees in order to get the local Jordanian accreditation.

(c) Research Students Supervised/Trained

- 1) Master Students (7)
- 2) Undergraduate Students (10)

5. RESEARCH

(a) Research Interests

- 1) Halal Pharmaceuticals and cosmetics
- 2) Pharmacy Practice and Clinical Pharmacy (knowledge, attitude, opinion, and practice).
- 3) Pharmaceutical care and role of clinical pharmacist survey
- 4) Pharmaceutical care and role in managing medications related problems for diabetic and chronic kidney disease patients.
- 5) Assessment of treatment related problems in the medicine and surgery settings, women health and pharmacy education.
- 6) Evidence based medicine
- 7) Education research
- 8) Drug abuse and misuse practice.
- 9) Infectious diseases such as diabetic foot infections.
- 10) Clinical Microbiology and Antimicrobial Stewardship
- 11) Molecular (PCR-methods) analysis and FTIR analysis.

(b) Publications

1. The role of clinical pharmacist in the management of resistant hypertension. AM Alfarahed, AM Albsoul-Younes, **D Jaber**, HE Hasan. Irish Journal of Medical Science (1971-), 1-9
2. The impact of artificial intelligence on the knowledge, attitude, and practice of pharmacists across diverse settings: A cross-sectional study, **D Jaber**, HE Hasan, R Abutaima, HM Sawan, S Al Tabbah, International Journal of Medical Informatics 192, 105656, 2024.
3. Long-term complications of COVID-19 in Jordan: A study on persisting symptoms and management, **D Jaber**, A Alhusban, Clinical Epidemiology and Global Health 28, 101627, 2024, Ethical considerations and concerns in the implementation of AI in pharmacy practice: a cross-sectional study, HE Hasan, D Jaber, OF Khabour, KH Alzoubi, BMC Medical Ethics 25 (1), 55, 2024.
4. Assessment of the Knowledge, Attitude, and Perception of Healthcare Providers Regarding Halal Pharmaceuticals, **D Jaber**, HE Hasan, A Alkaderi, AZ Alkilani, AR El-Sharif. The Open Public Health Journal 17 (1), 2024.
5. Knowledge, attitude and practice among pharmacy students and faculty members towards artificial intelligence in pharmacy practice: A multinational cross-sectional study, HE

- Hasan, **D Jaber**, S Al Tabbah, N Lawand, HA Habib, NM Farahat. Plos one 19 (3), e0296884, 2024.
6. Studying Microbial Ecology of Diabetic Foot Infections: Significance of PCR Analysis for Prudent Antimicrobial Stewardship, **D Jaber**, N Younes, E Khalil, A Albsoul-Younes, M Zawiah, AG Al-Bakri. The International Journal of Lower Extremity Wounds, 15347346241230288, 2024
 7. Knowledge, perception, and practice of health professions students and academics regarding halal pharmaceuticals: A cross-sectional study, **D Jaber**, S Al Tabbah, L Elsalem, J Infrastruc Polic Develop, 2024.
 8. Efficacy and Safety of Pharmacist-Managed NSAIDs Deprescribing: A Jordanian Outpatient Study, **D Jaber**, Al Shihab, LN Tamimi. Journal of Clinical Pharmacy and Therapeutics 2024 (1), 5874686, 2024
 9. The Impact of the COVID-19 Pandemic on Loneliness Among University Students: A Cross-Sectional Study in Jordan. OK Tadros, S Arabiyat, **D Jaber**, M Elayyan, R Alawwa, H ALSalamat. Cureus 15 (8), 2023
 10. Implementing OSCE exam for undergraduate pharmacy students: A Two institutional mixed-method study. H Alhamad, **D Jaber**, MB Nusair, F Albahar, SM Edaily, NQ Al-Hamad, Jordan Journal of Pharmaceutical Sciences, 217-234, 2023
 11. Knowledge and practice in Jordan regarding the outbreak and prevention of COVID-19: a questionnaire-based study. JD Al-Shawabkeh, NA Laban, **D Jaber**. Tropical Journal of Pharmaceutical Research 22 (4), 847-857, 2023
 12. Assessment of Jordanian Pharmacists' Knowledge and Perception Regarding Sexual and Reproductive Health and Their Practice in Providing Sexual Counseling to Patients. S Arabiyat, O Tadros, RA Farha, **D Jaber**, T Al-Daghastani. Pharmacy Practice 21 (1), 1-6, 2023
 13. Willingness to pay for community pharmacies-based medication review service: perspectives of private health insurance firms. MA Assab, **D Jaber**, F Albahar, H Alhamad, T Mukattash, H Al-Mathani, Pharmacy Practice 21 (4), 1-8, 2023
 14. Factors influencing public willingness to reuse the unused stored medications in Jordan: a cross-sectional study. H Alhamad, **D Jaber**, R Abu-Farha, F Albahar, SM Edaily, P Donyai. Healthcare 11 (1), 75, 2022

15. Synchrotron-Radiation-Based Fourier Transform Infrared Microspectroscopy as a Tool for the Differentiation between Staphylococcal Small Colony Variants. AG Al-Bakri, LA Dahabiyeh, E Khalil, **D Jaber**, G Kamel, N Schleimer, *Antibiotics* 11 (11), 1607, 2022
16. Prevalence and predictive factors for infertility-related stress among infertile couples: A cross-sectional study from Jordan and the occupied Palestinian territories. **D Jaber**, HA Basheer, AM Albsoul-Younes, LM Elsalem, JM Hamadneh, *Saudi Medical Journal* 43 (10), 1149, 2022
17. Prevalence and predictive factors of masked depression and anxiety among Jordanian and Palestinian couples: a cross-sectional study. **D Jaber**, HA Basheer, L Elsalem, M Dweib, M Khadra, R Abduljabbar, *Healthcare* 10 (9), 1679, 2022
18. The COVID-19 pandemic and patient safety culture: a cross-sectional study among community pharmacies in Jordan. M Abu Assab, **D Jaber**, H Basheer, H Abu Assab, H Al-Atram. *Healthcare* 10 (8), 1434, 2022
19. Electronic Prescribing System and electronic health record priorities for antimicrobial stewardship. F Albahar, H Alhamad, RK Abu-Farha, H Alsalamat, **D Jaber**, *Jordan Journal of Pharmaceutical Sciences* 15 (1), 107-120, 2022
20. Feasibility of using simulated patients for onsite structured practice feedback in Jordanian community pharmacy settings. EA Hammad, E Elayah, **D Jaber**, S Al-Aqeel. *Saudi Pharmaceutical Journal* 30 (3), 225-229, 2022
21. Assessing content and factors influencing responses to information requests in community pharmacies in Jordan: A simulated patients study. EA Hammad, S Al-Aqeel, E Elayah, **D Jaber**. *Plos one* 17 (2), e0264224, 2022
22. Applying the Framingham Risk Score for cardiovascular diseases in Jordan: A cross sectional study. S Arabiyat, O Tadros, T Al-Daghastani, **D Jaber**. *Tropical Journal of Pharmaceutical Research* 21 (12), 2659-2667, 2022
23. Effect of diluted Dakin's solution versus standard care on diabetic foot ulcer management: a randomized controlled trial. **D Jaber**, N Younes, E Khalil, A Albsoul-Younes, A Mismar, M Nassar, *Journal of the American Podiatric Medical Association* 112 (1), 2022
24. Pharmacists' perception of the coronavirus pandemic (COVID-19) in Jordan: a cross-sectional study. T Al-Daghastani, O Tadros, S Arabiyat, **D Jaber**, H AlSalamat. *International journal of environmental research and public health* 18 (21), 11541, 2021

25. Characterization of staphylococci sampled from diabetic foot ulcer of Jordanian patients. AG Al-Bakri, NR Bulatova, NA Younes, G Othman, **D Jaber**, N Schleimer, *Journal of Applied Microbiology* 131 (5), 2552-2566, 2021
26. Impact of pharmacist interventions on drug-related problems in general surgery patients: a randomised controlled trial. S AbuRuz, **D Jaber**, I Basheti, A Sadeq, M Arafat, M AlAhmad, A Said. *European Journal of Hospital Pharmacy* 28 (e1), e72-e78, 2021
27. Women's opinions, beliefs, and practices towards using different medicinal plants for postpartum health problems care. S Al-Zeidaneen, **D Jaber**. *Jordan Journal of Pharmaceutical Sciences* 14 (3), 2021
28. Public perceptions about pharmacists' role in prescribing, providing education and delivering medications during COVID-19 pandemic era. H Alhamad, R Abu-Farha, F Albahar, **D Jaber**. *International journal of clinical practice* 75 (4), e13890, 2021
29. Knowledge, awareness and practices regarding dietary supplements in Jordan. HA Basheer, L Elsalem, **D Jaber**, SM Ibraheem, H Alhamad, AA Jum'ah. *Tropical Journal of Pharmaceutical Research* 20 (3), 649-659, 2021
30. Awareness of combined oral contraceptives use among Jordanian women: A cross-sectional study. **D Jaber**, L Tahaine, A Akour, A Albsoul-Younes. *Tropical Journal of Pharmaceutical Research* 19 (10), 2187-2195, 2020
31. Evaluation of the clinical pharmacist's role in educating women about the benefits and risks of combined oral contraceptive pills in Jordan. L Tahaine, MM Alkyam, NA Al-Sawalha, **D Jaber**, AM Albsoul-Younes. *Journal of Pharmaceutical Health Services Research* 11 (1), 33-38, 2020
32. Patients' attitude and willingness to pay for pharmaceutical care: An international message from a developing country. **D Jaber**, S Aburuz, EA Hammad, H El-Refae, IA Basheti. *Research in Social and Administrative Pharmacy* 15 (9), 1177-1182, 2019
33. Knowledge, attitude, practice and satisfaction of patients using analgesic patches in Jordan. AZ Alkilani, R Alkalbani, **D Jaber**, R Hamed, I Hamad, H Abumansour, *Tropical Journal of Pharmaceutical Research* 18 (8), 1745-1753, 2019
34. Proteinases as biomarkers in breast cancer prognosis and diagnosis. G ARY Suaifan, **D Jaber**, M B. Shehadeh, M Zourob. *Mini reviews in medicinal chemistry* 17 (7), 583-592, 2017

35. Knowledge, attitude and opinion of drug misuse and abuse by pharmacy students: a cross-sectional study in Jordan. **D Jaber**, N Bulatova, M Suyagh, AM Yousef, M Wazaify. *Tropical Journal of Pharmaceutical Research* 14 (8), 1501-1508, 2015
36. Multiple prescription drug abuse and salt craving in a psychotic patient: a case report from a teaching hospital in Jordan. **D Jaber**, I Al Awwa, M Wazaify. *International journal of high risk behaviors & addiction* 4 (3), 1-2, 2015
37. Death of a middle-aged man after long term abuse of a combination anticholinergic, beta blockers and narcotic drugs: a suspected Münchausen syndrome case report. S Madae'en, B Bostamy, **D Jaber**, M Wazaify. *J Addict Neuropharmacol* 2 (1), 7-9, 2015
38. Jordanian stakeholder attitudes toward generic substitution. I Alabbadi, R Abbott, **D Jaber**. *Journal of Generic Medicines* 11 (1-2), 24-34, 2014
39. Physicians' knowledge, attitude and practices regarding management of medications in Ramadan. **D Jaber**, A Albsoul Younes, M Wazaify. *Eastern Mediterranean Health Journal* 20 (1), 56-62, 2014
40. Evaluation of the impact of pharmaceutical care service on hospitalized patients with chronic kidney disease in Jordan. SM AbuRuz, Y Alrashdan, A Jarab, **D Jaber**, IA Alawwa. *International journal of clinical pharmacy* 35, 780-789, 2013
41. *Pregnancy and Breastfeeding Guide*. **Jaber D**, Zahran F. 2nd publication of Good Pharmacy Practice (GPP) Board. 2012

(c) Research Grants

- DAAD short term grant for my PhD thesis to be fulfilled in Münster University / Germany from 1/11/2016 to 31/01/2017.
- ALBA Synchrotron / Spain grant for my diabetic wound healed samples to be analyzed using the FTIR facility and to represent a part of my thesis in the center, from 20/11/2016 to 29/11/2016.

(d) Participation in Regional & International Conferences

42. Nursing Conference. AlBalqa'a University, 20 March, 2023 Asalt, Jordan. **Oral presentation** for the topic under the title: Halal Pharmaceuticals and Cosmetics Awareness.

43. Biological therapies: from bench to clinic. Jordan University, 13 May, 2023, Amman, Jordan
44. Post graduates Conference. AlZaytoonah University, 11 May, 2023 Amman, Jordan.
Oral presentation for the research under the title: The role of clinical pharmacist in identification and reduction of medication errors in pediatrics and gynecology outpatient clinics.
45. Recent trends in pharmaceutical research. AlYarmouk University, 09-10 May, 2023 Irbid, Jordan. **Oral presentation** for the topic under the title: Halal Pharmaceuticals and Cosmetics Awareness.
46. Covid-19: prospects and challenges Scientific day – Zarqa University, 17 March, 2022 Amman, Jordan. As **session moderator**.
47. The School of Pharmacy 2021 Conference - The University of Jordan, 7 – 8 April, 2021 Amman, Jordan. **Oral presentation** for the research under the title: Public perceptions about pharmacists' role in prescribing, providing education and delivery medications during COVID-19 pandemic era.
48. **The 3rd Global Forum for Halal drugs and Pharmaceutical products**. Zarqa University, 07 January, 2020 Amman, Jordan. As **session moderator**
49. 1st FIP regional conference "Envisioning the future together: Transforming pharmacy for better primary health care", 24-26 April 2019, Amman Jordan
50. Erasmus+ workshop on "How to write a competitive proposal", 26th November 2018, Amman Jordan
51. Global and National Mechanisms for reshaping the scope of Practice Frameworks for pharmacists workshop By Prof. Ian Bates UK, 29th October 2018, at RMS, Amman Jordan
52. Clinical and Bedside Training and Assessment: Training on the Run, By Prof. Janet Engle USA, 29th October 2018, at RMS, Amman Jordan
53. American College of Clinical Pharmacy (ACCP), Updates in Therapeutics® 2018 meeting, February 16-18, 2018, at the Hyatt Regency, Jacksonville Riverfront, Jacksonville, Florida, poster presentation for the research under the title: Dakin's solution for the management of diabetic foot ulcers: In vitro and In vivo Study. (*not attended for special causes*).
54. Stem cell therapy certification workshop, 6th January 2018, ACDIMA Amman - Jordan
55. Abu Dhabi (UAE), 1st – 4th November 2017: The 4th Middle East Molecular Biology Congress and Exhibition, **oral presentation** for the research under the title: Molecular-

- PCR Technique: A Rapid and Sensitive Identification tool For DiabeticFoot Ulcer Microbiota.
56. **ACPE** International Services Program (ISP) certification workshop, 10th October 2017, Amman - Jordan
 57. TAIEX workshop on GEANT, H2020 and European Synchrotron Sources, The 10th Jordanian SESAME national workshop for the Synchrotron users, 12th – 13th August 2017, Amman - Jordan
 58. The 6th International Jordanian Congress of Allergy and Immunology, The 2nd Pediatric Rheumatology Arab Group Meeting, 26th – 28th July 2017, Amman - Jordan
 59. The 9th Jordanian SESAME national workshop for the Synchrotron users, 04/05/2017, Amman- Jordan.
 60. Dubai (UAE), 27th – 29th March 2017: World Congress and Expo on Biotechnology and Bioengineering, **oral presentation** for the research under the title: Molecular and chemical analysis of microbial ecology of diabetic foot infected ulcers (*not attended for special causes*).
 61. Jabriya (Kuwait), 9th – 11th February 2017: 6th Kuwait International Pharmacy Conference (KIPC 2017) 2nd Forum on Advancing Pharmacy Education in the GCC and Middle-East, **oral presentation** for the research under the title: Knowledge, Attitude and Opinion of Drug Misuse and Abuse by Pharmacy Students: A Cross-Sectional Study in Jordan (*not attended for special causes*).
 62. Barcelona (Spain), 25th November 2016: ALBA synchrotron workshop, **oral presentation** for the research under the tile: Infrared microscopic imaging of granulation tissue of diabetic foot ulcers healing.
 63. Amman (Jordan), 25th – 27th October 2016: The 4th international Conference for School of Pharmacy in the University of Jordan under the title : Excellence in pharmacy education and research: Quality approach
 64. Amman (Jordan), November 2015: 13th SESAME users workshop
 65. Amman (Jordan), October 2015: The 6th international congress of the Jordanian neurological society, The 3rd congress of the Jordanian chapter of epilepsy
 66. Amman (Jordan), December 2014: The 1st ASU-Pharmacy National Conference, Under the title of Recent Trends in Postgraduate Research
 67. Amman (Jordan), November 2014: The 12th SESAME Users Meeting Conference.
 68. Amman (Jordan), April 2014: The 12th International Jordanian Conference of Internal Medicine” In collaboration with “The Royal College of Physicians/Edinburgh

69. Amman (Jordan), 28th – 29th March 2014: Vitamin D and Other Micronutrients in Maternal and Child Health Conference-Land Mark Hotel
70. Amman (Jordan), Oct 2012: The 15th Scientific Conference of the Association of the Pharmacy Colleges in the Arab World, 3rd International Conference of the Faculty of Pharmacy, University of Jordan
71. Amman (Jordan), 17th July 2012: I attended a workshop about Medication Safety Everyone's Responsibility.
72. Amman (Jordan), 14th July 2012: I attended a workshop about NLP-Healthy management of obesity.
73. Amman (Jordan), 26th – 28th April 2012: I attended the 14th Jordanian International Pharmaceutical Conference. **Poster presentation** on management of medications in Ramadan, promotion for my 1st book in pregnancy and breastfeeding guide.
74. Amman (Jordan), 7th April 2012: I attended a workshop about the Evidence Based Medicine and its application on combined oral contraceptives.
75. Amman (Jordan), 7th-8th December 2011: I attended an ICU Symposium in Ibn-Al-Haytham Hospital.
76. Amman (Jordan), 10th May 2011: I attended the GPP workshop about the combating counterfeit medicines program.
77. AmmanJordanUniversity (Jordan), 7th May 2011, I attended the Pharmacy Scientific day.
78. Amman, Jordan University (Jordan), 5th -7th May 2011: I attended the 4th Arabic Conference of Nutrition.
79. Irbid (Jordan), 21st April 2011: I attended the 1st scientific day for clinical pharmacy in King Abdullah University Hospital/JUST.
80. Amman (Jordan), 9th-11th April 2011: I attended The International Conference on Materials in Jordan (Humboldt Kolleg), Pharmacy part. **Poster presentation** on management of medications in Ramadan.
81. Dead Sea (Jordan), 3rd – 6th May 2010: I attended the 5th International Conference of The Royal Medical Services.
82. Amman (Jordan), 22nd – 24th April 2010: I attended the 13th Jordanian International Pharmaceutical Conference. **Oral Presentation** on Communication skills in community pharmacy.
83. AmmanJordanUniversity (Jordan), 1st -4th June 2008: I attended training course for ways for prevention of common drugs abused in Jordan.

84. Amman (Jordan), 12th – 14th May 2008: I attended the 4th International Conference of The Royal Medical Services.
85. AmmanJordanUniversity (Jordan), 6th May 2008, I attended the Pharmacy Scientific day. Poster presentation on management of medications in Ramadan.
86. Amman (Jordan), 8th-11th March 2007: I attended the Neuro Linguistic Programming (NLP) Training/ Mastery Academy in Britain of training and development.
87. Amman (Jordan), 11th September 2006: I attended the USP Dissolution testing workshop, the Jordanian association of pharmaceuticals/U.S. Pharmacopoeia/JFDA

6. SERVICE

(a) Membership of Institutional, National, or International Scientific Advisory Boards

- A member in the scientific advice committee in JFDA 2023-now
- A member in SMIIC 2021-now
- A member of translation committee for the leaflet provides information for parents of babies born with tracheo-oesophageal fistula (TOF) and oesophageal atresia (OA), 2014-2015
- Social/Clinical Committee for the coming 15th Scientific Congress of the Association of the Pharmacy Colleges in the Arab World & The 3rd International Conference of the Faculty of Pharmacy, The University of Jordan (9th-11th October 2012) A member in the Committee: 2012-2013
- Good Pharmacy Practice (GPP) Board Committee JPA, A member in the Committee, 2011-2014
- Clinical pharmacy and PharmD Committee JPA, A member in the Committee, 2011-2014
- International Society for Pharmaco-economics and Outcomes Research (ISPOR)/Jordan JPA, A member in the Committee and working on the Arabic translation for ISPOR book for Health care, cost, quality, and outcomes, 2011.

(b) Membership of Conference Committees

Amman (Jordan), 25th– 27th October 2016: The 4th international Conference for School of Pharmacy in the University of Jordan under the title: Excellence in pharmacy education and research: Quality approach, member of scientific committee.

(c) Service as Editor/Reviewer

Academic editor in the Plos One journal (ISI-IF 3.2)

Reviewer in the Advances in wound care journal (ISI-IF 4.7)

Reviewer in the Plos One journal (ISI-IF 3.2)

Reviewer in the BMC Public Health journal (ISI-IF 2.6)

Reviewer in the BMC Gastroenterology journal (ISI-IF 2.2)

Reviewer in the Global Health Research and Policy (GHRP) Journal

(d) Invited Presentations at Scientific Meetings/Workshops

88. Dubai (UAE), 27th – 29th March 2017: World Congress and Expo on Biotechnology and Bioengineering, **oral presentation** for the research under the title: Molecular and chemical analysis of microbial ecology of diabetic foot infected ulcers.
89. Jabriya (Kuwait), 9th – 11th February 2017: 6th Kuwait International Pharmacy Conference (KIPC 2017) 2nd Forum on Advancing Pharmacy Education in the GCC and Middle-East, **oral presentation** for the research under the title: Knowledge, Attitude and Opinion of Drug Misuse and Abuse by Pharmacy Students: A Cross-Sectional Study in Jordan.
90. Barcelona (Spain), 25th November 2016: ALBA synchrotron workshop, **oral presentation** for the research under the tile: Infrared microscopic imaging of granulation tissue of diabetic foot ulcers healing.

7. References

Prof. Abla Albsoul	University of Jordan (00962795652216)
Prof. Mayyada Wazaify	University of Jordan (00962795494923)
Prof. Amal Al-Bakri	University of Jordan (00962798031938)
Prof. Salah Abu Ruz	University of Jordan (00962777635237)