

BIOGRAPHICAL SKETCH

NAME Fadia Abdallah Mayyas	POSITION TITLE Full Professor, Dept. Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Science and Technology Vice President, Faculty of Pharmacy, Yarmouk University
Date of Birth: 23/4/1982, Irbid, Jordan Nationality: Jordanian	
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INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Jordan University of Science and Technology, Irbid, Jordan	B.S.	2000-2005	Pharmacy
Norwegian University of Science and Technology. Trondheim, Norway	M.S. & Research Fellowship	2005-2007	Molecular Medicine/Opioid Pharmacology
Case Western Reserve University/Lerner College of Medicine of Cleveland Clinic Foundation. Cleveland, USA	Ph.D.	2007-2011	Molecular Medicine/Molecular Cardiology
University of California San Diego & Jordan University of Science and Technology	Fellowship	2017-2018	Responsible Conduct of Research

Summary Statement

Dr. Fadia Mayyas is a Professor of Clinical Pharmacy and Experimental Therapeutics. She was one of the top-performing students in the Tawjihi high school exam in Jordan and received a scholarship from the Ministry of Higher Education in 2000 to complete her B.S degree in Pharmacy at Jordan University of Science and Technology (JUST). Dr. Mayyas excelled in her study, graduating the first in the class of 2005 with a distinguished GPA of 92%. After that, she completed the requirements for a master's degree in pharmacy at Norwegian University of Science and Technology (NTNU) and started a Ph.D. program in Molecular Medicine funded by the European Pharmacogenetics Opioid Study group. After two years of research, Dr. Mayyas moved to the United States, where she received a scholarship from the Howard Hughes Medical Institute in 2007 to start a new competitive and combined Ph.D. program between Case Western Reserve University (CWRU) and Cleveland Clinic Foundation in Translational Molecular Medicine. Dr. Mayyas excelled in her studies receiving the prestigious Pre-doctoral Fellowship Award from the American Heart Association (AHA), and her thesis was recognized the best in Translational Molecular Medicine/Molecular Cardiology in 2011, CWRU/USA.

In her last year of Ph.D. study, Dr. Mayyas received a scholarship from JUST to join the faculty of Pharmacy as an Assistant Professor in 2011, became an Associate Professor in 2016, and then achieved the rank of Full Professor with seniority in 2020, becoming the first female promoted with seniority at JUST since its establishment. She also completed a research fellowship in Responsible Conduct of Research and Ethics from University of California SanDiego, USA in 2018. Her research interests focus on understanding molecular mechanisms and therapeutics of cardiovascular diseases in human and animal models, and she has published over 50 papers in this field and supervised tens of master students. Dr. Mayyas served as the vice dean for faculty of Graduate Studies at JUST from 2017- 2019, and in 2023, she was appointed the Dean of the faculty of Pharmacy at Yarmouk University (YU). As a part of her duties, she attended numerous workshops related to pharmacy, graduate studies, and quality assurance, on top of a long list of conferences. She was a team leader of numerous research projects and served on multiple committees in the areas of her specialties.

Dr. Mayyas career has been marked by dedication, hard work, and active participation in committees at the departmental, college, university, and national levels. She excelled in her academic and research work, receiving the Distinguished Teacher Award at the Faculty of Pharmacy in 2015 and Venous International Health Care Award in Clinical Pharmacy in 2018. During her service at faculties of Graduate Studies and Pharmacy at JUST, she contributed to reviewing and updating all graduate studies regulations, automating many graduate services, launching competitive contests to enhance graduate research output. She also organized training workshops and conferences, and chaired committees for local and international accreditations. Additionally, she established an early experiential training course for pharmacy and PharmD students integrating industrial, clinical and community training at the 2nd year. Under her leadership at faculty of Pharmacy of YU, a master's program was introduced, the B.S program was placed within the national framework, and follow-up reports for maintaining the American accreditation (ACPE) were completed. Additionally, she established academic policies at the faculty of Pharmacy to ensure quality of teaching, introduced industrial training, renovated the infrastructure of some halls and labs, established agreements for training, research and academic collaboration, and promoted student participation and activities. Currently, Dr. Mayyas holds the position of vice president for strategic planning, quality and scientific research at Yarmouk University. During her tenure, Dr. Mayyas led the development of a participatory, evidence based strategic plan and advanced quality culture, accreditation efforts, and research support through key enhancements.

Positions and Employment

2011-2016	Assistant professor/department of clinical pharmacy Faculty of Pharmacy/Jordan University of Science and Technology (JUST)/Irbid, Jordan
2016-2020	Associate professor/department of clinical pharmacy Faculty of Pharmacy/Jordan University of Science and Technology (JUST), Irbid, Jordan
2016-2017	Representative for the department of clinical pharmacy at the Faculty of pharmacy council, JUST
2017- 2019	Representative for the Faculty of Pharmacy at the University Council, JUST
2017-2019	Vice Dean of the Faculty of Graduate Studies, JUST
2020	Full professor/department of clinical pharmacy, JUST
2023-2024	Sabbatical leave, Dean of Faculty of Pharmacy at Yarmouk University, Jordan
2024-present	Sabbatical leave, Vice president for planning, quality and scientific research, Yarmouk University, Jordan

Professional Memberships

2005-present	Jordan Pharmaceutical Association
2009-2011	American Heart Association
2009-2010	American Physiological Society
2013-present	Associate faculty member, faculty of 1000 (F1000Prime.com), London/UK

University, Faculty and Department Memberships (JUST)

2016-2017	Member in the university students' affairs committee
2018-2019	Member in the university employee disciplinary action Committee
2017-2019	Member in faculty of graduate studies council
2017-2020	Member in the faculty accreditation and quality assurance committee
2017-2019	Member in the ACPE steering committee Accreditation council for pharmacy education (ACPE) (Chair of 2 sub-committees and member in another sub-committee of the steering committee)
2019-2020	Chair of the conferences committee
2020-2023	Chair for early education training committee
2013-2020	Chair and member in the department scientific research evaluation Committee
2014	Member in the department committee for modification Of clinical cases study syllabi
2016	Chair of department committee for modification of Therapeutic courses syllabi
2016-2019	Member of the department exam evaluation committee
2017-2023	Member in the pharmacy alumni committee
2019-2021	Chair of department quality control and assurance
2020-present	Member in the department graduate studies committee

2020-present	Chair of the department scientific research committee
2011-present	<p>Other faculty and department committees:</p> <ul style="list-style-type: none"> • Clinical Pharmacy and pharmacy practice committee (member) • Continuous education committee (member) • Community service committee (member) • Clinical training committee (member) • Scientific days and conferences committee (member) • Library committee (member) • Courses curricula committee (member) • Faculty electronic website (chair) • Courses quality assurance committee • Research evaluation committee • Promotion from assistant to associate professor committee (chair and member for 20 committees) • Sabbatical leave report evaluation (member in 5 committees) • Member in Clinical preceptor hiring and employment committee • Member in the foundation of the experimental pharmacology lab committee • Member in the employment of assistant professor committee at faculty of pharmacy

University, Faculty and Department Memberships (Yarmouk University)

2023-present	<p>Chair of the University artificial intelligence policy committee</p> <p>Chair of the Faculty of Pharmacy strategic planning committee</p> <p>Chair of the Faculty of Pharmacy teaching performance and exam evaluation committee</p> <p>Chair of the university development and strategic planning committee</p> <p>Chair of the strategic planning team</p> <p>Chair of the board of accreditation and quality assurance center</p> <p>Chair of the board of Refugee and forced migration center</p> <p>Member in the university steering committee for strategic planning</p> <p>Member in the University Council</p> <p>Member in the University community service committee</p> <p>Member in the University field training committee</p> <p>Member in the faculty of pharmacy field training committee</p> <p>Member in the faculty of pharmacy accreditation and quality assurance Committee</p>
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Teaching experiences

2011-present as a professor at college of pharmacy at Jordan University of Science and Technology:

- Therapeutics 1 for pharmacy students (phar 446)
- Cardiovascular system for Pharm D students (phar 444)
- Respiratory and gastrointestinal tract system for Pharm D students (phar 445)
- Drug literature evaluation for pharm D students (phar 517)
- Advanced therapeutics for master students (phar 742).
- Therapeutics for master students (phar 741)
- Therapeutics 1 for master students (phar 703)
- Current topics in clinical pharmacy for master students (phar 743)
- Drug Information for master students (phar 774)
- Clinical training: research rotation for pharm D students (phar 675)
- Clinical training: Cardiovascular system for pharm D students (phar 647)
- Community pharmacy rotation for pharmacy students (phar 401)
- Community pharmacy rotation for pharm D students (phar 402)
- Clinical seminar 2 for pharm D students (phar 667)
- Clinical seminar 2 for pharm D students (phar 668)
- Course coordinator for Clinical Cases 2 (phar 448)
- Founder for early experiential training course, Pharmacy training 1 (phar 202 for pharmacy and pharm D students).

2023-present at faculty of pharmacy at Yarmouk University:

- Community training for pharmacy students (PHARM 430)

Honors and Awards

Year	Award
2000	The academic excellence scholarship to pharmacy college as being one of the top students passed the Tawjihi high school examinations in Jordan with tuition and fees waiver, average of 94%, the Ministry of High Education in Jordan.
2000-2005	The dean's honor list (received 9 times between 2000-2005), college of pharmacy/Jordan University of Science and Technology
2000-2005	The president's honor list (received 8 times between 2000-2005) college of pharmacy/Jordan University of Science and Technology.
2004	The distinguished activities award at the Executive Board of King Abdullah II Fund for development, Jordan University of Science and Technology.
2005	The distinguished student award as ranked the first on class 2000 with cumulative average of 92%, college of Pharmacy/Jordan University of Science and Technology.

2006	Scholarship to the Molecular Medicine Ph.D program at Department of Circulation and Medical Imaging, Norwegian University of Science and Technology/Trondheim/Norway.
2007	Howard Hughes Scholarship to the Molecular Medicine Ph.D Program with tuition and fees waiver at Case Western Reserve University/Cleveland Clinic-Lerner College of Medicine/USA
2009	Best poster design and presentation; Case Cardiovascular Center Retreat, Case Western Reserve University, USA.
2009	Scholarship from Jordan University of Science and Technology to complete the requirements for the Ph.D program in Molecular Medicine at Case Western Reserve University, OH, USA
2010	The American Heart Association pre-doctoral fellowship award/USA.
2010	The Cleveland Clinic/Lerner Research Institute graduate student fellowship award for an outstanding manuscript in the area of basic science, USA.
2010	Appreciation Award for organizing the first Molecular Medicine retreat at Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, USA.
2011	The Doctoral Excellence Award in Molecular Medicine, Case Western Reserve University, OH, USA
2015	The best academic instructor at Faculty of Pharmacy at Jordan University of Science and Technology.
2017	Appreciation Award for organizing, speaking and moderating at the International Pharmacy Conference, JUST, Jordan.
2017	Honorary Trophy for organizing at the first Pharmacy Alumni Meeting, Faculty of Pharmacy, JUST, Jordan.
2017	Appreciation Award for moderating at the IBRO-MENA International conference and advanced school in Neurodegenerative disorders: translation into clinical neurology.
2018	Honorary Trophy for organizing the Graduate Students Research Conference, Faculty of Graduate Studies and Deanship of Research, JUST, Jordan.
2018	Honorary Trophy for organizing the five minutes' competition, Faculty of Graduate Studies, JUST, Jordan.
2018	Appreciation Award for speaking at the 3 rd international conference of research ethics: publication and authorship. JUST, Jordan.
2018	Venous International Health Care Award for outstanding research in clinical pharmacy, International Venous Foundation, India.
2018	Appreciation Award for an outstanding oral presentation at the Cardiology Congress; challenges in cardiology, Rome, Italy

2020	First and youngest Female at JUST received full promotion to Full professor with seniority (double point/fast track) since the university was established
2023	Honorary trophy and certificate of appreciation for speaking at the third scientific day of the faculty of pharmacy at Yarmouk University. Recent Trends in Pharmaceutical Research
2023	Appreciation Award for speaking at the 5th international multidisciplinary conference of pharmacy at faculty of pharmacy at Jordan University of Science and Technology
2024	Appreciation Award for organizing the five-minute thesis competition at Yarmouk University
2024	Appreciation Award in honor of the outstanding Jordanian woman at the national level, Yarmouk University, Jordan.

Academic Excellence

2014-2015 Best course instructor at faculty of pharmacy as voted by the
Graduated 2009 Pharm D class, Faculty of
Pharmacy, Jordan University of Science and Technology.

Research Support

1. European Pharmacogenetics Opioid Study group in Norway (EPOS)
01/01/2006-05/30/2007
Principal Investigator: Ola Dale
Role: Graduate Student
Topic: Oxycodone in chronic cancer pain: Significance of serum concentrations, metabolites and CYP2D6.
The grant funds researchers investigating the mechanisms of opioids variation in a large population of cancer patients. EPOS is organized through the EAPC (European Association for Palliative Care) research network.
2. Norwegian Cancer Society
05/30/07- 05/30/2010
Role: Graduate Student (principal investigator)
Topic: Oxycodone in chronic cancer pain: Significance of serum concentrations, metabolites and CYP2D6.
The grant funds projects aim to increase knowledge and understanding of cancer diseases, their prevention, treatment and rehabilitation; and to enhance their applications.
3. American Heart Association (AHA) pre-doctoral fellowship
07/01/2010 – 06/31/2012
Role: Graduate Student (principal investigator)
Topic: Impact of endothelin-1 signaling on atrial Ca²⁺ cycling and fibrosis

AHA fellow ships help graduate students initiate careers in cardiovascular and stroke research by providing research assistance and training.

4. Deanship of research at Jordan University of Science and Technology
2012-2013
Role: principal investigator of a faculty member research grant
Topic: The significance of circulating endothelin 1 as a marker of poor clinical prognosis in high risk ischemic heart disease patients
5. Deanship of research at Jordan University of Science and Technology
2012-2013
Role: principal investigator of a faculty member research grant
Topic: Impact of plasma endothelin 1 on the development of atrial fibrillation in hyperthyroid patients
6. Deanship of research at Jordan University of Science and Technology
2012-2013
Role: Co-principal Investigator of a thesis-oriented research grant
Topic: Melatonin prevents memory impairment induced by chronic sleep deprivation.
7. Deanship of research at Jordan University of Science and Technology
2013-2014
Role: principal investigator of a faculty member research grant
Topic: Practice and knowledge of physicians and pharmacists in Jordan regarding the cardio-protective use of aldosterone antagonists on patients with cardiovascular disease
8. Deanship of research at Jordan University of Science and Technology
2013-2014
Role: principal investigator of thesis-oriented research
Topic: Impact of high fat/high salt diet on myocardial oxidative stress
9. Deanship of research at Jordan University of Science and Technology
2014-2015
Role: principal investigator of thesis-oriented research
Topic: Evaluation of the use and clinical indications of angiotensin converting enzyme inhibitors or receptor antagonists in diabetic patients in the north of Jordan
10. Deanship of research at Jordan University of Science and Technology
2014-2015
Role: principal investigator of thesis-oriented research
Topic: Evaluation of the role of spironolactone on myocardial oxidative stress in rat model of streptozotocin-induced diabetes
11. Deanship of research at Jordan University of Science and Technology
2015-2016
Role: Co-principal Investigator of thesis-oriented research
Topic: Evaluation of the effect of melatonin on learning and memory impairment induced by high fat high carbohydrate diet in rats
12. Deanship of research at Jordan University of Science and Technology
2015-2017
Role: principal investigator of thesis-oriented research

Topic: Impact of statins use on vascular oxidative stress in patients with hyperlipidemia

- 13.** Deanship of research at Jordan University of Science and Technology
2016-2017
Role: principal investigator of thesis-oriented research
Topic: Cardiac Effects of omega-3 polyunsaturated fatty acids in rat model of streptozotocin-induced diabetes
- 14.** Deanship of research at Jordan University of Science and Technology
2016-2017
Role: co-principal investigator of thesis-oriented research
Topic: Evaluation of Omega-3 Effect on Sleep-Deprivation Induced Memory Impairment
- 15.** Deanship of research at Jordan University of Science and Technology
2017-2018
Role: principal investigator of a faculty member research grant
Topic: Cardiac and plasma effects of cigarette smoking in rat model of streptozotocin-induced diabetes
- 16.** Deanship of research at Jordan University of Science and Technology
2018-2019
Role: principal investigator of thesis-oriented research
Topic: Comparison of plasma and cardiac effects of water pipes, electronic cigarettes and cigarette tobacco smoking
- 17.** Deanship of research at Jordan University of Science and Technology
2018-2019
Role: principal investigator of thesis-oriented research
Topic: Impact of spironolactone on myocardial oxidative stress, inflammation and fibrosis in a rat model of hyperthyroidism
- 18.** Deanship of research at Jordan University of Science and Technology
2018-2020
Role: principal investigator of thesis-oriented research
Topic: The role of fish oil in attenuating cardiac inflammation, oxidative stress and remodeling in hyperthyroid rats
- 19.** Deanship of research at Jordan University of Science and Technology
2018-2020
Role: Co-principal Investigator of faculty member research
Topic: Cardiotoxicity and Genotoxicity of Brominated Vegetable Oil
- 20.** Deanship of research at Jordan University of Science and Technology
2018-2020
Role: Co-principal Investigator of faculty-oriented research
Topic: Evaluating the protective effect of edaravone on memory impairment induced by hyperhomocysteinemia.

21. Deanship of research at Jordan University of Science and Technology
2018-2020
Role: principal Investigator of faculty member research
Topic: Deanship of research at Jordan University of Science and Technology 2018-2020
Role: Co-principal Investigator of faculty-oriented research

22. Deanship of research at Jordan University of Science and Technology
2019-2021
Role: Co-principal Investigator of faculty-oriented research
Topic: Assessment of hospital pharmacists' knowledge, attitudes and barriers for pharmaceutical care practice in Jordan

23. Deanship of research at Jordan University of Science and Technology
2019-2022
Role: Principal Investigator of faculty-oriented research
Topic: Evaluating molecular and clinical outcomes and prognosis of coronary artery disease in patients with diabetes undergoing coronary revascularization

24. Deanship of research at Jordan University of Science and Technology
2020-2022
Role: Principal Investigator of thesis-oriented research
Topic: Lipoprotein A (Lp-A) level as a predictor of Atherosclerotic Cardiovascular Diseases (ASCVDs) risk and prognosis

- 25 . Deanship of research at Jordan University of Science and Technology
2020-2022
Role: Principal Investigator of thesis-oriented research
Topic: Cardiac effects of atorvastatin in rat model of streptozotocin-induced diabetes.

26. Deanship of research at Jordan University of Science and Technology
2020-2022
Role: Principal Investigator of faculty-oriented research
Topic: Comparison of clinical characteristics, complications, and mortality between COVID-19 patients with diabetes and/or cardiovascular diseases and those without underlying diseases

- 27 . Deanship of research at Jordan University of Science and Technology
2020-2022
Role: Principal Investigator of faculty-oriented research
Topic: Parental willingness to COVID-19 vaccination among children under 12 years old in Jordan

28. Deanship of research at Jordan University of Science and Technology
2022-2024
Role: Principal Investigator of faculty-oriented research
Topic: Renal effects of atorvastatin in rat model of streptozotocin-induced diabetes.

29. Deanship of research at Jordan University of Science and Technology
2023-2024
Role: Principal Investigator of thesis-oriented research
Topic: comparison of the cardio protective effects between Liraglutide and Dapagliflozin in a rat model of diabetes induced by streptozotocin.

30. Deanship of research at Jordan University of Science and Technology
2023-2025
Role: Principal investigator of sabbatical leave research
The neutrophil gelatinase-associated lipocalin level as a predictor of atherosclerotic cardiovascular disease (ASCVD) risk and severity
31. Deanship of research at Jordan University of Science and Technology
2024-2026
Role: Principal investigator of sabbatical leave research
The significance of the pregnancy-associated plasma protein A and insulin like growth factor-1 system on the risk of atherosclerotic cardiovascular disease (ASCVD) risk and severity

Research interests

My research is focused on understanding pharmacology and therapeutics of cardiovascular disorders and their interaction with endocrine disorders such as diabetes, thyroid and renal dysfunctions. Assess the molecular mechanisms of cardiovascular diseases (heart failure, atrial fibrillation, hypertension, ischemic heart disease) using both human and animal models. Assess the effects of diabetes and smoking on development of cardiovascular diseases. Evaluate the utility of plasma biomarkers as predictors of cardiovascular or endocrine diseases. Evaluate the mechanisms of actions of cardiovascular medications on human disease and substrates. Evaluate current practices and knowledge related to use of cardiac medications. Assess the impact of dietary fatty acids, omega 3 fatty acids and salt on myocardial inflammation/oxidative stress and remodeling. Develop therapeutic interventions that may enhance diagnosis or treatment of human patients with cardiovascular disease. Evaluate the role of antioxidants and drugs on cardiac function.

References

- David Van Wagoner, PhD: Associate professor, Cleveland Clinic/Lerner Research Institute, USA. E-mail: vanwagd@ccf.org
- Christine Moravec, Ph.D: Associate professor, Cleveland Clinic/Lerner Research Institute, USA. E-mail: Moravecs@ccf.org
- Mina Chung, M.D: Associate professor, Cleveland Clinic/Heart Center, USA. E-mail: Chungm@ccf.org
- Dr.Mark Niebauer, M.D, Ph.D: Associate professor, Cleveland Clinic/Heart Center, USA. E-mail: Niebauerm@ccf.org
- Jonathan Smith, Ph.D: Associate professor, Cleveland Clinic/Lerner Research Institute, USA. E-mail: Smithj@ccf.org
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- Islam Massad, MD: Full professor, Faculty of Medicine, Jordan University, Jordan. E-mail: i_massad@ju.edu.jo

Publications

1. **Fadia Mayyas**, Peter Fayer, Stein Kassa, and Ola Dale. A systematic review of oxymorphone in the management of chronic pain. *J Pain Symptom Manage. J Pain Symptom Manage.* 2010 Feb;39(2):296-308. doi: 10.1016/j.jpainsymman.2009.07.010. Review.
2. **Fadia Mayyas**, Mark Niebauer, Mark Gillinove, John Barnard, Mina Chung, and David Van Wagoner. Association of left atrial endothelin-1 with atrial rhythm, size and fibrosis in patients with structural heart disease. *Circ Arrhythm Electrophysiol.* 2010 Aug;3(4):369-79. doi: 10.1161/CIRCEP.109.924985. Epub 2010 May 21.
3. **Fadia Mayyas**, Seiichiro Sakurai, Rashmi Ram, Julie Rennison, E.S. Hwang, Laurie Castel, Beth Lovano, Marie-Luise Brennan, Douglas Bibus, Bill Lands, John Barnard, Mina K. Chung and David R. Van Wagoner. Dietary ω 3 fatty acids modulate the substrate for postoperative atrial fibrillation in a canine cardiac surgery model. *Cardiovasc Res.* 2011 Mar 1;89(4):852-61. doi: 10.1093/cvr/cvq380. Epub 2010 Nov 30.
4. **Fadia Mayyas**, Sturey T and David Van Wagoner. Baroreflex Stimulation Versus Renal Denervation for Treatment of Hypertension: What Constitutes a Logical Comparison of These Interventions on Atrial Electrophysiology? *J Cardiovasc Electrophysiol.* 2013 Sep;24(9):1034-6. doi: 10.1111/jce.12185. Epub 2013 Jun 17.
5. **Fadia Mayyas**, Karem Alzoubi and David Van Wagoner. Impact of aldosterone antagonists on the substrate for atrial fibrillation: Aldosterone promotes oxidative stress and atrial structural/electrical remodeling. *Int J Cardiol.* 2013 Oct 15;168(6):5135-42. doi: 10.1016/j.ijcard.2013.08.022. Epub 2013 Aug 15. Review.
6. Karem H. Alzoubi, Omar F. Khabour, Sayer I. Al-azzam, **Fadia Mayyas**. The Role of Multidrug Resistance-1 (MDR1) Variants in Response to Fexofenadine among Jordanians. *Int J Clin Pharmacol Ther.* 2013 Nov;51(11):880-7. doi: 10.5414/CP201968.
7. Karem H. Alzoubi, Omar F. Khabour, Sayer I. Al-azzam, **Fadia Mayyas**, Nizar Mhaidat. The Role of Multidrug Resistance-1 (MDR1) Variants in Response to atorvastatin among Jordanians. *Cytotechnology.* 2015 Mar;67(2):267-74. doi: 10.1007/s10616-013-9682-z. Epub 2014 Jan 11.
8. **Fadia Mayyas**, Mohammad Aljarrah, Khalid Ibrahim, Karem Alzoubi. Level and significance of plasma myeloperoxidase and the neutrophils to lymphocytes ratio in patients with coronary artery disease. *Exp Ther Med.* 2014 Dec;8(6):1951-1957. Epub 2014 Oct 17.
9. **Fadia Mayyas**, Mohammad Aljarrah, Khalid Ibrahim, David Van Wagoner. The significance of circulating endothelin-1 as a predictor of coronary artery disease status and clinical outcomes following coronary artery catheterization. *Cardiovasc Pathol.* 2015 JanFeb;24(1):19-25. doi:10.1016/j.carpath.2014.08.004. Epub 2014 Aug 15.
10. **Fadia Mayyas**, Karem H. Alzoubi, Zahraa Al-Taleb. An evaluation of the effect of pentoxifylline on blood pressure and myocardial oxidative status following intake of western diet. *Clinical and Experimental Hypertension*, 2015;37(8):666-73. Epub 2015 Jul 7.

11. *Khalid Ibrahim, Khalid Kherallah, Nizar AlWaqfi, **Fadia Mayyas**, Sager Abdallat, Murtada Alawami.* Predictors of acute kidney injury after coronary artery surgery in Jordanians. *Asian Cardiovascular and Cardiothoracic Annals*, 2015 Jul;23(6):684-9. Epub 2015 May4.
12. *Karem H.Alzoubi, **Fadia Mayyas**, Omar F. Khabour, Fatima Bani Salameh, Farah AlHashimi, Nizar Mhaidat.* Chronic melatonin treatment prevents memory impairment induced by chronic sleep deprivation. *Molecular Neurobiology*, 2016 Jul;53(5):3439-47. doi: 10.1007/s12035-015-9286-z. 2015 Epub ahead of print.
13. ***Fadia Mayyas**, Alzoubi KH, Bonyan R.* The role of spironolactone on myocardial oxidative stress in rat model of streptozotocin-induced diabetes. *Cardiovasc Ther.* 2017 Apr;35(2). doi: 10.1111/17555922.12242.
14. ***Fadia Mayyas**, Alzoubi KH, Al-Taleb Z.* Impact of high fat/high salt diet on myocardial oxidative stress. *Clin Exp Hypertens.* 2017;39(2):126-132. doi: 10.1080/10641963.2016.1226894. Epub 2017 Feb 28.
15. *Ibrahim KS, **Fadia Mayyas**, Kheirallah K, AlWaqfi NR, Van Wagener DR.* Is Left Atrial Size a Predictor of Mortality after Coronary Artery Bypass Surgery? A Single Center Study. *Acta Cardiol Sin.* 2017 Mar;33(2):195-203.
16. *Omar Gammoh, **Fadia Mayyas**, Feras Darwish Elhajji.* Chlorpheniramine and escitalopram: Similar antidepressant and nitric oxide lowering roles in a mouse model of anxiety. *Biomed Rep.* 2017 Jun;6(6):675-680.
17. ***Fadia Mayyas**, Waed Bataineh, Anan Jarab.* Evaluating the prescription of angiotensin converting enzyme inhibitors or receptors blockers in patients with diabetes in Jordan. *Endocr Pract.* 2017 Nov;23(11):1289-1296. doi: 10.4158/EP171917.OR. Epub 2017 Aug 17.
18. ***Fadia Mayyas**, Khalid Ibrahim, Karem Alzoubi.* Awareness of physicians and pharmacists of aldosterone antagonists in heart failure and myocardial infarction in Jordan. *Pharm Pract (Granada).* 2017 JulSep;15(3):994. doi: 10.18549/PharmPract.2017.03.994. Epub 2017 Sep 3.
19. *Alzoubi KH, **Fadia Mayyas**, Mahafzah R, Khabour OF.* Melatonin prevents memory impairment induced by high-fat diet: Role of oxidative stress. *Behav Brain Res.* 2018 Jan 15;336:93-98. doi: 10.1016/j.bbr.2017.08.047. Epub 2017 Sep 1.
20. ***Fadia Mayyas**, Duha Baydoun, Rasheed Ibdah.* Atorvastatin reduces plasma inflammatory and oxidant biomarkers in patients with risk of atherosclerotic cardiovascular disease. *J Cardiovasc Pharmacol Ther.* 2018 May;23(3):216-225. doi: 10.1177/1074248417753677. Epub 2018 Jan 17.
21. ***Fadia Mayyas**, Roa Jaradat, Karem Alzoubi.* Cardiac effects of fish oil on rat model of streptozotocin induced diabetes. *Nutr Metab Cardiovasc Dis.* 2018 Jun;28(6):592-599. doi: 10.1016/j.numecd.2018.02.012. Epub 2018 Feb 25.
22. *Alqudah S, Jarab AS, Alefishat EA, **Fadia Mayyas**, Khmour M, Pinto S.* Factors associated with poor Hemoglobin A1c control in Patients with Type 2 Diabetes. *Curr Diabetes Rev.* 2019;15(2):164-170. doi: 10.2174/1573399814666180510144858.
23. *Khalid Alani, **Fadia Mayyas**, Mohammad Alkhatatbeh.* Vitamin D is a potential antidepressant in musculoskeletal pain. *Int J Clin Pharmacol Ther.* 2018 Sep;56(9):400-410. doi: 10.5414/CP203252.

24. **Fadia Mayyas**, Karme Alzoubi. Cardiac effects of tobacco cigarette smoking on rat model of diabetes. *Life Sciences*, 2018. Oct 15;211:279-285. doi: 10.1016/j.lfs.2018.09.038. Epub 2018 Sep 20.
25. **Fadia Mayyas**, Nesreen Saadeh, Kusai Al-Moqbil, David R Van Wagoner. Plasma endothelin 1 are increased in atrial fibrillation patients secondary to hyperthyroidism. *PLoS One*. 2018 Dec 4;13(12):e0208206. doi: 10.1371/journal.pone.0208206. eCollection 2018.
26. Karem Alzoubi, Zuhair A Hasan, Omar khabour, **Fadia Mayyas**, Omar Yacoub, Saleem Bani Hani, Mohammad Azab, Nasr Alrabadi. The effect of high fat diet on seizure threshold in rats: role of oxidative stress. *Physiol Behav*. 2018 Nov 1;196:1-7. doi: 10.1016/j.physbeh.2018.08.011. Epub 2018 Aug.
27. **Fadia Mayyas**, Karem Alzoubi. Impact of cigarette smoking on inflammation and fibrosis in diabetic kidneys. *Inhal Toxicol*. 2019 Apr 4:1-7. doi: 10.1080/08958378.2019.1597219.
28. Laiali Alquraan, Karem Alzoubi *, Hana Hammad, Suzie Rababa'h, **Fadia Mayyas**. Omega-3 Fatty Acids Prevent Post-Traumatic Stress Disorder-Induced Memory Impairment. *Biomolecules*. 2019 Mar 12;9(3). pii: E100. doi: 10.3390/biom9030100.
29. Karem Alzoubi, Zuheir Hasan, Omar Khabour, **Fadia Mayyas**, Omar Al Yacoub, Saleem Banihani, Mahmoud Alomari, Nasr Alrabadi. Vitamin E Modifies High-Fat Diet-Induced Reduction of Seizure Threshold in Rats: Role of Oxidative Stress. *Physiol Behav*. 2019 Jul 1;206:200-205. doi: 10.1016/j.physbeh.2019.04.011. Epub 2019 Apr 13.
30. Karem Alzoubi, **Fadia Mayyas**, Hamza Zamzam. Omega-3-fatty acids protects against chronic sleep-deprivation induced memory impairment. *Life Sci*. 2019 Jun 15;227:1-7. doi: 10.1016/j.lfs.2019.04.028. Epub 2019 Apr 15.
31. Kusai Al-Moqbil, **Fadia Mayyas**. Value of On-Demand Combined Tc99m Pertechnetate/Radioiodine Thyroid Uptake in Thyrotoxicosis Evaluation: Single Center Prospective Study. *International nuclear medicine*. 2019, Under review.
32. **Fadia Mayyas**, Ahmad Aljuhmani, Karem Alzoubi. Impact of spironolactone on myocardial oxidative status, inflammation and remodeling in a rat model of hyperthyroidism. *Curr Mol Pharmacol*. 2020;13(3):206-215. doi: 10.2174/1874467212666191113150553.
33. Khalid Ibrahim, **Fadia Mayyas**, Nizar Alwaqfi. Predictors of short term mortality following heart valve surgery: A single center study. *Asian Cardiovasc Thorac Ann*. 2015 Jul;23(6):684-9. doi: 10.1177/0218492315583188. Epub 2015 May 4.
34. Omar Gammoh, **Fadia Mayyas**, Feras Darwish Elhajji, Amalia Mayyas. Valerian/hops prevents stress-induced oxidative stress in mice model of anxiety: a cross talk with sedation. *Fitoterapia*, 2020. Under review.
35. Ibrahim KS, Kheirallah KA, **Fadia Mayyas**, Alwaqfi NA .Predictors of Acute Kidney Injury Following Surgical Valve Replacement. *Thorac Cardiovasc Surg*. 2020 Jul 25. doi: 10.1055/s-0040-1710318.
36. Al-Omoush TK, Alzoubi KH, Khabour OF, Alsheyab FM, Abu-Siniyeh A, Al-Sawalha NA, **Fadia Mayyas**, Cobb CO, Eissenberg T .The *CHRNA5* Polymorphism (rs16969968) and its Association with Waterpipe Smoking Addiction among Jordanians. *Arab J Basic Appl Sci*. 2020;27(1):450-455. Epub 2020 Nov 24.

37. Alzoubi KH, Aburashed ZO, **Fadia Mayyas**. Edaravone protects from memory impairment induced by chronic L-methionine administration. Naunyn Schmiedebergs Arch Pharmacol. 2020 Jul;393(7):1221-1228. doi: 10.1007/s00210-020-01827-z. Epub 2020 Jan 27.
38. **Fadia Mayyas**, Aldawod H, Alzoubi KH, Khabour O, Shihadeh A, Eissenberg. Comparison of the cardiac effects of electronic cigarette aerosol exposure with waterpipe and combustible cigarette smoke exposure in rats. T.Life Sci. 2020 Jun 15;251:117644. doi: 10.1016/j.lfs.2020.117644. Epub 2020 Apr 5.
39. **Fadia Mayyas**, Alsaheb A, Alzoubi KH The role of fish oil in attenuating cardiac oxidative stress, inflammation and fibrosis in rat model of thyrotoxicosis. Heliyon. 2019 Dec 4;5(12):e02976.
40. KS Ibrahim, KA Kheirallah, **Fadia Mayyas**, NR Alwaqfi, MH Alawami .Predictors of short-term mortality after rheumatic heart valve surgery: A single-center retrospective study. Annals of Medicine and Surgery. 2021 62, 395-40.
41. **Fadia Mayyas**, Khalid Ibrahim. Predictors of mortality among patients with diabetes. BMC Endocr Disord. 2021 Oct 12;21(1):200. doi: 10.1186/s12902-021-00866-8
42. **Fadia Mayyas**, Eman Bani Omar. Plasma lipoprotein A and tissue plasminogen activator as predictors of atherosclerotic cardiovascular diseases risk. Heliyon. 2022 Jun 30;8(7):e09836. doi: 10.1016/j.heliyon.2022.e09836.
43. Khalid Ibrahim, **Fadia Mayyas** et al. Atrial fibrillation after rheumatic heart valve surgery: incidence, predictors, and outcomes. Thorac Cardiovasc Surg. 2022 Feb 2. doi: 10.1055/s-0041-1740985.
44. **Fadia Mayyas**, Karem Alzoubi. Awareness and Knowledge of Manuscript Structure and Research Integrity Among Graduate Students. Heliyon, 2022, under review.
45. **Fadia Mayyas**, Mais Tashtoush, Zeid Tashtoush. Predictors of mortality and ICU stay among COVID-19 patients in Jordan. Infect Prev Pract. 2023 Jun;5(2):100278. doi: 10.1016/j.infpip.2023.100278. Epub 2023 Mar 20
46. **Fadia Mayyas**. Parental willingness to COVID-19 vaccination among children under 12 years old in Jordan. Journal of Pharmaceutical health research services. Volume 14, Issue 2, June 2023, Pages 103–111, <https://doi.org/10.1093/jphsr/rmad022>.
47. **Fadia Mayyas**, Khalid Ibrahim. Evaluating plasma galectin-3 levels in patients with an increased risk of atherosclerotic cardiovascular disease who underwent coronary artery revascularization. The American Journal of Cardiology. 2023 Jul 21;203:73-80.doi: 10.1016/j.amjcard.2023.06.108.
48. **Fadia Mayyas** et al. Evaluating plasma endothelin-1 and clinical outcomes of coronary artery disease in patients with diabetes undergoing coronary revascularization. Heliyon, 2024 Sep 11;10(18):e37777. doi: 10.1016/j.heliyon.2024.e37777.
49. **Fadia Mayyas**. Renal effects of short-term atorvastatin in a rat model of streptozotocin-induced diabetes. Diabetes and Metabolic disorders. 2024 Dec 16;24(1):12. doi: 10.1007/s40200-024-01514-3.

50. **Fadia Mayyas**. Plasma neutrophil gelatinase-associated lipocalin level as a predictor of Atherosclerotic Cardiovascular Disease risk and severity. *Microvasc Res.* 2025 May;159:104797. doi: 10.1016/j.mvr.2025.104797.
51. **Fadia Mayyas, Anoud Omeish**. Comparison of the cardioprotective effects of liraglutide, dapagliflozin and their combination in a rat model of diabetes induced by streptozotocin. *Life Sci.* 2025 Aug 15;375:123721. doi: 10.1016/j.lfs.2025.123721.
52. Alsheraideh R, Alsheraideh M, Al-Nasser A, Malkawi H, Matouq A, Mohammad O, Eyad A, **Fadia Mayyas**, AbuHwaige R. Learning-Based Analysis of Cancer Incidence in Jordan (2020-2021). *EJASA*, 2025. Accepted.

Conferences, Scientific Presentations and Published Abstracts

1. The international staff training week-Erasmus+ program. University of Tuscia, Italy. 16-20 Dec, 2024.
2. The 1st national drug security conference: safeguarding sustainability. 2-3/11/2024, Grand Hayat Amman, Jordan.
3. The 16th Jordanian pharmaceutical conference: Pharmacy profession in the bicentennial "A future vision". 14-16/9/2023, Landmark hotel, Amman, Jordan.
4. **Fadia Mayyas**. Role of endothelin-1 in cardiovascular disease: New insights into the risk of atrial fibrillation in hyperthyroidism. The **5th International Conference of the Faculty of Pharmacy** at Jordan University of Science and Technology. 8-9/6/2023. Irbid, Jordan.
5. **Fadia Mayyas**. Novel biomarkers for risk assessment of atherosclerotic cardiovascular disease in patients undergoing coronary artery revascularization. **The third scientific day of faculty of pharmacy at Yarmouk University. Recent Trends in Pharmaceutical Research.** 9-10/June, 2023. The Yarmouk University. Irbid, Jordan.
6. **The 1st scientific day for faculty of pharmaceutical sciences, Lights on pharmacy practice.** 30 June, 2022. The Hashemite University. Zarqa, Jordan.
7. **The 6th International conference on Ethics in Jordan and the MENA and IBRO-MENA international conference on neuroscience.** August 5-6, 2021. Jordan University of Science and Technology. Zoom meeting.
8. **The 4th International Conference on Research Ethics.** 5 Nov, 2019. Jordan University of Science and Technology.
9. **Fadia Mayyas**. Guideline directed medical therapy for treatment of lower extremities PAD. **Challenges and Opportunities in Diagnosing, Monitoring and Treating Peripheral Arterial Disease and Diabetic Foot Syndrome. December 5, 2018. Colombia Global Center. Amman, Jordan.**
10. **Fadia Mayyas, Nesreen Saadeh, Kusai Almoqbil.** Role of endothelin 1 in cardiovascular disease: new insights into the risk of atrial fibrillation in hyperthyroid patients. **Challenges in Cardiology/Cardiology Congress, 16-18 August 2018, Rome, Italy.**
11. **Fadia Mayyas, Karem Alzoubi.** Knowledge and awareness of manuscript structure and research integrity among graduate students at JUST. **The Third International Conference on Research Ethics: Publication and Authorships.** July 3rd 2018. Jordan University of Science and Technology.
12. **Graduate Students Research Conference.** 18 April 2018. Faculty of Graduate Studies and Deanship of Research, Jordan University of Science and Technology.

13. **Career Paths 2018.** 15 February 2018. Faculty of Pharmacy, Jordan University of Science and Technology.
14. **The IBRO-MENA International conference and advanced School in neurodegenerative disorders: translation into clinical Neurology.** 19-24 Nov 2017. Faculty of Pharmacy, Jordan University of Science and technology. Irbid/Jordan.
15. **The first Conference of Faculty of Pharmacy. New trends in pharmacy between science and industry.** 22-23 November 2017 Faculty of Pharmacy, Yarmouk University. Irbid/Jordan.
16. **The first scientific day of Faculty of Pharmacy.** September 2017 Faculty of Pharmacy, Yarmouk University. Irbid/Jordan.
17. **The 9th Scientific Conference of Faculty of Medicine “JUST to adjust your health: Time to give back to the community”.** 18-19 October 2017. King Abdullah University Hospital. Jordan University of Science and Technology, Irbid, Jordan.
18. **Fadia Mayyas, Duha Baydoun, Rasheed Ibdah.** Atorvastatin reduces plasma inflammatory and oxidant biomarkers in patients with risk of atherosclerotic cardiovascular disease. **JUST International Pharmacy Conference, 2-4 August 2017, Jordan University of Science and Technology, Irbid/Jordan.**
19. **Fadia Mayyas, Mohammad Aljarrah, Khalid Ibrahim, David Van Wagoner.** The significance of circulating endothelin-1 as a predictor of coronary artery disease status and clinical outcomes following coronary artery catheterization. International Journal of Molecular medicine 2014;34(Supp1):S40. Spandidos Congress (19th World Congress on Advances in Oncology and the 17th International Symposium in Molecular Medicine, Athens/Greece) 9-11 Oct/2014.
20. **Fadia Mayyas, Mohammad Aljarrah, Khalid Ibrahim, David Van Wagoner.** The significance of circulating endothelin-1 as a predictor of coronary artery disease status and clinical outcomes following coronary artery catheterization. **The scientific 7th day of college of pharmacy, 2014, Jordan University of Science and Technology, Irbid/Jordan.**
21. **The first scientific clinical pharmacy day. King Abdullah University Hospital and Jordan University of science and Technology. 2011. Irbid/Jordan.**
22. **Fadia Mayyas, Reza Wakili, Julie H. Rennison, Sebastian Clauss, Kristin Dawson, Xiaoyan Qi, Stanley Nattel and David Van Wagoner.** Enhanced Atrial Endothelin-1 Expression May Contribute To Atrial Fibrosis During The Onset Of Ventricular Tachypacing Induced Heart Failure. Heart Rhythm. 2011;8(5):S471. **32nd Heart Rhythm scientific sessions, CA/USA**
23. **Fadia Mayyas, Mark Niebauer, Johnathan Smith, John Barnard, Mina Chung, and David Van Wagoner.** Regulation of plasma endothelin-1 levels by chromosome 4q25 SNP associated with atrial fibrillation. J. Am. Coll. Cardiol. 2010;55:A130.E1213, USA. **The American College of Cardiology (ACC.10) 59th annual scientific sessions, Atlanta/USA, 2010.**

24. **Fadia Mayyas**, Seiichiro Sakurai, Mark Neibauer, Mina Chung and David Van Wagoner. Impact of dietary fish oil on the atrial endothelin system and inositol triphosphate signaling: relevance to post-operative atria fibrillation. *FASEB J. April 2010 24, 622.6, USA. Experimental Biology annual meeting, Anaheim/USA, 2010.*
25. **Fadia Mayyas**, Seiichiro Sakurai, Mark Neibauer, Mina Chung and David Van Wagoner. Role of Endothelin system in normal and fibrillating atria. **First Molecular Medicine Retreat. Cleveland/USA, 2010.**
26. Seiichiro Sakurai, **Fadia Mayyas**, Rashmi Ram, Julie Rennison, E.S. Hwang, Laurie Castel, Beth Lovano, Marie-Luise Brennan, Douglas Bibus, Bill Lands, Mina K. Chung and David R. Van Wagoner. Antiinflammatory effects of omega-3 fatty acids contribute to antiarrhythmic efficacy. 2010;7(5 (Supplement)):S293-S . **31st Heart Rhythm scientific sessions, USA, 2010.**
27. **Fadia Mayyas**, Mark Niebauer, Mark Gillinove, John Barnard, Andrew Zurick, Mina Chung, and David Van Wagoner. Association of left atrial endothelin-1 with atrial rhythm, size and fibrosis in AF patients with structural heart disease. **Case Cardiovascular Research Center Retreat. Cleveland/USA, 2009.**
28. **Fadia Mayyas**, Seiichiro Sakurai, Mark Neibauer, Mina Chung and David Van Wagoner. Impact of dietary fish oil on the atrial endothelin system and inositol triphosphate signaling: relevance to post-operative atrial fibrillation. **Lerner Research Institute Retreat.Cleveland/USA, 2009.**
29. Seiichiro Sakurai, MD, Eui Seock Hwang, MD, Don W. Wallick, PhD, Rashmi Ram, PhD, Beth Bunnell, BS, Laurie Castel, BS, **Fadia Mayyas**, MS, Julie H. Rennison, PhD and David Van Wagoner, PhD. Autonomic and anti-arrhythmic effects of perioperative omega-3 supplementation Heart Rhythm. 2009;6(5 (Supplement)):S362-S3. **30th Heart Rhythm scientific sessions, USA, 2009.**
30. The First Scientific Day in Clinical Pharmacy/King Abdullah University Hospital, **Irbid/Jordan, 2011.**
31. Cleveland Clinic foundation/Heart Center Research day, **Ohio/USA, 2008-2010.**
32. Cleveland Clinic Foundation 2009 Heart Drive, **Ohio/USA, September 2009.**
33. The 5TH EACTS/ESTS joint meeting, **Stockholm, Sweden. September, 2006.**
34. The SATS and SCANCET conference. **Bergen, Norway, August, 2005.**

Faculty of 1000 publications (F1000 prime)

F1000 prime is a post publication review of published articles to ensure that the highest quality research is comprehensively and systematically evaluated. F1000 prime identifies great research in biology and medicine for researchers to read in the form of published recommendation (comments/editorial).

Role: associate faculty member who works with the faculty member David Van Wagoner, PhD, to recommend scientific literature in the field of pharmacology and drug discovery/cardiovascular pharmacology.

F1000 prime Publications:

1. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Lian H et al., Int J Cardiol 2015, 184C:28-35]. In F1000Prime, 08 Apr 2015; DOI:10.3410/f.725379462.793505403.F1000Prime.com/725379462#eval793505403
2. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Aggarwal P et al., PLoS ONE 2014, 9(9):e108051]. In F1000Prime, 05 Nov 2014; DOI: 10.3410/f.718888532.793501197. F1000Prime.com/718888532#eval793501197
3. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Heiden S et al., PLoS ONE 2014, 9(2):e88730]. In F1000Prime, 02 Sep 2014; DOI: 10.3410/f.718275870.793499248. F1000Prime.com/718275870#eval793499248
4. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Lavall D et al., J Biol Chem 2014]. In F1000Prime, 20 Mar 2014; DOI: 10.3410/f.718254243.793492332. F1000Prime.com/718254243#eval793492332
5. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Oelze M et al., Eur Heart J 2013, 34(41):3206-16]. In F1000Prime, 31 Dec 2013; DOI: 10.3410/f.718164318.793488533. F1000Prime.com/718164318#eval793488533
6. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Ulu A et al., J Cardiovasc Pharmacol 2013, 62(3):285-297]. In F1000Prime, 02 Oct 2013; DOI: 10.3410/f.718108604.793484466. F1000Prime.com/718108604#eval793484466.
7. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Huby AC et al., Circulation 2015, 132(22):2134-45]. In F1000Prime, 28 Oct 2015; DOI: 10.3410/f.725782690.793510267. F1000Prime.com/725782690#eval793510267.
8. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Tinker A et al., Pharmacol Res 2016, 105:54-61]. In F1000Prime, 26 Feb 2016; DOI: 10.3410/f.726079330.793514718. F1000Prime.com/726079330#eval793514718.
9. *Van Wagoner D and Mayyas F*: F1000Prime Recommendation of [Olivier A et al., Int J Cardiol 2017]. In F1000Prime, 13 Mar 2017; DOI: 10.3410/f.727376798.793529375. F1000Prime.com/727376798#eval793529375

Reviewer

1. Life Sciences (outstanding reviewer)
2. Heart Rhythm (outstanding and recognized reviewer)
3. International Journal of Cardiology
3. Journal of Cardiovascular Pharmacology and Therapeutics.
4. Molecular Medicine Reports
5. International Journal of Molecular Medicine
6. Renin Angiotensin Aldosterone System Journal
7. European Journal of Internal Medicine
8. European Journal of Inflammation
9. Canadian Journal of Cardiology

10. Archives of Medical Research Journal
11. PLOSe one
12. Experimental and Therapeutic Medicine
13. Biomedical Reports
14. Oncology Reports
15. Acta Cardiologica Sinica
16. Journal of Science and Technology
17. Jordan Journal of Pharmaceutical sciences
18. International Journal of Nanomedicine
19. Journal of Inflammation Research
20. Tobacco Induced Diseases.
21. Therapeutic Advances in Endocrinology and Metabolism
22. Clinical and Experimental Pharmacology and Physiology
23. Heliyon
24. International Journal of Cardiology
25. Archives of Toxicology
26. Journal of Nutritional Biochemistry
27. Frontiers in Cardiovascular Medicine
28. Journal of Women and Health
29. Therapeutics and clinical risk management
30. Annals of Medicine and Surgery
31. Jordan Journal of Pharmaceutical Sciences
32. Angiology

Promotion committees

1. Faculty of Pharmacy promotion committee (Chair)
Dr. Nour Sawalha, Dr. Sherin Nusair, Dr. Bilal Alhusani
Dr. Shorooq Al-Tawalbeh, Dr. Mohammad Alkhatatbeh, Dr. Abeer Rabab'h
Dr. Mohammad Alqudah, Dr. Shereen Nusair
2. Faculty of Pharmacy promotion committee (member):
Dr. Basima Almomani, Dr. Mera Ababneh, Dr. Qais Al Eifan
Dr. Nehad Ayoub, Dr. Abeer Rababa'h, Dr. Maha Al-Kailani
Dr. Nour Sawalha, Dr. Omar Ghammouh
3. Faculty of Pharmacy sabbatical leave evaluation committee (member):
Dr. Tareq Almukattash, Dr. Nizar Mhaidat, Dr. Ahmad Alkofahi
Dr. Shereen Assaf, Dr. Maha AlKailani, Dr. Nour Sawalha

Master Students' Thesis Committee

1. Zahraa Altaieb, 2013, Principal investigator, JUST/School of Pharmacy: Impact of high fat/high salt diet on myocardial oxidative stress
2. Fatmeh Bani salameh, 2013, Co-investigator, JUST/School of Pharmacy: Melatonin prevents memory impairment induced by chronic sleep deprivation
3. Rwaida albnayyan, 2015, Principal investigator, JUST/School of Pharmacy: Evaluation of the role of spironolactone on myocardial oxidative stress in rat model of streptozotocin-induced diabetes

4. Waad Batayneh, 2015, principal investigator, JUST/School of Pharmacy: Evaluation of the use and clinical indications of angiotensin converting enzyme inhibitors or receptor antagonists in diabetic patients in the north of Jordan
5. Duha Baydoun, 2016, Principal investigator, JUST/School of Pharmacy: Impact of statins use on vascular oxidative stress in patients with hyperlipidemia (this student won the 2nd place for best master thesis at JUST for 2017). ***Duha won the 2nd place for best master thesis for 2016 at JUST and 3rd place for best presentation at graduate students' conference at JUST 2018.***
6. Rania Mahafthah, 2016, Co-investigator, JUST/School of Pharmacy: Evaluation of the effect of melatonin on learning and memory impairment induced by high fat high carbohydrate diet in rats
7. Roaa Jaradat, 2017, Principal investigator, JUST/School of Pharmacy: Cardiac effects of omega 3 polyunsaturated fatty acids in rat model of streptozotocin induced diabetes. ***Roa won the 2nd place for best presentation at Graduate students conference 2018 and best master thesis among JUST graduate females for 2018.***
8. Hamzah abo Zamzam, 2017, Co-investigator, JUST/School of Pharmacy: Evaluation of omega 3 effect on sleep deprivation induced memory impairment.
9. Hala Aldawood, 2018, Principal investigator, JUST/School of Pharmacy: Comparison of plasma and cardiac effects of water pipes, electronic cigarettes and cigarette tobacco smoking.
10. Ahmad Aljuhmani, 2018, Principal investigator, JUST/School of Pharmacy: Impact of spironolactone on myocardial oxidative stress, inflammation and fibrosis in a rat model of hyperthyroidism. ***Ahmad won the best presentation award at the 5-minutes competition for his master thesis at JUST 2019.***
11. Ahmad Alsaheb, 2018, Principal investigator, JUST/School of Pharmacy: Role of fish oil in attenuating cardiac inflammation, oxidative stress and fibrosis in hyperthyroid rats.
12. Zeina Rawasdeh, 2019, Co-investigator, JUST/School of Pharmacy: Evaluating the protective effect of edaravone on memory impairment induced by hyperhomocysteinemia.
13. Rawan Almomani, 2019, Co-investigator, JUST/School of Pharmacy: Assessment of hospital pharmacists' knowledge, attitudes and barriers for pharmaceutical care practice in Jordan
14. Eman Bani Amer, 2020, Principal investigator, JUST/School of Pharmacy: Lipoprotein A (Lp-A) level as a predictor of Atherosclerotic Cardiovascular Diseases (ASCVDs) risk and prognosis.
15. Tala Algharram, 2022, Principal investigator, JUST/School of Pharmacy: Cardiac effects of atorvastatin in rat model of streptozotocin-induced diabetes.
16. Anoud Omeish, 2023, Principal investigator, JUST/School of Pharmacy: Comparison of the cardioprotective effects between Dapagliflozin and liraglutide in a rat model of streptozotocin-induced diabetes.

Master Students' Exam Committee

1. Mohammad Qubasi, 2012, JUST/school of pharmacy.
2. Raji Hatamleh, 2012, JUST/School of pharmacy.
3. Fatema Bani Salameh, 2013, JUST/School of Pharmacy.
4. Rania Mahaftheh, 2016, JUST/School of Pharmacy
5. Hamzah abo Zamzam, 2018, JUST/School of Pharmacy
6. *Zaina Abo Rashed*, 2019, JUST/school of Pharmacy
7. Eman Bani Amer, 2021, JUST/School of Pharmacy
8. Aseel Tahrawi, 2022, JUST/School of Pharmacy.
9. Ayman Yasin, 2022, JUST/School of Pharmacy
10. Tala Algharram, 2022, JUST/School of Pharmacy.
11. Anoud Omeish, 2024, JUST/School of Pharmacy

Workshops and Seminars

1. Academic orientation workshop/The Academic Development Center at JUST, 3/10/2012
2. Testing and Evaluation/The Academic Development Center at JUST, 6-7/6/ 2011
3. Training on data analyzing using SPSS/The Academic Development Center at JUST, 5-6/6/2012
4. Clinical Investigation Training Program (CITP IV)/Jordan Food and Drug Administration/Jordan, 23/07/2011
5. Modern strategies in teaching methodologies/The Academic Development Center at JUST, 22-23/1/2017
6. Problem-Based Learning/The Academic Development Center at JUST, 6, 13/7/2017
7. Program learning outcomes and curriculum mapping/Faculty of Pharmacy at JUST, 28/3/2017
8. Collaborative Institutional Training Initiatives (CITI) web-based course. 5 Sep, 2017.
9. ACPE self-study workshop/Faculty of Pharmacy at JUST, 26/4/2017.
10. A Workshop on "How to Obtain External Research Funding. 07 Nov 2017.
11. The Faculty of Graduate Studies research seminar series for all faculties at Jordan University of Science and Technology. Dec 2017May 2018.
12. The Faculty of Graduate Studies research seminar series for all faculties at Jordan University of Science and Technology. Dec 2018April 2019.
13. Manuscript writing and research integrity (presenter and organizer). Responsible conduct of research program at California San Diego and Jordan University of Science and Technology. 2 May, 2018.
14. Research based teaching. Deanship of research, Jordan University of Science and Technology. 28 September 2018.
15. Orientation workshop for new faculty members at JUST (presenter). Academic Development Center at Jordan University of Science and Technology. September 2018.
16. Manuscript writing and research integrity (presenter and organizer). Responsible conduct of research program at California San Diego and Jordan University of Science and Technology. 22 Dec, 2018.
17. Peer Review/Editorial Ethics (participant). Responsible conduct of research program at California San Diego and Jordan University of Science and Technology. 2 Feb, 2021. Online workshop
18. Blended electronic learning, Center for e-Learning and open educational resources at Jordan University of Science and Technology, 28 Sep, 2021.

19. Anger Control strategies and the positive interaction between teacher and students. Academic development Center at Jordan University of Science and Technology, 15-16 March, 2023.

Consultations

1. The higher Council for Science and Technology/The National Center for Research and Development (NCB), 2012.

Role: research proposal evaluation.

2. The Deanship of Research at Yarmouk University/ 2018.
3. **Role:** research proposal evaluation.
4. Accreditation and quality assurance commission for higher education institutions, 2019.

Role: Chair of the accreditation committee for Ghernata College.

5. The Jordan Pharmacy Syndicate 2023.
Role: Examiner at the national professional practice exam for foreigner pharmacists
6. Accreditation and quality assurance commission for higher education institutions.
Role: member at the local accreditation program of pharmacy committee at Jordan University of Science and technology, 2024.

Community Services and extracurricular activities

1. Evaluator for the OTC competition for pharmacy students at JUST, 2019, 2020, 2022.
2. Supervised Pharm.D student (Aseel Shakhtrah) to publish an Arabic article at Alghad newspaper about: Laughing and its impact on human health, 2017.
3. Supervised Pharm.D student (Ahmad Nouri) to publish an Arabic article at Alghad newspaper about: irritable bowel syndrome, 2015.
4. Supervised Pharm.D student (Mosab Gharaieh) to publish Arabic article at Alghad newspaper about: Physical activity and its impact on human cardiac health, 2014
5. Organizer at the first and the second Pharmacy graduate alumni at Jordan University of Science and Technology. 4 August 2017 and August 1, 2018.
6. Helped in organizing JUST International Pharmacy Conference, 2-4 August 2017, Jordan University of Science and Technology, Irbid/Jordan.
7. Helped in organizing the scientific 7th day of college of pharmacy, 2014, Jordan University of Science and Technology, Irbid/Jordan
8. Moderator at the JUST International Pharmacy Conference, 2-4 August 2017, Jordan University of Science and Technology, Irbid/Jordan.
9. Moderator at the IBRO-MENA International conference and advanced School in neurodegenerative disorders: translation into clinical Neurology. 19-24 Nov 2017. Faculty of Pharmacy, Jordan University of Science and technology. Irbid/Jordan
10. Organizing the Faculty of Graduate Studies research seminar series. Faculty of graduate studies. JUST, Jordan, 2017-2019.
11. Organizing the five-minute competition at Faculty of Graduate Studies. JUST, Jordan, 28 March, 2018.
12. Organizing the five-minute competition at Faculty of Graduate Studies. JUST, Jordan, April, 2019.

13. Organizing the Graduate Students Research Conference at Faculty of Graduate Studies and Deanship of Research. JUST, Jordan, 18 April, 2018.
14. Presenter at the orientation workshop for new faculty members at JUST, Jordan, September 2018.
15. Organizing the Graduate students' festival 2019, April 2019.
16. The 4rth International Conference on Research Ethics. Nov, 3rd 2019. Jordan University of Science and Technology. Chair of organizing committee
17. Organizing at multiple medical free days through the "toward optimal pharmaceutical care campaign":
 - The free medical day at Al-Ramtha City/Irbid/Jordan, 2013
 - The free medical day at Al-Huson City/Irbid/Jordan, 2014
 - The free medical day at Arabella mall/Irbid/Jordan, 2012
 - The free medical day at Bait Ras/Irbid/Jordan, 2012
 - The free medical day at JUST/Irbid/Jordan, 2012
 - The free medical day at the Pharmacy Syndicate, 2012

Role: Coordinator, participant, and clinical advisor in the field of cardiovascular disease, provide pharmacologic and non-pharmacologic consultations to patients in the community at different sites in Irbid/Jordan.

18. Organizer at the faculty of pharmacy graduate Alumni, August, 4, 2022
19. Examiner at several over the counter (OTC) students' competitions, December 2022.
20. Organizer at the faculty of pharmacy at Yarmouk university free medical day, Alwaleed bin Abdel Malek school, Irbid, Jordan, 2024
21. Organizer of field training visit to Hikma company, faculty of pharmacy at Yarmouk University, Sahab, Jordan, 2023
22. Founder of the inter-professional education committee at Yarmouk University.
23. Organizer at the 5-minutes competition at deanship of research and graduate studies at Yarmouk University, 2024.
24. Chair of the scientific committee and member of the higher committee of the 1st National drug Security: safeguarding sustainability organized by the Jordan Drug and Food Administration and the Charity Drug Bank, 2024.
25. Chair of the organizing committee for "Honna Al-injaz" event celebrating outstanding Jordanian woman at the national level. Yarmouk University, Dec, 2024.