

CURRICULUM VITAE

Nidal Amin Jaradat

Professor in Pharmaceutical chemistry and Pharmacognosy

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Personal:

Family Name: Jaradat
First Name: Nidal
Sex: Male
Date of Birth: September 23, 1970

Education:

1997 – 2000: Ph. D study at Department of Pharmaceutical Chemistry and Pharmacognosy, Ukrainian National Pharmaceutical Academy.

Thesis Title: Potential Anti-Tuberculosis Drugs Based on Quinolone Natural Derivatives

1990 – 1996: BSc / MS diploma Pharmacy, Ukrainian Academy of Pharmacy.

1977 – 1989: Study at school in Borqa / Nablus

1989: High school (Tawjehee: Average: 91.7).

Work Experience:

1996 – 1997: Dispensing Pharmacist at Al-Amanah Pharmacy/Tulkarm

2001-2002: Assistant Professor (Part time), Faculty of Pharmacy/An-Najah National University, Nablus

2002-2017: Assistant Professor Faculty of Pharmacy/An-Najah National University, Nablus

2017 – 2023: Associate Professor, Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus.

2023-now: Full Professor, Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus.

Teaching Experience:

Pharmacognosy 2001 – now	Faculty of Pharmacy
Phytochemistry 2001 – now	Faculty of Pharmacy
Herbal medicine	Faculty of Pharmacy
Green Pharmacy	Faculty of Pharmacy
Medical ethics and Pharmacy legislation	Faculty of Pharmacy
Pharmacy Practice	Faculty of Pharmacy
Pharmacy law	Faculty of Pharmacy
Pharmacognosy Laboratory	Faculty of Pharmacy
Phytochemistry Laboratory	Faculty of Pharmacy
Herbal therapeutics	Clinical Pharmacy Master Program
Medicinal Chemistry 3	Faculty of Pharmacy
Palestinian Medicinal Plants 2005 – now	Clinical Pharmacy Master Program
Phytotherapy 2011 – now	Pharm. D. Program/ Faculty of medicine and Health Sciences

Naturaceuticals 2011 – now	Pharm. D. Program/ Faculty of medicine and Health Sciences
Chemistry of Natural Products	Faculty of Sciences/ Chemistry division
Advanced Chemistry of Natural Products 2013 – now	Faculty of Graduate Studies/ Pharmaceutical Sciences Master Program
Natural products and phytopharmacy	Birzeit University/ Pharm. D. program/ Faculty of pharmacy, nursing and health sciences

Research Experience: My research experience is in the field of pharmacognosy, phytochemistry, pharmaceutical chemistry, ethnopharmacology of the natural medications, isolation of the natural medications from medicinal plants, and natural essential oils chemical and biological characterizations.

Computer skills:

Microsoft office, Spss, Front page, OCC, Moodle and others

Conferences:

The XVIII Ukrainian conference in Organic Chemistry devoted to the 80-th anniversary of the Dniepropetrovsk State University	Synthesis, physical chemical and biological properties of 1-R-2oxo-4-hydroxyquinoline-3-carboxylic acids benxylidenhydrazides.	9,1998	Dniepropetrovsk State University-Ukraine
The “6” Palestinian Pharmaceutical and ‘2 ‘ Clinical Pharmacy Conference	Two papers 1. Isolation of Rutin from Wild Palestinian plants 2. Phytproducts and anticancer activity	April 7-9 2010	Bethlehem

The 1st Palestinian conference of the medical and health sciences	Vitamin C and cancer	August ,2005	An-Najah National University
The Second Conference on Biotechnology Research and Applications in Palestine	Effect of Carob (<i>Ceratonia siliqua</i> L.) flowers on the ovulation in mice	September 26-27 th ,2010	An-Najah National University
The 8th International Palestinian Conference Of Laboratory Medicine	Therapeutic Effect of <i>Thymus serpyllum</i> Aqueous extract on Ova Albumin-Induced Asthma in Syrian Hamsters	August 14-16, 2014	Palestinian Medical Technology Association
The 8 th Palestinian International Chemistry Conference (PICC2015)	Oral presentation: Preliminary Phytochemical Screening, Quantitative Estimation of Total Flavonoids, Total Phenols and Antioxidant Activity of <i>Ephedra alata</i> Decne. Poster presentation: Phytochemical analysis, Quantitative Estimations of Total Phenols and Free Radical Scavenging Activity for <i>Bupleurum subovatum</i> from Jerusalem	21-22 April 2015	An-Najah National University
Frontiers in the Pharmaceutical Sciences and pharmacy Practice: A global perspectives	The influence of sugar ester and carbopol upon avocado oil nanoemulsions and nanoemulgel	21-23 October 2015	Al-Zaytoonah University of Jordan
5 th PFMR Biomedical Research Symposium	Variations of Exhaustive Extraction Yields and Methods of Preparations for (<i>Arum palaestinum</i>) Solomon's Lily Plant in all Regions of West Bank/Palestine	4 th April, 2015	Birzeit University

Bio-exploration of Valuable Natural Products Derived from Mediterranean Flora	Bioactivity of <i>Viscum album</i> extracts from Olive and Almond host plants in Palestine	26-27 March 2014	Biodiversity & Environmental Research Center
The 6 th International Pharmaceutical Conference 2017(ZTIPC 2017) “New Horizons in Pharmaceutical Research”	Nifedipine Self-Nanoemulsifying Drug Delivery System Development and Evaluation	29-30 November 2017	Al-Zaytoonah University of Jordan, Amman.
Lancet Palestinian Health Alliance 8th Conference	Herbal Remedies Use by Breast Cancer Patients in the West Bank of Palestine	March 15-16, 2017	Birzeit University, Palestine
The 7th PFMR Biomedical Research Symposium – Alquds University	Preliminary Phytochemical Screening, In-vitro Evaluation of Antioxidant and Antimicrobial Activities of the Aerial Parts for <i>Astragalus pelecinus</i> a member of Palestinian Flor	7/10/2017	Al-Quds University
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances	The Effect of <i>Origanum syriacum</i> L. and <i>Lavandula dentata</i> L. Essential Oils on Glutamate AMPA Receptors	March 14th and 17th, 2019	Turkish Chemists Society and Gebze Technical University
8th PFMR Biomedical Research Symposium	Chemical constituents, antioxidant, cyclo-oxygenase inhibitor, and cytotoxic activities of <i>Teucrium pruinosum</i> boiss. essential oil	April 13, 2019.	Birzeit University

3. International Baku Scientific Research Congress October	In-vivo, hypoglycemic, hypolipidemic and oxidative stress inhibitory activities of <i>Myrtus communis</i> l. fruits hydroalcoholic extract in normoglycemic and streptozotocin-induced diabetic rats	15-16, 2021	Baku Eurasia University, Baku, Azerbaijan
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Ph. D. and Master supervision and as examiner

Thesis Title	Student Name	Supervisor	Year
Synthesis of Monocarbonyl Analogues of Curcumin that Required for Biological Screening	Reham Nafiz Ahmed Saber	Dr. Nawaf Al-Maharik Dr. Nidal Jaradat	2021
Characterization of Polyphenol-Containing Polar Extracts from <i>Stachys Palaestina</i> and <i>Stachys Viticina</i> and Evaluation of Their Pharmacological Properties	Laila Mohammed Abbas Badwan	Dr. Nawaf Al -Maharik Dr.Nidal Jaradat	2021
Pharmacological Effect and Chemical Compositions Variations of the <i>Calaminths fenzi</i> Essential Oil Collected From Three Regions in Palestine	Shaymaa Bellal Sudqe Mousa	Dr. Nidal Jaradat Dr. Mohammad Qadi	2020
Synthesis of aromatic thio-acid esters of 2-thiophenylethanol and exploring some of their biological activities	Maram Hawi	Dr. Nidal Jaradat	2020
Pharmacological and Phytochemical Screening of <i>Rumex Rothschidinanus</i>	Gada Fawaz Daas	Dr. Nidal Jaradat	2019
Pharmacological and phytochemical screening of <i>Ephedra alata</i> fruit extracts	Hanaa Dacca	Dr. Nidal Jaradat	2019
Antimicrobial activities and phytochemical analysis of <i>Verbascum fruticulosum</i>	Saleh Salim Fahmi Fares	Dr. Raed Alkowni Dr. Nidal Jaradat	2018
Chemical composition and pharmacological screening of <i>Micromeria fruticosa serpyllifolia</i> volatile oils collected from West Bank-Palestine	Nehayah Mohammad Yousef Salameh	Dr. Naser Shraim Dr. Nidal Jaradat	2018
Phytochemical Screenings and Pharmacological Activities of two Medicinal Plants (<i>Alchemilla arvensis</i> and <i>Taraxacum syriacum</i>)”	Hazar Mousa Ali	Dr. Raed Alkowni Dr. Nidal Jaradat	2018
Nopal Cactus Phyto-Chemical Content and Antidiabetic Effect	Lamees Rabi	Dr. Mohammad AL-Tamimi	2018

		Dr. Nidal Jaradat	
Phytochemical screening and adsorption of Cu, and Ni ions from aqueous solution using activated carbon from <i>Cupressus sempervirens</i> , <i>Pinus halepensis</i> fruits	Rawan Raed Jamal Ateeq	Dr. Ahmad Abu-Obaid Dr. Nidal Jaradat	2017
Comparative Study between Commercial Charcoal and <i>Asphodelus ramosus</i> Tuber Derived Activated Carbons for Adsorption of Heavy Metals from Aqueous Solution	Abdullah Mahameed	Dr. Ahmad A. Abu-Obaid Dr. Nidal Jaradat	2017
Screening of Biological Activities of <i>Nicotiana tabacum</i> , <i>Chiladenus iphionoides</i> and <i>Urginea maritima</i> Against Microbial Infections	Reem Ibrahim Sbeih	Dr. Nidal Jaradat Dr. Saad Allaham	2017
Synthesis, characterization & biological activity of Isopropyl Thiazol derivatives of the natural products Distamycin & Proximicin	Amjad Abdulrahman Mosa Adulrahman	Dr. Hasan Y. Alniss Dr. Nidal Jaradat	2017
Biological and phytochemical screening of <i>Erodium Laciniatum</i> and <i>Lactuca orientalis</i>	Dua'a Ghazi Abdullah Othman	Dr. Nidal Jaradat	2016
Analytical and Method Development and Validation for a Home Formulated Rutin Tablet	Jumana Saleh Mohamed Mansour	Dr. Murad Abualhasan Dr. Nidal Jaradat	2015
Activated carbon from <i>Cyclamen persicum</i> Tubers for Diclofenac removal from aqueous solution	Fatima Mohammed Abdelwahab Hussen	Dr. Shehdeh Jodeh Dr. Nidal Jaradat	2013
Prevalence and Predictors of Herb Use during Pregnancy (A study at Rafidia Governmental Hospital /Palestine)	Deema Hilmi Adawi	Dr. Rowa' Al-Ramahi Dr. Nidal Jaradat	2012
Utilization of Antibiotics in Nablus City- Palestine Pharmaco-epidemiological Study	Maram Zakareya Abdul-Allah Hajjaj	Dr. Suleiman Al Khalil Dr. Waleed Sweileh (Internal Examiner)	2005
Pharmaceutical Dosage Form Preparation of a Synthesized Celecoxib Salt and Development of a Validated Method for its Analysis	Kefah Rasmi Abu Shebab	Dr. Murad Abu alhasan (Internal Examiner)	2018
Medicinal Plants as a Source of Inhibitors of the Digestive Enzymes: Alpha-glucosidase, Alpha-amylase and Pancreatic Lipase	Raghad Albzoor	Dr. Awni Abu -Hijleh (Internal Examiner) Prof. Hilal Zaid	2019
Selective Cyclooxygenase 2 inhibitors: Synthesis and biological evaluation	Hadeel Yousif Sawaftah	Dr. Mohyeddin Assali & Dr. Murad	2019

		Abualhasan (Internal Examiner)	
Formulation and Evaluation of Cefpodoxime Proxetil Chewable Tablets	Ohood Khatatbeh	Prof. Abed Naser Zaid (Internal Examiner)	2021
Nanoemulgel Formulation for Topical Delivery of Miconazole Nitrate	Dalal Yousef Tayah	Dr. Ahmad Mustafa Eid (Internal Examiner)	2021
In-vitro and in vivo Post-marketing Surveillance of Rosuvastatin among Palestinian Patients	Nawras Yusuf Radwany	Prof. Abed Naser Zaid Rowa'a Al Ramahi (Internal Examiner)	2021
Exhaustive extraction and screening of antimicrobial activities of Bupleurium subovatum: a member of Palestinian flora	Aya Ali Ahmed Qadi	Professor Mahmood AbuHaded External examiner Al-Quds University	2016
GC-MS analysis of the secondary metabolites from the leaves of wild Palestinian Calaminths incana and their in-vitro antioxidant and antimicrobial activities	Ali Hasan Ali Jahajha	Prof. Dr. Saleh Abu-Lafi External Examiner Al-Quds University	2017
Phytochemical screening of wild Ephedra foeminea and Smilax aspera fruits and their in-vitro pharmacological activities	Maryam Khaled Mohammad Sawalha	Prof. Saleh Abu-Lafi & Dr. Fuad Rimawi External Examiner Al-Quds University	2018
Characterizing the Phenolic Compounds contents and Antioxidant Activity of Extra Virgin Olive Oils collected from different regions of West Bank- Palestine	Wael Hani Ali Dwaik	: Dr. Fuad Al-Rimawi&Dr. Jehad Abbadi External Examiner Al-Quds University	2016

Publications

1. Eid, A., et al., *Qualitative analysis of the antioxidant, carbohydrates, and lipids enzymes inhibitory effects of Coriandrum sativum seeds; a member of Palestinian flora*. Palestinian Medical and Pharmaceutical Journal, 2023. **8**(2): p. 1-12.
2. Alqub, M. and N. Jaradat, *In vitro studies of Bituminaria bituminosa L. extracts from Palestine for their antioxidant, qualitative, and quantitative properties*. Palestinian Medical and Pharmaceutical Journal, 2023. **8**(1).

3. Zaid, A.N., et al., *Stability of extemporaneously prepared sitagliptin phosphate solution*. PLoS ONE, 2022. **17**(3 March).
4. Sharifi-Rad, M., et al., *Teucrium polium (L.): Phytochemical Screening and Biological Activities at Different Phenological Stages*. Molecules, 2022. **27**(5).
5. Sharifi-Rad, M., et al., *Variation of phytochemical constituents, antioxidant, antibacterial, antifungal, and anti-inflammatory properties of Grantia aucheri (Boiss.) at different growth stages*. Microbial Pathogenesis, 2022. **172**.
6. Sbieh, R., S. Al-Lahham, and N. Jaradat, *Antioxidant, antimicrobial and cytotoxic properties of four different extracts derived from the aerial parts of Chiliadenus iphinoides*. European Journal of Integrative Medicine, 2022. **54**.
7. Saidi, N., et al., *Design of Nanohydroxyapatite/Pectin Composite from Opuntia Ficus-Indica Cladodes for the Management of Microbial Infections*. Polymers, 2022. **14**(20).
8. Rahhal, B.M., et al., *Phytochemical Screening, Antioxidative, Antiobesity, Antidiabetic and Antimicrobial Investigations of Artemisia scoparia Grown in Palestine*. Processes, 2022. **10**(10).
9. Rahhal, B., et al., *Phytochemical investigation and diuretic activity of the Palestinian rataegus aronia in mice using an aqueous extract*. Palestinian Medical and Pharmaceutical Journal, 2022. **7**(2).
10. Qneibi, M., et al., *Affecting AMPA Receptor Biophysical Gating Properties with Negative Allosteric Modulators*. Molecular Neurobiology, 2022. **59**(9): p. 5264-5275.
11. Naseef, H., et al., *Novel Fusidic Acid Cream Containing Metal Ions and Natural Products against Multidrug-Resistant Bacteria*. Pharmaceutics, 2022. **14**(8).

12. Naseef, H., et al., *Phytochemical characterization and assessments of antimicrobial, cytotoxic and anti-inflammatory properties of Lavandula coronopifolia Poir. volatile oil from Palestine*. Arabian Journal of Chemistry, 2022. **15**(9).
13. Kmail, A., et al., *Phytochemical analysis, cytostatic, cytotoxic, and anti-inflammatory effects of Arum palaestinum, Ocimum basilicum, and Trigonella foenum-graecum in human monocytic cell line (THP-1)-derived macrophages*. European Journal of Integrative Medicine, 2022. **54**.
14. Jaradat, N., et al., *Assessing Artemisia arborescens essential oil compositions, antimicrobial, cytotoxic, anti-inflammatory, and neuroprotective effects gathered from two geographic locations in Palestine*. Industrial Crops and Products, 2022. **176**.
15. Jaradat, N., et al., *Antidiabetic, antioxidant, and anti-obesity effects of phenylthio-ethyl benzoate derivatives, and molecular docking study regarding α -amylase enzyme*. Scientific Reports, 2022. **12**(1).
16. Jaradat, N., et al., *The effect of novel negative allosteric 2,3-benzodiazepine on glutamate AMPA receptor and their cytotoxicity*. Journal of Molecular Structure, 2022. **1261**.
17. Jaradat, N., et al., *Chemical Markers and Pharmacological Characters of Pelargonium graveolens Essential Oil from Palestine*. Molecules, 2022. **27**(17).
18. Jaradat, N., et al., *Chemical compositions, antibacterial, antifungal and cytotoxic effects of Alhagi mannifera five extracts*. Journal of Complementary and Integrative Medicine, 2022. **19**(4): p. 869-877.
19. Jaradat, N., et al., *Essential Oil Composition, Antimicrobial, Cytotoxic, and Cyclooxygenase Inhibitory Areas of Activity of Pistacia lentiscus from Palestine*. Arabian Journal for Science and Engineering, 2022. **47**(6): p. 6869-6879.

20. Jaradat, N., et al., *Constituents, Antibacterial Adhesion, Cytotoxic and in Vitro Metastasis Blocking Properties of Salvia fruticosa Essential Oils from Three Palestinian Localities*. Chemistry and Biodiversity, 2022. **19**(4).
21. Jaradat, N., *Qualitative, Quantitative, Cytotoxic, Free Radical Scavenging, and Antimicrobial Characteristics of Hypericum lanuginosum from Palestine*. Molecules, 2022. **27**(14).
22. Hawash, M., et al., *The impact of filtered water-pipe smoke on healthy versus cancer cells and their neurodegenerative role on AMPA receptor*. Drug and Chemical Toxicology, 2022. **45**(5): p. 2292-2300.
23. Hawash, M., et al., *Anticancer Activity of Thiophene Carboxamide Derivatives as CA-4 Biomimetics: Synthesis, Biological Potency, 3D Spheroid Model, and Molecular Dynamics Simulation*. Biomimetics, 2022. **7**(4).
24. Hawash, M., et al., *Synthesis of novel isoxazole–carboxamide derivatives as promising agents for melanoma and targeted nano-emulgel conjugate for improved cellular permeability*. BMC Chemistry, 2022. **16**(1).
25. Hawash, M., et al., *In vitro and in vivo assessment of the antioxidant potential of isoxazole derivatives*. Scientific Reports, 2022. **12**(1).
26. Hawash, M., et al., *Molecular docking studies and biological evaluation of isoxazole-carboxamide derivatives as COX inhibitors and antimicrobial agents*. 3 Biotech, 2022. **12**(12).
27. Ghanim, M., et al., *Ecballium elaterium improved stimulatory effects of tissue-resident NK cells and ameliorated liver fibrosis in a thioacetamide mice model*. Biomedicine and Pharmacotherapy, 2022. **150**.

28. Eid, A.M., et al., *Evaluation of anticancer, antimicrobial, and antioxidant activities of rosemary (Rosmarinus Officinalis) essential oil and its Nanoemulgel*. European Journal of Integrative Medicine, 2022. **55**.
29. Assali, M., N. Jaradat, and L. Maqboul, *The Formation of Self-Assembled Nanoparticles Loaded with Doxorubicin and d -Limonene for Cancer Therapy*. ACS Omega, 2022. **7**(46): p. 42096-42104.
30. Amer, J., et al., *Gundelia tournefortii inhibits hepatocellular carcinoma progression by lowering gene expression of the cell cycle and hepatocyte proliferation in immunodeficient mice*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 2022. **156**: p. 113885.
31. Altamimi, M.A., et al., *Hydroethanolic Extract of Urtica dioica L. (Stinging Nettle) Leaves as Disaccharidase Inhibitor and Glucose Transport in Caco-2 Hinderer*. Molecules, 2022. **27**(24).
32. Alqub, M., et al., *Chiliadenus sericeus subsp. virescens (Maire) Greuter: Phytochemical Assessments, Antimicrobial, Free Radical Scavenging, Antidiabetic, and Antiproliferative Properties*. Arabian Journal for Science and Engineering, 2022.
33. Al-Maharik, N., et al., *Chemical Composition, Antioxidant, Antimicrobial and Anti-Proliferative Activities of Essential Oils of Rosmarinus officinalis from five Different Sites in Palestine*. Separations, 2022. **9**(11).
34. Al-Maharik, N., et al., *Isolation, Identification and Pharmacological Effects of Mandragora autumnalis Fruit Flavonoids Fraction*. Molecules, 2022. **27**(3).

35. Al-Maharik, N. and N. Jaradat, *Phytochemical profile, antimicrobial, cytotoxic, and antioxidant activities of fresh and air-dried satureja nabateorum essential oils*. *Molecules*, 2022. **27**(1).
36. Abualhasan, M., et al., *Bioactivity evaluation of synthesized flavone analogs*. *Food Science and Technology (Brazil)*, 2022. **42**.
37. Shadid, K.A., et al., *Phenolic content and antioxidant and antimicrobial activities of Malva sylvestris L., Malva oxyloba Boiss., Malva parviflora L., and Malva aegyptia L. leaves extract*. *Journal of Chemistry*, 2021. **2021**.
38. Salama, Y., et al., *Aloysia citrodora essential oil inhibits melanoma cell growth and migration by targeting hb-egf-egfr signaling*. *International Journal of Molecular Sciences*, 2021. **22**(15).
39. Robinson, N. and N. Jaradat, *Is there a simple, quick, and inexpensive method available for in vitro testing of potential herbal products: Anti-obesity and antidiabetic activity of Coleus schinzii*. *European Journal of Integrative Medicine*, 2021. **47**.
40. Qneibi, M., et al., *Inula viscosa (L.) Greuter, phytochemical composition, antioxidant, total phenolic content, total flavonoids content and neuroprotective effects*. *European Journal of Integrative Medicine*, 2021. **42**.
41. Qneibi, M., et al., *The AMPA receptor biophysical gating properties and binding site: Focus on novel curcumin-based diazepines as non-competitive antagonists*. *Bioorganic Chemistry*, 2021. **116**.
42. Omar, J.S., et al., *Regular swimming exercise improves metabolic syndrome risk factors: a quasi-experimental study*. *BMC Sports Science, Medicine and Rehabilitation*, 2021. **13**(1).

43. Naser Zaid, A., et al., *Formulation and In Vitro and In Vivo Assessment of Natural Emulgel Containing Lemongrass Essential Oil*. Journal of cosmetic science, 2021. **72**(1): p. 1-16.
44. Naceiri Mrabti, H., et al., *Ethnobotanical Survey of Medicinal Plants Used by Traditional Healers to Treat Diabetes in the Taza Region of Morocco*. Evidence-based Complementary and Alternative Medicine, 2021. **2021**.
45. Khalil, A., et al., *In Vitro Biological Evaluation of Benzodioxol Derivatives as Antimicrobial and Antioxidant Agents*. Arabian Journal for Science and Engineering, 2021. **46**(6): p. 5447-5453.
46. Jaradat, N., et al., *Chemical Composition, Antioxidant, Antiobesity, and Antidiabetic Effects of Helichrysum sanguineum (L.) Kostel. from Palestine*. Arabian Journal for Science and Engineering, 2021. **46**(1): p. 41-51.
47. Jaradat, N., et al., *Phytochemical screening, antiobesity, antidiabetic and antimicrobial assessments of Orobanche aegyptiaca from Palestine*. BMC Complementary Medicine and Therapies, 2021. **21**(1).
48. Jaradat, N., et al., *Isolation, identification, and antimycotic activity of plumbagin from Plumbago europaea L. roots, leaves and stems*. Pakistan Journal of Pharmaceutical Sciences, 2021. **34**(4): p. 1421-1428.
49. Jaradat, N., et al., *In vitro Antitumor, Antibacterial, and Antifungal Activities of Phenylthio-Ethyl Benzoate Derivatives*. Arabian Journal for Science and Engineering, 2021. **46**(6): p. 5339-5344.
50. Jaradat, N., M. Hawash, and G. Dass, *Phytochemical analysis, in-vitro anti-proliferative, anti-oxidant, anti-diabetic, and anti-obesity activities of Rumex rothschildianus Aarons. extracts*. BMC Complementary Medicine and Therapies, 2021. **21**(1).

51. Jaradat, N., et al., *Spectral characterization, antioxidant, antimicrobial, cytotoxic, and cyclooxygenase inhibitory activities of Aloysia citriodora essential oils collected from two Palestinian regions*. BMC Complementary Medicine and Therapies, 2021. **21**(1).
52. Jaradat, N., et al., *Anticancer, Free Radicals, and Digestive Enzyme Inhibitory Activities of Rubus sanctus Schreb Root Four Solvent Fractions*. Evidence-based Complementary and Alternative Medicine, 2021. **2021**.
53. Jaradat, N., *Phytochemical profile and in vitro antioxidant, antimicrobial, vital physiological enzymes inhibitory and cytotoxic effects of Artemisia jordanica leaves essential oil from Palestine*. Molecules, 2021. **26**(9).
54. Hawash, M., et al., *Molecular docking, chemo-informatic properties, alpha-amylase, and lipase inhibition studies of benzodioxol derivatives*. BMC Chemistry, 2021. **15**(1).
55. Hawash, M., et al., *Design, synthesis, and biological evaluation of phenyl-isoxazole-carboxamide derivatives as anticancer agents*. Heterocyclic Communications, 2021. **27**(1): p. 133-141.
56. Hawash, M., et al., *Synthesis, chemo-informatics, and anticancer evaluation of fluorophenyl-isoxazole derivatives*. Open Chemistry, 2021. **19**(1): p. 855-863.
57. Al-Lahham, S., et al., *Hexane extract of Curcuma longa L. inhibits the activities of key enzymes and pro- inflammatory adipokines linked to obesity*. European Journal of Integrative Medicine, 2021. **48**.
58. Ali, H., et al., *Evaluation of phytochemical and pharmacological activities of Taraxacum syriacum and Alchemilla arvensis*. Jordan Journal of Pharmaceutical Sciences, 2021. **14**(4): p. 457-472.

59. Abdalrazeq, M., et al., *Physicochemical and antimicrobial properties of whey protein-based films functionalized with palestinian Satureja capitata essential oil*. Coatings, 2021. **11**(11).
60. Warad, I., et al., *Synthesis and spectral identification of three schiff bases with a 2-(Piperazin-1-yl)-N-(thiophen-2-yl methylene)ethanamine moiety acting as novel pancreatic lipase inhibitors: Thermal, DFT, antioxidant, antibacterial, and molecular docking investigations*. Molecules, 2020. **25**(9).
61. Salameh, N., et al., *Screening of Antioxidant and Antimicrobial Activity of Micromeria fruticosa serpyllifolia Volatile Oils: A Comparative Study of Plants Collected from Different Regions of West Bank, Palestine*. BioMed Research International, 2020. **2020**.
62. Qneibi, M., et al., *Ortho versus Meta Chlorophenyl-2,3-Benzodiazepine Analogues: Synthesis, Molecular Modeling, and Biological Activity as AMPAR Antagonists*. ACS Omega, 2020. **5**(7): p. 3588-3595.
63. Qadi, M., et al., *Antibacterial, Anticandidal, Phytochemical, and Biological Evaluations of Pellitory Plant*. BioMed Research International, 2020. **2020**.
64. Jaradat, N., et al., *Carbohydrates and lipids metabolic enzymes inhibitory, antioxidant, antimicrobial and cytotoxic potentials of Anchusa ovata Lehm. from Palestine*. European Journal of Integrative Medicine, 2020. **34**.
65. Jaradat, N., et al., *Bactericidal, fungicidal, helminthicidal, antioxidant, and chemical properties of chrozophora obliqua extract*. Phytotherapie, 2020. **18**(5): p. 275-283.
66. Jaradat, N., M. Hawash, and M. Abualhasan, *Synthesis and biological evaluation of benzodioxol derivatives as cyclooxygenase inhibitors*. Letters in Drug Design and Discovery, 2020. **17**(9): p. 1117-1125.

67. Jaradat, N., et al., *Nepeta curviflora* essential oil: Phytochemical composition, antioxidant, anti-proliferative and anti-migratory efficacy against cervical cancer cells, and α -glucosidase, α -amylase and porcine pancreatic lipase inhibitory activities. *Industrial Crops and Products*, 2020. **158**.
68. Jaradat, N., et al., *Chemical Fingerprinting, Anticancer, Anti-inflammatory and Free Radical Scavenging Properties of Calamintha fenzlii* Vis. *Volatile Oil from Palestine*. *Arabian Journal for Science and Engineering*, 2020. **45**(1): p. 63-70.
69. Jaradat, N., et al., *Composition, Anticholinesterase and Antipedicular Activities of Satureja capitata* L. *Volatile Oil*. *Open Life Sciences*, 2020. **15**(1): p. 60-67.
70. Jaradat, N., et al., *Antiamylase, antilipase, antimicrobial, and cytotoxic activity of nonea obtusifolia* (willd.) dc. *From palestine*. *BioMed Research International*, 2020. **2020**.
71. Jaradat, N., *Phytochemistry, traditional uses and biological effects of the desert plant Styrax officinalis* L. *Journal of Arid Environments*, 2020. **182**.
72. Hawash, M., et al., *Design, synthesis and biological evaluation of novel benzodioxole derivatives as COX inhibitors and cytotoxic agents*. *BMC Chemistry*, 2020. **14**(1).
73. Hawash, M., et al., *Evaluation of the hypoglycemic effect of seven wild folkloric edible plants from Palestine (Antidiabetic effect of seven plants from Palestine)*. *Journal of Complementary and Integrative Medicine*, 2020. **17**(1).
74. Hawash, M., et al., *Synthesis and Biological Evaluation of Benzodioxole Derivatives as Potential Anticancer and Antioxidant agents*. *Heterocyclic Communications*, 2020. **26**(1): p. 157-167.

75. Eid, A.M., et al., *Development and antimicrobial evaluation of eruca sativa oil nanoemulgel with determination of the oil antioxidant, sun protection factor and elastase inhibition*. Current Pharmaceutical Biotechnology, 2020. **21**(3): p. 244-255.
76. Eid, A.M. and N. Jaradat, *Public Knowledge, Attitude, and Practice on Herbal Remedies Used During Pregnancy and Lactation in West Bank Palestine*. Frontiers in Pharmacology, 2020. **11**.
77. Bassalat, N., S. Taş, and N. Jaradat, *Teucrium leucocladum: An effective tool for the treatment of hyperglycemia, hyperlipidemia, and oxidative stress in streptozotocin-induced diabetic rats*. Evidence-based Complementary and Alternative Medicine, 2020. **2020**.
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