



Mohanad M. Odeh (Short CV)

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Profile

Associate Professor specializing in Clinical Pharmacy Management and Development. Dedicated to advancing Knowledge Transfer Partnerships. Expertly integrates Patient-Centred Approaches with Applied Management and Professional Development. Passionate to catalysing healthcare transformation. I'm dedicated to empowering potential and future leaders to achieve enduring success.

Education

PhD Clinical Pharmacy & Pharmacy Management	PhD thesis ' The clinical and economic impact of the provision of innovative pharmacy & medicine management services to post-discharge patients ' Queen's University Belfast (QUB), United Kingdom.	2013-17
Level 7 Certificate	Strategic Leadership and Project Management, QUB - Chartered Management Institute (CMI), United Kingdom.	2016-17
Business Administration	Professional Diploma, Oxford College, United Kingdom.	2011-12
Doctor of Pharmacy (Pharm.D)	Jordan University of Science & Technology (JUST), Jordan.	2000-06

Professional Experience (Light version)

Associate Professor, Hashemite University	Lead following modules: Pharmaceutical Project management, Pharmaceutical care & communication, Pharmacoeconomics, Technical writing, Health care pharmaceutical policies, Management and marketing, Drug Informatics.	2023 - Now
Director of Research Innovation Centre.	Pharmacy Management & Pharmaceutical Care Innovation Centre (PM&PCIC), Hashemite University, Jordan.	2018 - Now
Consultant, Prime Ministry - Jordan.	Support for the National evidence-based decision unit at the Prime Ministry	2019 - Now
Ambassador *British Pharmacological Society *UK science Network STEM-NET	The 1 st international chapter leader and global ambassador. Network for Science, Technology, Engineering and Mathematics.	2019 - Now 2015 - 18
Strategic Advisor, QUB.	Started as an Ambassador 2014-17 then promoted to be a Strategic Consultant . Then promoted to Strategic Advisor in 2024.	2014 - Now
National Publication Author, Drugs in Jordan.	Both 1 st 2 nd and 3 rd editions in cooperation with Jordanian Pharmacist Association, Jordanian FDA.	2006 - Now
District Sales Manager, Eli Lilly	Manage, Develop and Coach Iraqi and Libyan teams. In addition to maintaining major business operations in MENA region.	2010 - 2013
Business Coordinator, Eli Lilly	Coordinate Eli-Lilly business in Libya and Iraq. Sales, Marketing, Registration, Medical and Public Relation.	2007 - 2010
Product Manager, IPSEN International, Jordan Market	Support IPSEN products in Jordan. Medical, Marketing and Sales departments.	2007
Medical Representative, IPSEN	Actively promote IPSEN products in Jordan.	2006

Some Projects (Light version)

Train Jordanian Trainers & Leaders	Developing Universities' Innovation Capacities and Entrepreneurship	2021 - Now
Arabic Board of Pharmacy	Leading Member in the 1 st Arab Pharmacist Licensure Examination, APLEX	2019 - Now
Building Capacity & Development	Lead QUB-Jordan National network for Personal and Professional Development.	2017 - Now
Internationalization projects	Collaboration with Jordanian Ministries to lead – participate in National Projects.	2017 - Now
Personal Development Innovation	Successfully led and designed this course at QUB.	2014 - 17
Patient Conversation Maps	Successfully launched program in MENA region.	2009 – 13
Student Academic Guidance	Genuinely created this program at JUST.	2002 – 06

Soft Skills (Light version)

Trainer with QUB for Building Capacity Development (**Jordanian Prime Ministry, Royal court, and other Jordanian institutions**); Advance Leadership, Personal Development, Mentoring, Innovation and Entrepreneurship, Time and Stress Management, Risk management, and other soft skills for Personal, People and Organization Management , Psychometry Analysis.

Mohanad Mousa Taha Odeh (Detailed CV version)

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Leading Training Programme and Workshops

Lead Training for Personal Development & Leadership Building Capacity (2016 - Now)

Target participants	Institutions
1. Deans of Colleges and Head of departments at Jordanian Universities. (2016)	- Jordan University (Public University) - Amman Arab University – Jordan (Private University)
2. Outstanding future leaders in Pharmacy (2017 – Now)	The following Jordanian Universities: - Hashemite University - Jordan University - JUST University - Mutah University - Amman Al Ahlyya - Al Aqaba University - Applied Science University - Jadara University - Philadelphia university - Al Isra University
3. Senior Managers and Top Thought Leaders (2018 – Now)	Partnership with the following Institutions: - The Royal Hashemite Court - The Jordanian Prime Ministry - The Jordanian Senator House - Jordanian FDA - King Hussein Cancer Centre - Royal Medical Services - Zarqa Governance, Jordan - Ministry of Higher Education - Jordanian Pharmacists Association - Private Sector and others
4. Postgraduate and international students (2015-2016)	Queen's University Belfast – UK
5. Responsible Research Conduct – Ethics in Research (2018 – 2019)	Collaboration with JUST and University of California San Diego (UCSD), California, USA
6. Entrepreneurs & innovative Programs (2020 – Now)	- Collaboration with University of Saarland, Germany - Tailored program for Trainers & outstanding students (2022-Now)
7. Tomorrow's leader (2021 – Now)	Collaboration with senior managers at the Swiss pharmaceutical company Roche
8. Saudi Clinical Pharmacists (2020 – Now)	Saudi Heart Association of clinical pharmacy
9. Arab Pharmacists (2019 – Now)	Arabic Board of Pharmacy
10. Pharmacy Students, KidzMed project (2021 – 2024)	Partnership with UK Universities Liverpool John Moores University (LJMU), University of Central Lancashire (UCLan) and Newcastle University
11. Jordanian PharmAZy Academy project (2021 – 2025)	Scientific Advisor with the UK company AstraZeneca for the pharmacy education program
12. Social Accountability Strategies for Jordanian Healthcare Sector (2023-2024)	Research Team Leader: JUST University & NAZAHA

Leading and Organising Scientific - Leadership Forums

1. QUB 1st Jordanian Leadership Forum (March 2016 at Belfast, United Kingdom).
2. QUB 2nd Jordanian Leadership Forum (May 2018 at Belfast, United Kingdom).
3. British Pharmacological Society, Prescribing Assessment Skills Forum (Nov 2018, Jordan).
4. 1st QUB – Jordanian Health and Agriculture Forum (Jan 2019 at Amman - Jordan).
5. Basic and Advance Responsible Research Conduct Forum (July 2019 Amman - Jordan).

National Jordanian and Regional Higher Committees

1. Prime Ministry: The central committee for strategic planning and decision support unit (2018). Group leader for Health and Higher Education team.
2. Jordanian Food and Drug Administration
 - a. Member of the Pricing Committee (2019 - 2021).
 - b. Member of the Higher Committee for re-shaping the pricing policy (2023 - Now)
3. Accreditation and Quality Assurance Commission for Higher Education Institution
 - a. Head of committee for accreditation of the joint pharmacy school program Middle East (Jordan) – Strathclyde University (UK), 2019 – 2023.
 - b. Head of Committee for accreditation of pharmacy program at Amman Arab University – Jordan, (2020 – 2024).
 - c. Senior Member of the Quality assurance committee to evaluate pharmacy school program at Middle East University - Jordan, (2021 – 2025).
 - d. Member of the preparation committee for the 1st National conference of Jordanian Accreditation and Quality Assurance Commission for the Higher Education Institutions. (Feb – July 2022).
 - e. Member in many committees for program's accreditation
4. Consultant for the creation of a new pharmacy school at the Palestine Polytechnic University – Palestine (Jan – Sep 2022).
5. Member of the Arab Pharmacy Board – License Examination Committee (2019 till Now)
6. Member on behalf of the Jordanian Pharmacists Association to join the General Association Committee for Sciences (Starting on 6th June 2022) .
7. External examiner for the Royal Medical Services, Oral exams (2019 – till now)
8. Member in the Pharmacy Higher Competence Committee (2021 – Now)
9. Member in the Pharmacy Continuous Development Committee, Jordanian Medical Counsel (2024 – 2028)
10. Member in the Innovation and Entrepreneurship Central Committee at Jordanian higher Ministry of Education (2024 – 2027)
11. Member in The Libyan Board for Clinical Pharmacy (2024 – 2028)
12. Member of the Higher Committee to establish Dentistry School at Petra University - Jordan (2022 - 2026)

Research and Scientific Publications (2019 – Jan,2025)

- **Odeh, Mohanad**, Claire Scullin, Glenda Fleming, Michael G. Scott, Robert Horne, and James C. McElnay. 2019. "Ensuring Continuity of Patient Care across the Healthcare Interface: Telephone Follow-up Post-hospitalization." *British Journal of Clinical Pharmacology* 85 (3): 616–25. <https://doi.org/10.1111/bcp.13839>.
- **Odeh, Mohanad**, Claire Scullin, Anita Hogg, Glenda Fleming, Michael G. Scott, and James C. McElnay. 2020. "A Novel Approach to Medicines Optimisation Post-Discharge from Hospital: Pharmacist-Led Medicines Optimisation Clinic." *International Journal of Clinical Pharmacy*, June. <https://doi.org/10.1007/s11096-020-01059-4>.
- Scott, Michael Gordon, **Mohanad Odeh**, Stephen Toner, Claire Scullin, and James Charles Mc Elnay. 2019. "Continuity of Care Post-Hospitalisation of Patients at Risk of Medicines Management Problems." *International Journal of Integrated Care* 17 (5): 150. <https://doi.org/10.5334/ijic.3458>.
- **Odeh, Mohanad** M., Rami Al Qaissieh, Amjad A. Tarifi, Muna M. Kilani, Ramzy E. Tadros, Abedrazzaq I. Al khashman, and Karem H. Alzoubi. 2021. "A Prediction Model of Risk Factors for Complications among SARS-CoV2 Positive Patients: Cases from Jordan." *Journal of Infection and Public Health*, March. <https://doi.org/10.1016/j.jiph.2021.02.010>.
- Alsous, Mervat, Mariam Abdel Jalil, **Mohanad Odeh**, Rasha Al Kurdi, and Murhaf Alnan. 2019. "Public Knowledge, Attitudes and Practices toward Diabetes Mellitus: A Cross-Sectional Study from Jordan." *PloS One* 14 (3): e0214479. <https://doi.org/10.1371/journal.pone.0214479>.
- Alsous, Mervat M., **Mohanad Odeh**, and Mariam Abdel Jalil. 2020. "Effect of an Educational Intervention on Public Knowledge, Attitudes, and Intended Practices towards Diabetes Mellitus: A Quasi-experimental Study." *International Journal of Clinical Practice*, June. <https://doi.org/10.1111/ijcp.13565>.
- Elsahoryi, Nour, Hiba Al-Sayyed, **Mohanad Odeh**, Andrea McGrattan, and Fwziah Hammad. 2020. "Effect of Covid-19 on Food Security y: A Cross-Sectional Survey." *Clinical Nutrition ESPEN*, October. <https://doi.org/10.1016/j.clnesp.2020.09.026>.
- Kilani, Muna M., **Mohanad M. Odeh**, Marwan Shalabi, Rami Al Qassieh, and Mohammad Al-Tamimi. 2020. "Clinical and Laboratory Characteristics of SARS-CoV2-Infected Paediatric Patients in Jordan: Serial RT-PCR Testing until Discharge." *Paediatrics and International Child Health*, September, 1–10. <https://doi.org/10.1080/20469047.2020.1804733>.
- Alqassieh, Rami, **Mohanad Odeh**, Mohammed Q. Al-Sabbagh, and Mustafa Alrabayah. 2021. "The Role of Hydrocortisone Pre-Treatment in Decreasing Side Effects of Protamine Sulfate Administration during Cardiac Surgery: A Randomised Controlled Trial." *Perioperative Care and Operating Room Management* 23 (June): 100161. <https://doi.org/10.1016/j.pcorm.2021.100161>.
- **Odeh, Mohanad**, Enas Alkhader, Alice McCloskey, Rabia Aljabra, Mohammad Al-sharayri, Faisal Al-Noimi, Majid Alarmooti, and Mutazbellah Alzu'bi. 2021. "Postgraduate Pharmacist Development- an Evaluation of Jordanian Pharmacist Experiences to Inform and Shape an Evidence-Based Professional Development Policy." Edited by Kingston Rajiah. *PLOS ONE* 16 (7): e0255026. <https://doi.org/10.1371/journal.pone.0255026>.
- Elsahory, Nour, Hiba Al-Sayyed, Andrea McGrattan, **Mohanad Odeh**, and Fwziah Hammad. 2021. "Using of Licensed and Unlicensed Anti-Obesity Medications among the University Students." *Nutrition and Food Processing* 4 (2): 01–09. <https://doi.org/10.31579/2637-8914/043>.
- AL-Hashimi N., El-Sheikh A., Alruwad M. and **Odeh M.**, Solvent Bar Microextraction Combined with HPLC-DAD for Simultaneous Determination of Diuretics in Human Urine and Plasma Samples. *Current Pharmaceutical Biotechnology*, 2021, 22, 1-10.

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- Hasan, Diya, Yazan Ismail, Ahmad Al Tibi, Safaa AL-Zeidaneen, **Mohanad Odeh**, George J Burghel, Iyad Natsheh, and Amid Abdelnour. 2021. "Serum Biomarkers for Chemotherapy Cardiotoxicity Risk Detection of Breast Cancer Patients." *Asian Pacific Journal of Cancer Prevention* 22 (10): 3355–63. <https://doi.org/10.31557/APJCP.2021.22.10.3355>
- **Odeh Mohanad**, Ghaith Al-Taani, LeeAnne Breslin, Michael G. Scott, and James C. McElnay. 2022. "The Impact of Drug Burden Index on Unplanned Hospital Readmission and Length of Hospital Stay." *Advances in Pharmaceutical Sciences* 2022. <https://mediterraneanjournals.com/index.php/aps/article/view/656>.
- **Odeh Mohanad**, Haneen M. Tailakh, Abdel Qader F. Al Bawab, Nour A. Elsayhori, and Karem H. Alzoubi. 2022. "A Comprehensive Assessment of Knowledge, Attitudes, and Practicalities Related to Doping Agents Use among Jordanians." *Clinical Practice & Epidemiology in Mental Health* 18 (1). <https://doi.org/10.2174/17450179-v18-e2202280>.
- Jirjees F, **Odeh M**, Aloum L, Kharaba Z, Alzoubi KH, Obaidi HA. The rise of telepharmacy services during the COVID-19 pandemic: A comprehensive assessment of services in the United Arab Emirates. *Pharmacy Practice* 2022 Apr-Jun;20(2):2634. <https://doi.org/10.18549/PharmPract.2022.2.2634>.
- **Odeh, Mohanad.**, Rami. Amer, Abdel Qader. Al Bawab, and Karem H. Kearney, Mary-Carmel. Alzoubi. 2022. "Pharmaceutical Innovation: The Gap between Knowledge, Attitude, and Perceptions among Pharmacists and Final-Year Pharmacy Students." *Journal of Applied Pharmaceutical Science* 7 (12).
- Burayzat, Salma M., Muna Kilani, Redab Al-Ghawanmeh, **Mohnad Odeh**, Omar Assi, and Karem H. Alzoubi. 2022. "Evaluation of the Effect Coronavirus Lockdown Had on Chronic Disease Management Care in Pediatrics: A Survey of Jordanian Pediatricians." Edited by Ozgur Kasapcopur. *International Journal of Clinical Practice* 2022 (October): 1–7. <https://doi.org/10.1155/2022/8710176>.
- Burayzat, Salma, **Mohanad Odeh**, Eyad Altamimi, Sarah Al-Dweik, Khaled El Wahab, Muntasir Alanasweh, Mohammad Al-Khraisat, and Mohammad Barqawi. 2022. "Eesophagogastroduodenoscopy in Paediatrics: Does Abiding by the International Guidelines Lead to Appropriate Management? A Cross-Sectional Study." *BMJ Open* 12 (9): e061489. <https://doi.org/10.1136/bmjopen-2022-061489>.
- Oqal, Muna, **Mohanad Odeh**, Rawan Abudalu, Abdelrahim Alqudah, Roaa Alnajjar, Yazeed Bani Younes, Maram Al-Shawabkeh, and Luma Taha. 2023. "Assessing the Knowledge, Attitudes and Barriers Regarding Health Promotion of Breast Cancer among Community Pharmacists." *Future Science OA*, February. <https://doi.org/10.2144/fsoa-2022-0051>.
- **Odeh, Mohanad**, Ghada Nazar Al-Jussani, Abdelrahman Ashour, Husam AlNaqah, Hamza A. Hasan, Lana Sbitan, Amro Dawabsheh, and Moayad Alhawi. 2023. "Follow-Up of Side Effects throughout the Entire Course of Coronavirus Vaccination." *Vaccines* 11 (3): 704. <https://doi.org/10.3390/vaccines11030704>.
- Elsayhori, Nour A., **Mohanad M. Odeh**, Seham Abu Jadayil, Andrea M. McGrattan, Fwziah J. Hammad, Ola D. Al-Maseimi, and Karem H. Alzoubi. 2023. "Prevalence of Dietary Supplement Use and Knowledge, Attitudes, Practice (KAP) and Associated Factors in Student Population: A Cross-Sectional Study." *Heliyon* 9 (4): e14736. <https://doi.org/10.1016/j.heliyon.2023.e14736>.
- Allam, Heba, Dana M. Odeh, Eman R. Mohammed, **Mohanad M. Odeh**, Walaa R. Mahmoud, and Hatem Abdel Aziz. 2023. "One-Pot Three-Component Synthesis, in Vitro Anticancer Activity and P53-MDM2 Protein-Protein Interaction Inhibition of Novel Spiro-Oxindoline-Based Pyrazolo[3,4-b]Pyridines." *Egyptian Journal of Chemistry*, August. <https://doi.org/10.21608/ejchem.2023.228742.8415>.

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- Alqassieh, Rami, **Mohanad Odeh**, and Feras Jirjees. 2023. "Intraoperative Insulin Infusion Regimen versus Insulin Bolus Regimen for Glucose Management during CABG Surgery: A Randomized Clinical Trial." *Jordan Journal of Pharmaceutical Sciences* 16 (3): 487–98. <https://doi.org/10.35516/jjps.v16i3.708>.
- **Odeh, Mohanad**, Muna Oqal, Hanan AlDroubi, and Basem Al-Omari. 2023. "Assessing the Competency of Pharmacists in Writing Effective Curriculum Vitae for Job Applications: A Cross-Sectional Study and Readability Index Evaluation." *BMC Medical Education* 23 (1): 884. <https://doi.org/10.1186/s12909-023-04870-5>.
- Ibrahim, Areen, **Mohanad Odeh**, Eyad Mallah, Luay Abu-Qatouseh, Ahmad Abu Awaad, Mohammad I. A. Ahmad, Amjad Shdifat, et al. 2024. "Genetic Analysis: Therapeutic Drug Monitoring of Metformin and Glimepiride on Diabetic Patients' Plasma Including Genetic Polymorphism." *Journal of Advanced Pharmaceutical Technology & Research* 15 (3): 150–55. https://doi.org/10.4103/JAPTR.JAPTR_99_24.
- **Odeh**, Dana M., Heba Abdelrasheed Allam, Fady Baselious, Walaa R. Mahmoud, Mohanad M. Odeh, Hany S. Ibrahim, Hatem A. Abdel-Aziz, and Eman R. Mohammed. 2024. "Design, Synthesis, and Biological Evaluation of Dinaciclib and CAN508 Hybrids as CDK Inhibitors." *Drug Development Research* 85 (3). <https://doi.org/10.1002/ddr.22193>.
- **Odeh, Mohanad**, Lana Sbitan, Noor Alzraikat, Haneen Tanous, and Tarik Al-Diery. 2024. "Precision Medicine in Pharmacy: Assessing Pharmacogenomics Competence among Pharmacists and Pharmacy Students." *Journal of Pharmaceutical Policy and Practice* 17 (1). <https://doi.org/10.1080/20523211.2024.2354879>.
- Al-Diery, Tarik, Stephanie Atweh, and **Mohanad Odeh**. 2024. "Empowering Early Career Pharmacists: Unleashing Non-Clinical Competencies through Pharmacy Residency." *Currents in Pharmacy Teaching and Learning*, April. <https://doi.org/10.1016/j.cptl.2024.03.015>.
- **Odeh, Dana M.**, Heba Abdelrasheed Allam, Fady Baselious, Walaa R. Mahmoud, **Mohanad M. Odeh**, Hany S. Ibrahim, Hatem A. Abdel-Aziz, and Eman R. Mohammed. 2024. "Design, Synthesis, and Biological Evaluation of Dinaciclib and CAN508 Hybrids as CDK Inhibitors." *Drug Development Research* 85 (3). <https://doi.org/10.1002/ddr.22193>.
- Ibrahim, Areen, **Mohanad Odeh**, Eyad Mallah, Luay Abu-Qatouseh, Ahmad Abu Awaad, Mohammad I. A. Ahmad, Amjad Shdifat, et al. 2024. "Genetic Analysis: Therapeutic Drug Monitoring of Metformin and Glimepiride on Diabetic Patients' Plasma Including Genetic Polymorphism." *Journal of Advanced Pharmaceutical Technology & Research* 15 (3): 150–55. https://doi.org/10.4103/JAPTR.JAPTR_99_24.
- **Odeh, Mohanad**, Lana Sbitan, Noor Alzraikat, Haneen Tanous, and Tarik Al-Diery. 2024. "Precision Medicine in Pharmacy: Assessing Pharmacogenomics Competence among Pharmacists and Pharmacy Students." *Journal of Pharmaceutical Policy and Practice* 17 (1). <https://doi.org/10.1080/20523211.2024.2354879>.
- Al-Omari, Basem, Joviana Farhat, **Mohanad Odeh**, Mumtaz Khan, Hristo Grancharov, Zaki Abu Zahr, Sammy Hanna, and Abdulla Alrahoomi. 2024. "Utilising Adaptive Choice-Based Conjoint Approach to Facilitate Shared Decision-Making in Osteoarthritis Management: A Patient Perception Study." *Arthritis Care & Research*, September. <https://doi.org/10.1002/acr.25429>
- Jirjees, Feras, **Mohanad Odeh**, Anfal Al-Haddad, Raneem Ass'ad, Yousra Hassanin, Hala Al-Obaidi, Zelal Kharaba, Yassen Alfoteih, and Kareem H. Alzoubi. 2024. "Test Anxiety and Coping Strategies among University Students an Exploratory Study in the UAE." *Scientific Reports* 14 (1): 25835. <https://doi.org/10.1038/s41598-024-59739-4>.

Follow on 3rd page – Research and Scientific Publications

- Jirjees, Feras, Amna M Othman, **Mohanad Odeh**, Hala AlObaidi, Zelal Kharaba, Hawraa Adhari, Menna Elshenawy, et al. 2024. “Exploring Public Perception and Utilization of Medication Home Delivery Services in the United Arab Emirates: A Cross-Sectional Study.” *BMC Health Services Research* 24 (1): 1340. <https://doi.org/10.1186/s12913-024-11770-x>
- Suilik, Husam Abu, Osama Alfaqeh, **Mohanad Odeh**, Abdalqader Alshrouf, Omnia M. Abdallah, et al. 2024. “Medical Students’ Knowledge, Attitude, and Practice Regarding Hepatitis B and C Virus Infections in Jordan: A Cross-sectional Study.” *Health Science Reports* 7 (12). <https://doi.org/10.1002/hsr2.70150>.
- Sbitan, Lana, Noor Alzraikat, Haneen Tanous, Abdelrahman M. Saad, and **Mohanad Odeh**. 2025. “From One Size Fits All to a Tailored Approach: Integrating Precision Medicine into Medical Education.” *BMC Medical Education* 25 (1): 90. <https://doi.org/10.1186/s12909-024-06138-y>.
- Alwidyan, Tahani, **Mohannad Odeh**, Ameerah Hasan Ibrahim, Eman Harahsheh, and Aya Banat. 2025. “Knowledge, Attitude, and Practice among Community Pharmacists toward Adverse Drug Reaction Reporting and Pharmacovigilance: A Nationwide Survey.” *Exploratory Research in Clinical and Social Pharmacy* 18 (February): 100578. <https://doi.org/10.1016/j.rcsop.2025.100578>.

Academic Journal’s Reviewer (2019 – 2025)

- Pediatric Intensive Care
- Risk Management and Healthcare Policy
- Integrative Journal of Medical Sciences
- Health Science Reports
- Digital Health
- PLoS ONE
- Jordan Journal of Pharmaceutical Sciences
- International Journal of Environmental Research and Public Health
- Journal of Pharmaceutical Health Services Research

Editorial Board of Academic Journals (2021 – 2025)

- Advances in Pharmaceutical Sciences – Mediterranean Journals (2021 – Now)
- PLOS ONE Journal (Started April 2022)

Hard Copy Books

- Drugs in Jordan plus basic Pharmacological review 1st edition (2008) 2nd edition (2013) 3rd electronic version (2019).
- Smart Pharmacology (Turn guidelines into tangible practice). 1st edition 2010.

Current Research Projects (under publication, writing)

1. Pharmacist’s competency models, what are the skills needed for specialised pharmacists?
2. Risk analysis of Pharmacy robbery in Jordan? Association and cases analysis.

3. Jordanian public awareness about medication, Quasi-experimental, pre and post educational intervention assessment.
4. Assessment of the promotional strategies impact on physician prescription, Analytical Observational trail.
5. Readiness to adopt cloud computing services in Jordan, Hexagon assessment model, Pilot implementation trial.
6. Comprehensive assessment to compare the quality of Pharmaceutical Care Services, Professional Development, Working Environment, Economic aspects and Legislation between Jordanian Chain Pharmacies and Independent Pharmacies. A cross-sectional study.
7. Association between job satisfaction and Emotional Intelligence for Jordanian Pharmacists. Cross sectional study.

Supervising postgraduate Master students' projects.

1. 2nd supervisor on the project: A comprehensive assessment of Knowledge, Substance classification, Side effects, Legal status, Attitude toward social awareness, Education, Prevalence of using, and practicalities related to Doping agents among Jordanians. Al Zaytona University, Amman – Jordan, (2019 – 2020). Student: Pharmacist Haneen M. Tailakh.
2. 2nd supervisor on the project: Medications and other clinical variables that drive unplanned hospital readmissions, Al Zaytona University, Amman – Jordan, (2021 – 2022). Student: Pharmacist Zaid Adnan.
3. 2nd supervisor on the project: Therapeutic drug monitoring of (Metformin and Glimepiride) on diabetic patients' plasma by using LC/MS/MS in relation to their genetic polymorphism. Petra University, Amman – Jordan, (2021 – 2022). Student: Pharmacist Areen Hasanain.

Supervising postgraduate PhD students' projects.

1. External supervisor, PhD project for Ms Soadad Saleh (Registration Number 202257971), in cooperation with Strathclyde Institute of Pharmacy and Biomedical Sciences at the University of Strathclyde (2022 – 2025).

Supervising Postdoctoral Projects

1st supervisor on the project: Medications and Clinical Nutrition status for paediatrics in Jordan. Sponsored by Islamic Development Bank (IsDB POSTDOCTORAL SCHOLARSHIP PROGRAMME) for the year 2021-2022 The candidate: Dr Safa Al Saudi, PharmD., PhD: Clinical Nutrition.

Leading Unique Educational Modules and Regular Teaching

(Mainly at Hashemite University, final year and Fourth-year students):

Leading 1st courses in its class at Jordanian Universities

Courses founder and coordinator – Unique Modules

Pharmaceutical Project Management

Healthcare Pharmaceutical Policies – Research methods in policies

Technical writing (Pharmaceutical Business, Personal and Scientific writing)

Advanced, specialised training in Pharmacy Management fields

Drug Informatics

Pharmacy Management & Leadership (ML); Self ML, People ML, Operation ML, Financial ML & Clinical ML

Courses that are available in other Jordanian universities (Regular Teaching)

Pharmaceutical care and Communication skills

Pharmacoeconomics

Pharmaceutical Management and Marketing

Advance Pharmaceutical Management and Marketing

Force field Training in community pharmacy

Department and University Committees- Hashemite University, Jordan.

The academic year 2017 – 2018

- Curriculum development committee
- Library committee
- Conflict management committee
- Scholarship coordinating committee

The academic year 2018 – 2019

- Knowledge transfer partnership
- Scientific days and interactive workshops
- Faculty website committee
- Scholarship coordinating committee

The academic year 2019 – 2021

- Strategic Planning committee
- Recruitment, academic promotion
- Graduation follow up committee
- Scholarship coordinating committee

The academic year 2021 – 2023 AND 2023 - 2025

- Strategic Planning committee
- Recruitment, academic promotion
- Field Training Committee
- Graduation follow up committee
- Scholarship coordinating committee
- Quality Assurance committee

Self and professional continuous education workshops

I have successfully attended and participated in the international collaboration with Saarland university – Germany, for the following:

1st level: HEI innovate Self-Assessment (Jordan, Aug 2021)

2nd Level: Benchmarking Visit of Saarland University (Germany Sep 2021)

3rd Level: Curriculum Development and Entrepreneurship Education (Germany Dec 2021)

4th Level: Train the Trainer Workshop Entrepreneurship Education (Germany Feb 2022)

5th Level: Train the Trainer Entrepreneurial Coaches (Germany July 2024)

6th Level: Train the Trainer Entrepreneurial Micro-Coaching advance skills (Germany Feb 2025)

Conferences, Scientific Symposia and Keynote Speaker

1. Speaker at Jordanian Royal Medical Services Conference, Amman-Jordan (2018 and 2020).
2. Speaker at Yarmouk International week, Irbid - Jordan (2019).
3. Speaker at Mu'tah University – Pharmacy School Conference, Kerak - Jordan(2018).
4. Speaker at JADARA University - COVID-19 Pandemic, The Pharmaceutical and Biomedical Research and Perspectives, Irbid – Jordan (10th March 2021)
5. Keynote speaker at Philadelphia University, 5th scientific day, Amman – Jordan (10th June 2021)
6. Keynote speaker at Israa University, 6th scientific day, Amman – Jordan (5th July 2021)
7. Speaker at Applied Science University, Pharmacy 5th International Conference, Amman – Jordan (12th Sep 2021)
8. Speaker at The Tenth Conference on Scientific Research in Jordan at Amman Al-Ahlyya university (27th Nov 2021)
9. Speaker at The International Conference of Pharmaceutical Sciences. Organised by University of Kufa – Iraq (2nd Dec 2021)
10. Speaker at the 7th Scientific day for the Jordanian Pharmacist Association at Zarqa city – Jordan (11th Dec 2021)
11. Scientific advisor for virtual Abstract Competition organized by the Saudi Cardiac Clinical Pharmacists (SCCP 21) – Saudi Heart Association: Innovative Medicine with Variable Scientific Challenges (17th -18th Dec 2021).
12. Speaker at the 3rd International conference for the Society of Forensic sciences (30 Jan 2022): Entrepreneurship and innovation, Assessment of Knowledge, attitude and practice among Jordanian Pharmacists.
13. Speaker at the Hashemite University Staff Development Program, Zarqa – Jordan (23 Feb 2022).
14. Keynote speaker at the face-to-face Program (TEDx Talks RBC – Ideas worthy to circulate) Managed by the RBC pharmacists group Amman – Jordan (27th March 2022).
15. Keynote speaker at the face-to-face Professional Development Program for Pharmacists (Program PharmacAZY Academy) Managed by the international pharmaceutical company AstraZeneca, Amman - Jordan (28th March 2022).
16. Keynote speaker at the Webinar “Pharmacists Fieldwork Challenges and Opportunities” Organised by Ethos Trend Training Company (1st April 2022).

17. Invited keynote speaker at the Second International Week for Yarmouk University, Irbid – Jordan (12th May 2022).
18. Speaker at the Scientific day for the Pharmacy school - Middle East University "The pharmacy Training, Challenges and Opportunities", Amman – Jordan (1st June 2022).
19. Keynote speaker at the face-to-face Professional Development Program for Pharmacists (Program PharmacAZY Academy, 2nd level) Managed by the international pharmaceutical company AstraZeneca, Amman - Jordan (30th July 2022).
20. Speaker at "The second Civilian - Military Conference" The online conference, Amman – Jordan (6th Aug 2023).
21. Speaker at " International Pharmaceutical Conference 2022, Zaytona Pharmacy School Al-Zaytona University, Amman, Jordan (18th Oct 2022).
22. Speaker at "The 2nd student conference (RBC group) Pharmacy Toward Innovation", Middle East University, Amman, Jordan (22nd Oct 2022).
23. Speaker at "The Arabic board annual conference 2022", Cairo, Egypt (25th Oct 2022).
24. Speaker at "The Scientific day at Pharmacy School – Yarmouk University" Irbid, Jordan (9th Nov 2023).
25. Speaker at " IEEE JSYP 2022" Hashemite University, Zarqa, Jordan (11th Nov 2022).
26. Scientific adviser First AAU International Conference on Pharmacy and Biomedical Sciences, Al Ain University – Abu Dhabi Campus, United Arab Emirates (18-19 Jan 2023).
27. Keynote and main speaker at "21 students' conference for private Schools" Zarq, Jordan (3rd March 2023)
28. Scientific advisor as On campus judge for the HULT PRIZE at Yarmouk University, Irbid, Jordan (6th March 2023).
29. The National Keynote Local Speaker at the " 10th International Conference of **Royal Medical Services** & Jordan Health Exhibition– JOHEX" Dead Sea, Jordan (7-9 March 2023)
30. Keynote speaker at "The 1st International Conference for Students at pharmacy school - Sharjah University" –Sharjah, United Arab Emirates (19-22 March 2023).

Patents

International Patent registered in Jordan **No. JO/P/2021/181** – Date of Patent: June 07, 2021. "JO-NAST Vaccine (Re-PAMP)". Patent registered at the Jordanian Ministry of Industry and Trade, a promising protein compound that will help the human immune system.

Awards, Local and International Rewards and Recognitions

1. Best Achiever Reward - Eli Lilly International Pharmaceutical Company (2009).
2. Exemplary District Manager – Eli Lilly International Pharmaceutical Company (2012).
3. Research plus Award, Queens University Belfast – United Kingdom (2017).
4. Congratulations from the British Journal of Clinical Pharmacology *‘Your work was one of the top downloaded in recent publication history’* (2018).
5. Congratulations from the PLOS ONE journal *‘Your article is among the top 10% most cited PLOS ONE papers published in 2019’*.
6. Best International Researcher, International Conference of infectious diseases (2021 – 2022).
7. Recognized and honoured by Petra University for National Impact and Dedicated Efforts (2021).
8. Recognised by British Council. Study UK Alumni Awards / Jordan. Finalist for Science and Sustainability Award (30th January 2022).
9. First place, 2023 Hasan Hawmdeh Award for the Outstanding Research Project, In the Faculty of Medicine at the Hashemite University. (19th June 2023).