**CURRICULUM VITTAE**

**Nidal Amin Jaradat**

**AssociateProfessorPharmaceutical chemistry and Pharmacognosy**

Pharmaceutical Chemistry and Technology Division, Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University.

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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 on the Basis of quinolone Derivatives semisynthesis

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

**Teaching Experience:**

|  |  |
| --- | --- |
| Pharmacognosy 2001 – now | Faculty of Pharmacy |
| Phytochemistry2001 – 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 Plants2005 – now | Clinical Pharmacy Master Program |
| Phytotherapy2011 – 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:**

|  |  |  |  |
| --- | --- | --- | --- |
| Dniepropetrovsk State University-Ukraine | 9,1998 | Synthesis, physical chemical and biological properties of 1-R-2oxo-4-hydroxyquinoline-3-carboxylic acids benxylidenhydrazides. | The XVIII Ukrainian conference in Organic Chemistry devoted to the 80-th anniversary of the Dniepropetrovsk State University |
| Bethlehem | April 7-9 2010 | Two papers  1. Isolation of Rutin from Wild Palestinian plants  2.Phytoproducts and anticancer activity | The “6” Palestinian Pharmaceutical and ‘2 ‘ Clinical Pharmacy Conference |
| An-Najah National University | August ,2005 | Vitamin C and cancer | The 1st Palestinian conference of the medical and health sciences |
| An-Najah National University | September 26-27th ,2010 | Effect of Carob (Ceratonia siliqua L.) flowers on the ovulation in mice | The Second Conference on Biotechnology Research and Applications in Palestine |
| Palestinian Medical Technology Association | August 14-16, 2014 | Therapeutic Effect of Thymus serpyllum Aqueous extract on Ova Albumin-Induced Asthma in Syrian Hamsters | The 8th International Palestinian Conference Of Laboratory Medicine |
| An-Najah National University | 21-22 April 2015 | Oral presentation: Preliminary Phytochemical Screening, Quantitative Estimation of TotalFlavonoids, Total Phenols and Antioxidant Activity of *Ephedra alata*  Decne.  Poster presentation:  Phytochemical analysis, Quantitative Estimations of Total Phenols and Free Radical Scavenging Activity for Bupleurum subovatum from Jerusalem | The 8th Palestinian International Chemistry Conference (PICC2015) |
| Al-Zaytoona University of Jordan | 21-23 October 2015 | The influence of sugar ester and carbopol upon avocado oil nanoemulsions and nanoemulgel | Frontiers in the Pharmaceutical Sciences and pharmacy Practice: A global perspectives |
| Birzeit University | 4th April, 2015 | Variations of Exhaustive Extraction Yields and Methods of Preparations for (*Arum palaestinum*) Solomon’s Lily Plant in all Regions of West Bank/Palestine | 5th PFMR Biomedical Research Symposium |
| Biodiversity & Environmental Research Center | 26-27 March 2014 | Bioactivity of *Viscum album* extracts from Olive and Almond host plants in Palestine | Bio-exploration of Valuable Natural Products Derived from Mediterranean Flora |
| Al-Zaytoonah University of Jordan, Amman. | 29-30 November 2017 | Nifedipine Self-Nanoemulsifying Drug Delivery System Development and Evaluation | The 6th International Pharmaceutical Conference 2017(ZTIPC 2017)  “New Horizons in Pharmaceutical Research” |
| Birzeit University, Palestine | March 15-16, 2017 | Herbal Remedies Use by Breast Cancer Patients in the West Bank of Palestine | Lancet Palestinian Health Alliance 8th Conference |
| Al-Quds University | 7/10/2017 | Preliminary Phytochemical Screening, In-vitro Evaluation of Antioxidant and Antimicrobial Activities of the Aerial Parts for Astragalus pelecinus a member of Palestinian Flor | The 7th PFMR Biomedical Research Symposium – Alquds University |
| Turkish Chemists Society and Gebze Technical University | March 14th and 17th, 2019 | The Effect of Origanum syriacum L. and Lavandula dentata L. Essential Oils on Glutamate AMPA Receptors | 7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances |
| Birzeit University | April 13, 2019. | Chemical constituents, antioxidant, cyclo-oxygenase inhibitor, and cytotoxic activities of Teucrium pruinosum boiss. essential oil | 8th PFMR Biomedical Research Symposium |
| Baku Eurasia University, Baku, Azerbaijan | 15-16, 2021 | In-vivo, hypoglycemic, hypolipidemic and oxidative stress inhibitory activities of *Myrtus communis* l. fruits hydroalcoholic extract in normoglycemic and  streptozotocin-induced diabetic rats | 3. International Baku Scientific Research Congress October |

**Ph. D. and Master supervision and as examiner**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Supervisor** | **Student Name** | **Thesis Title** |
| 2021 | Dr. Nawaf Al-Maharik  Dr. Nidal Jaradat | Reham Nafiz Ahmed Saber | Synthesis of Monocarbonyl Analogues of Curcumin that Required for Biological Screening |
| 2021 | Dr. Nawaf Al -Maharik  Dr.Nidal Jaradat | Laila Mohammed Abbas Badwan | Characterization of Polyhenol-Containing Polar Extracts from Stachys Palaestina and Stachys Viticina and Evaluation of Their Pharmacological Properties |
| 2020 | Dr. Nidal Jaradat  Dr. Mohammad Qadi | Shaymaa Bellal Sudqe Mousa | Pharmacological Effect and Chemical Compositions Variations of the Calaminths fenzlii Essential Oil Collected From Three Regions in Palestine |
| 2020 | Dr. Nidal Jaradat | Maram Hawi | Synthesis of aromatic thio-acid esters of 2-thiophenylethanol and exploring some of their biological activities |
| 2019 | Dr. Nidal Jaradat | Gada Fawaz Daas | Pharmacological and Phytochemical Screening of Rumex Rothschidinanus |
| 2019 | Dr. Nidal Jaradat | Hanaa Dacca | Pharmacological and phytochemical screening of Ephedra alata fruit extracts |
| 2018 | Dr. Raed Alkowni  Dr. Nidal Jaradat | Saleh Salim Fahmi Fares | Antimicrobial activities and phytochemical analysis of Verbascum fruticulosum |
| 2018 | Dr. Naser Shraim  Dr. Nidal Jaradat | Nehayah Mohammad Yousef Salameh | Chemical composition and pharmacological screening of Micromeria fruticose serpyllifolia volatile oils collected from West Bank-Palestine |
| 2018 | Dr. Raed Alkowni  Dr. Nidal Jaradat | Hazar Mousa Ali | Phytochemical Screenings and Pharmacological Activities of two Medicinal Plants (Alchemilla arvensis and Taraxacum syriacum)” |
| 2018 | Dr. Mohammad AL-Tamimi  Dr. Nidal Jaradat | Lamees Rabi | Nopal Cactus Phyto-Chemical Content and Antidiabetic Effect |
| 2017 | Dr. Ahmad Abu-Obaid  Dr. Nidal Jaradat | Rawan Raed Jamal Ateeq | Phytochemical screening and adsorption of Cu,and Ni ions from aqueous solution using activated carbon from Cupressus sempervirens, Pinus halepensis fruits |
| 2017 | Dr. Ahmad A.Abu-Obaid  Dr. Nidal Jaradat | Abdullah Mahameed | Comparative Study between Commercial Charcoal and Asphodelus ramosus Tuber Derived Activated Carbons for Adsorption of Heavy Metals from Aqueous Solution |
| 2017 | Dr. Nidal Jaradat  Dr. Saad Allaham | Reem Ibrahim Sbeih | Screening of Biological Activities of Nicotiana tabacum, Chiliadenus iphionoides and Urginea maritima Against Microbial Infections |
| 2017 | Dr.Hasan Y.Alniss  Dr.Nidal Jaradat | Amjad Abdulrahman Mosa Adulrahman | Synthesis, characterization & biological activity of Isopropyl Thiazol derivatives of the natural products Distamycin & Proximicin |
| 2016 | Dr.Nidal Jaradat | Dua’a Ghazi Abdullah Othman | Biological and phytochemical screening of Erodium Laciniatum and Lactuca orientalis |
| 2015 | Dr. Murad Abualhasan  Dr. Nidal Jaradat | Jumana Saleh Mohamed Mansour | Analytical and Method Development and Validation for a Home Formulated Rutin Tablet |
| 2013 | Dr. Shehdeh Jodeh  Dr. Nidal Jaradat | Fatima Mohammed Abdelwahab Hussen | Activated carbon from Cyclamen persicum Tubers for Diclofenac removal from aqueous solution |
| 2012 | Dr. Rowa’Al-Ramahi  Dr.Nidal Jaradat | Deema Hilmi Adawi | Prevalence and Predictors of Herb Use during Pregnancy (A study at Rafidia Governmental Hospital /Palestine) |
| 2005 | Dr. Suleiman Al Khalil  Dr. Waleed Sweileh  ( Internal Examiner) | Maram Zakareya Abdul-Allah Hajjaj | Utilization of Antibiotics in Nablus City- Palestine Pharmaco-epidemiological Study |
| 2018 | Dr. Murad Abu aIhasan  ( Internal Examiner) | Kefah Rasmi Abu Shebab | Pharmaceutical Dosage Form Preparation of a Synthesized Celecoxib Salt and Development of a Validated Method for its Analysis |
| 2019 | Dr. Awni Abu -Hijleh  (Internal Examiner)  Prof. Hilal Zaid | Raghad  Albzoor | Medicinal Plants as a Source of Inhibitors of the Digestive Enzymes: Alpha-glucosidase, Alpha-amylase and Pancreatic Lipase |
| 2019 | Dr. Mohyeddin Assali & Dr. Murad Abualhasan (Internal Examiner) | Hadeel Yousif Sawaftah | Selective Cyclooxygenase 2 inhibitors:  Synthesis and biological evaluation |
| 2021 | Prof. Abed Naser Zaid (Internal Examiner) | Ohood Khatatbeh | Formulation and Evaluation of Cefpodoxime Proxetil Chewable Tablets |
| 2021 | Dr. Ahmad Mustafa Eid (Internal Examiner) | Dalal Yousef Tayah | Nanoemulgel Formulation for Topical Delivery of Miconazole Nitrate |
| 2021 | Prof. Abed Naser Zaid  Rowa’a Al Ramahi  (Internal Examiner) | Nawras Yusuf Radwany | In-vitro and in vivo Post-marketing Surveillance of Rosuvastatin among Palestinian Patients |
| 2016 | Professor Mahmood AbuHaded  External examiner  Al-Quds University | Aya Ali Ahmed Qadi | Exhaustive extraction and screening of antimicrobial activities of Bupleurium subovatum: a member of Palestinian flora |
| 2017 | Prof. Dr. Saleh Abu-Lafi  External Examiner  Al-Quds University | Ali Hasan Ali Jahajha | GC-MS analysis of the secondary metabolites from the leaves of wild Palestinian Calaminths incana and their in-vitro antioxidant and antimicrobial activities |
| 2018 | Prof. Saleh Abu-Lafi & Dr. Fuad Rimawi  External Examiner  Al-Quds University | Maryam Khaled Mohammad Sawalha | Phytochemical screening of wild Ephedra foeminea and Smilax aspera fruits and their in-vitro pharmacological activities |
| 2016 | : Dr. Fuad Al-Rimawi&Dr. Jehad Abbadi  External Examiner  Al-Quds University | Wael Hani Ali Dwaik | Characterizing the Phenolic Compounds contents and Antioxidant Activity of Extra Virgin Olive Oils collected from different regions of West Bank- Palestine |

**Publications**

1. **Jaradat N**, Qneibi M, Hawash M, Al-Maharik N, Qadi M, Abualhasan MN, 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;176:114360.

2. Salama Y, **Jaradat N**, Hattori K, Heissig B. Aloysia Citrodora Essential Oil Inhibits Melanoma Cell Growth and Migration by Targeting HB-EGF-EGFR Signaling. International journal of molecular sciences. 2021;22(15):8151. doi:10.3390/ijms22158151.

3. Robinson N, **Jaradat N**. 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;47:101377.

4. Qneibi M, Hamed O, **Jaradat N**, Hawash M, Al-Kerm R, Al-Kerm R, et al. The AMPA receptor biophysical gating properties and binding site: Focus on novel curcumin-based diazepines as non-competitive antagonists. Bioorganic Chemistry. 2021;116:105406. doi: 10.1016/j.bioorg.2021.

5. **Jaradat N**, Qadi M, Ali I, Hussein F, Issa L, Rashdan D, et al. Phytochemical screening, antiobesity, antidiabetic and antimicrobial assessments of Orobanche aegyptiaca from Palestine. BMC Complementary Medicine and Therapies. 2021;21(1):1-8.

6. **Jaradat N**, Khasati AI, Al-Maharik N, Eid AM, Jundi W, Zatar NAA, 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):1421-8.

7. **Jaradat N**, Khasati A, Hawi M, Qadi M, Amer J, Hawash M. In vitro Antitumor, Antibacterial, and Antifungal Activities of Phenylthio-Ethyl Benzoate Derivatives. Arabian Journal for Science and Engineering. 2021;46(6):5339-44.

8. **Jaradat N**, Hawash M, Abualhasan MN, Qadi M, Ghanim M, Massarwy E, 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):1-11.

9. **Jaradat N**, Hamayel A, Assaassa A, Hammad F, Mosa A, Nafaa F, 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. 2021:101400.

10. **Jaradat N**, Ghanim M, Abualhasan MN, Rajab A, Kojok B, Abed R, et al. Chemical compositions, antibacterial, antifungal and cytotoxic effects of Alhagi mannifera five extracts. Journal of Complementary and Integrative Medicine. 2021.

11. **Jaradat N**, Dwikat M, Amer J, Hawash M, Hussein F, Qneibi M, 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:doi: 10.1155/2021/6690646.

12. **Jaradat N**, Dacca H, Hawash M, Abualhasan MN. Ephedra alata fruit extracts: phytochemical screening, anti-proliferative activity and inhibition of DPPH, α-amylase, α-glucosidase, and lipase enzymes. BMC chemistry. 2021;15(1):1-13.

13. **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):2831.doi: 10.3390/molecules26092831.

14. Hawash M, Qneibi M, **Jaradat N**, Abualhasan M, Amer J, Amer E-H, 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. 2021:1-9.

15. Hawash M, **Jaradat N**, Shekfeh S, Abualhasan M, Eid AM, Issa L. Molecular docking, chemo-informatic properties, alpha-amylase, and lipase inhibition studies of benzodioxol derivatives. BMC Chemistry. 2021;15(1):1-10.

16. Hawash M, **Jaradat N**, Abualhasan M, Amer J, Levent S, Issa S, et al. Synthesis, chemo-informatics, and anticancer evaluation of fluorophenyl-isoxazole derivatives. Open Chemistry. 2021;19(1):855-63.

17. Abdalrazeq M, **Jaradat N**, Qadi M, Giosafatto CVL, Dell’Olmo E, Gaglione R, et al. Physicochemical and Antimicrobial Properties of Whey Protein-Based Films Functionalized with Palestinian Satureja capitata Essential Oil. Coatings. 2021;11(11):1364. doi:10.3390/coatings11111364.

18. Zaid AN, Hassan M, **Jaradat N**, Assali M, Al-Abbassi R, Alkilany A, et al. Formulation and characterization of combretastatin A4 loaded PLGA nanoparticles. Materials Research Express. 2020;6(12):1250d7.

19. Qneibi M, **Jaradat N**, Hawash M, Olgac A, Emwas N. Ortho versus Meta Chlorophenyl-2, 3-Benzodiazepine Analogues: Synthesis, Molecular Modeling, and Biological Activity as AMPAR Antagonists. ACS omega. 2020:https://dx.doi.org/10.1021/acsomega.9b04000.

20. Maharik N, **Jaradat N**. Synthesis of Nitro-and Aminoisoflavones and their Effects on the Proliferation of Endothelial Cells. Journal of the Chemical Society of Pakistan. 2020;42(4):572-80.

21. Lamees Rabi, Mohammad Altamimi, **Jaradat N**. Phytoconstituents, antioxidant and inhibitory activity against α-amylase and α-glucosidase of Opuntia ficus-indica. An - Najah Univ J Res (N Sc). 2020;34(1):31-48.

22. **Jaradat N**, Qadi M, Abualhasan MN, Al-lahham S, Al-Rimawi F, Hattab S, et al. Carbohydrates and lipids metabolic enzymes inhibitory, antioxidant, antimicrobial and cytotoxic potentials of Anchusa ovata Lehm. from Palestine. European Journal of Integrative Medicine. 2020:101066.

23. **Jaradat N**, Hawash M, Abualhasan M. Synthesis and biological evaluation of benzodioxol derivatives as cyclooxygenase inhibitors. Letters in Drug Design & Discovery. 2020;17(9):1117-25.

24. **Jaradat N**, Al-Maharik N, Abdallah S, Shawahna R, Mousa A, Qtishat A. 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;158:112946. doi: 10.1016/j.indcrop.2020.

25. **Jaradat N**, Adwan L, Zaid AN, K’aibni S, Arar M. Composition, Anticholinesterase and Antipedicular Activities of Satureja capitata L. Volatile Oil. Open Life Sciences. 2020;15(1):60-7.

26. **Jaradat N**. Phytochemistry, traditional uses and biological effects of the desert plant Styrax officinalis L. Journal of Arid Environments. 2020;182:104253.

27. Hawash M, **Jaradat N**, Hameedi S, Mousa A. Design, synthesis and biological evaluation of novel benzodioxole derivatives as COX inhibitors and cytotoxic agents. BMC chemistry. 2020;14(1):1-9.

28. Hawash M, Eid AM, **Jaradat N**, Abualhasan M, Amer J, Zaid AN, et al. Synthesis and biological evaluation of benzodioxole derivatives as potential anticancer and antioxidant agents. Heterocyclic Communications. 2020;26(1):157-67.

29. Eid AM, **Jaradat N**. Public knowledge, attitude, and practice on herbal remedies used during pregnancy and lactation in West Bank Palestine. Frontiers in pharmacology. 2020;11:46.

30. Bassalat N, Taş S, **Jaradat N**. 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:doi:10.1155/2020/3272103.

31. Al-Maharik N, **Jaradat N**, Qneibi M, Abualhasan MN, Emwas N. Glechoma curviflora Volatile Oil from Palestine: Chemical Composition and Neuroprotective, Antimicrobial, and Cyclooxygenase Inhibitory Activities. Evidence-Based Complementary and Alternative Medicine. 2020;2020:doi:10.1155/2020/4195272.

32. Al-Maharik N, **Jaradat N**. Synthesis of novel aminoisoflavones and their L-alanyl conjugates, for possible use in chromogenic media for the detection of aminopeptidase. Journal of Materials and Environmental Sciences. 2020;11(2):238-46.

33. Al-Lahham S, Sbieh R, **Jaradat N**, Almasri M, Mosa A, Hamayel A, et al. Antioxidant, antimicrobial and cytotoxic properties of four different extracts derived from the roots of Nicotiana tabacum L. European Journal of Integrative Medicine. 2020;33:101039.

34. ZAID AN, **JARADAT N**, MALKIEH N, AL-RIMAWI S, HUSSEIN F, ISA L, et al. Impact of Sesame Oil Source: A Quality Assessment for Cosmeceutical and Pharmaceutical Use. FABAD J Pharm Sci. 2019;44(3):189-96.

35. Shehadeh M, **Jaradat N**, Al-Masri M, Zaid AN, Hussein F, Khasati A, et al. Rapid, cost-effective and organic solvent-free production of biologically active essential oil from Mediterranean wild Origanum syriacum. Saudi Pharmaceutical Journal. 2019.

36. Shadid KA, Al-Lahham S, Jaradat N, Abu-Nameh ES, Qaisi AM. Preliminary Phytochemical Screening, Antioxidant and Antimicrobial Activities of the Aqueous, Methanol, Acetone, and Hexane Fractions of Centaurea cyanoides Wahlenb. Jordan Journal of Pharmaceutical Sciences. 2019;12(1):21-32.

37. Qneibi M, Jaradat N, Hawash M, Zaid AN, Natsheh A-R, Yousef R, et al. The Neuroprotective Role of Origanum syriacum L. and Lavandula dentata L. Essential Oils through Their Effects on AMPA Receptors. BioMed Research International. 2019;2019:doi: 10.1155/2019/5640173.

38. Qneibi M, Jaradat N, Emwas N. Effect of Geraniol and Citronellol Essential Oils on the Biophysical Gating Properties of AMPA Receptors. Applied Sciences. 2019;9(21):4693.

39. Qneibi M, Hamed O, Natsheh A-R, Fares O, Jaradat N, Emwas N, et al. Inhibition and assessment of the biophysical gating properties of GluA2 and GluA2/A3 AMPA receptors using curcumin derivatives. PloS one. 2019;14(8).

40. Qneibi M, Hamed O, Natsheh A-R, Fares O, **Jaradat N**, Emwas N, et al. Inhibition and assessment of the biophysical gating properties of GluA2 and GluA2/A3 AMPA receptors using curcumin derivatives. PloS one. 2019;14(8):e0221132.

41. Qneibi M, Hamed O, Fares O, Jaradat N, Natsheh A-R, AbuHasan Q, et al. The inhibitory role of curcumin derivatives on AMPA receptor subunits and their effect on the gating biophysical properties. European Journal of Pharmaceutical Sciences. 2019;136:104951.

42. Qneibi M, Hamed O, Fares O, **Jaradat N**, Natsheh A-R, AbuHasan Q, et al. The inhibitory role of curcumin derivatives on AMPA receptor subunits and their effect on the gating biophysical properties. European Journal of Pharmaceutical Sciences. 2019;136:doi: 10.1016/j.ejps.2019.06.005.

43. Omar JS, Khasati A, Qadoumi AN, Qadoumi M, **Jaradat N**. Watermelon juice and aquatic exercises, their synergistic effect on some physical fitness and physiological variables in males and females volunteers. Marmara Pharmaceutical Journal. 2019;23(3):387-94.

44. Mrabti HN, **Jaradat N**, Kachmar MR, Ed-Dra A, Ouahbi A, Cherrah Y, et al. Integrative herbal treatments of diabetes in Beni Mellal region of Morocco. Journal of integrative medicine. 2019;17(2):93-9.

45. Mrabti HN, **Jaradat N**, Kachmar MR, Ed-Dra A, Ouahbi A, Cherrah Y, et al. Integrative herbal treatments of diabetes in Beni Mellal region of Morocco. Journal of integrative medicine. 2019:doi: 10.1016/j.joim.2019.01.001.

46. **Jaradat NA**, Al-lahham S, Zaid AN, Hussein F, Issa L, Abualhasan MN, et al. Carlina curetum plant phytoconstituents, enzymes inhibitory and cytotoxic activity on cervical epithelial carcinoma and colon cancer cell lines. European Journal of Integrative Medicine. 2019;30:100933.

47. **Jaradat N**, Zaid AN. Herbal remedies used for the treatment of infertility in males and females by traditional healers in the rural areas of the West Bank/Palestine. BMC complementary and alternative medicine. 2019;19(1):194.

48. **Jaradat N**, Khasati A, Abu-Shanab B, Al-lahham S, Zaid AN, Abualhasan M, et al. Bactericidal, Fungicidal, Helminthicidal, Antioxidant, and Chemical Properties of Chrozophora obliqua Extract. Phytothérapie. 2019:Doi: 10.3166/phyto-2019-0134.

49. **Jaradat N**, Al-lahham S, Abualhasan MN, Ghannam D, Mousa K, Kolayb H, 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. 2019:1-8.

50. Iyad Ali, **Nidal Jaradat**, Abed Nasser Zaid, Ekhlas Yousef, Islam Haimoni, Aida Yaseen. The effect of different cooking methods on antioxidant activity of fruits and vegetables. J Mater Environ Sci. 2019;10(5):450-6.

51. Hawash M, **Jaradat N**, Elaraj J, Hamdan A, Lebdeh SA, Halawa T. Evaluation of the hypoglycemic effect of seven wild folkloric edible plants from Palestine. Journal of Complementary and Integrative Medicine. 2019:doi: 10.1515/jcim-2019-0032.

52. Eid AM, **Jaradat NA**, Elmarzugi NA, Alkowni R, Hussen F, Ayyash LA, et al. Anti-Microbial and Free Radical Scavenging Activities of Nigella Sativa Colloidal-Emulgel. Letters in Drug Design & Discovery. 2019;16(4):408-16.

53. Eid AM, Elmarzugi NA, Jaradat NA. Influence of sonication and in vitro evaluation of nifedipine self-nanoemulsifying drug delivery system. Brazilian Journal of Pharmaceutical Sciences. 2019;55:https://doi.org/10.1590/s2175-97902019000217497

54. Eid AM, Elmarzugi NA, Jaradat NA. Influence of sonication and in vitro evaluation of nifedipine self-nanoemulsifying drug delivery system. Brazilian Journal of Pharmaceutical Sciences. 2019;55.

55. Amer J, **Jaradat N**, Hattab S, Al-hihi S, Juma'a Re. Traditional Palestinian medicinal plant Cercis siliquastrum (Judas tree) inhibits the DNA cell cycle of breast cancer–Antimicrobial and antioxidant characteristics. European Journal of Integrative Medicine. 2019;27:90-6.

56. Al Zabadi H, Hussein A, Shaker J, Rahhal B, **Jaradat NA**, Al Qub M. Lung function and exercise performance assessment after inhalation of naturally essential oils: A descriptive observational study. Chulalongkorn Medical Journal. 2019;63(4):271-9.

57. Abu-Khalaf N, Zaid AN, **Jaradat N**, Alkilany AM, Abulateefeh SR, Ramahi RA, et al. Identification of substandard drug products using electronic tongue: cefdinir suspension as a pilot example. Drug Design, Development and Therapy. 2019;13 3249-58.

58. Abu-Khalaf N, Zaid AN, Jaradat N, Alkilany AM, Abulateefeh SR, Al Ramahi R, et al. Identification of substandard drug products using electronic tongue: cefdinir suspension as a pilot example. Drug Design, Development and Therapy. 2019;13:3249.

59. Abualhasan M, Jaradat N, Sawaftah Z, Mohsen H, Najjar D, Zareer W. Evaluation of Heavy Metals and Microbiological Contamination of Selected herbals from Palestine. Open Life Sciences. 2019;14(1):448-53.

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