Curriculum Vitae



Enthusiastic academic with experience in medical education, research, and university service, committed to excellence, innovation, and continuous professional development

Personal Information:

Name	:	**Yousef Mohammad Jaber Al-saraireh**
Nationality	:	Jordanian
Date of Birth	:	August 30th, 1980
Mobile No.	:	00962799172658
E-mail	:	Yousef.sar@Mutah.edu.jo Yousef_sar@hotmail.com
Major	:	Full Professor in Pharmacology & Therapeutics, Department of Pharmacology, Faculty of Medicine, University of Mutah, Jordan

Academic Qualifications:

- 2021: Full professor in pharmacology & therapeutics, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- 2017-2021: Associate professor in pharmacology & therapeutics, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- 2012-2017: Assistant professor in pharmacology & therapeutics, department of pharmacology, faculty of medicine, University of Mutah, Jordan

- 2008- 2012: Phd in pharmacology & therapeutics, University of Bradford, UK.

  Thesis entitled: Pharmacological evaluation of the inhibition of polysialyltransferases as a therapeutic strategy in cancer

- 2004-2005: Master of Science (MSc) with merit in pharmaceutical services and medicine control. University of Bradford, UK.

  Dissertation entitled: Selective Cyclooxygenase-2 inhibitors- reflections on their pharmacology, adverse effects, and future potential.

- 1999-2003: Bachelor (BSc) of Pharmacy. University of Sindh, Pakistan. **C.G.P.A = 3.59 out of 4.00**

- 1998: General secondary education certificate examination, Scientific stream (Jordan)

Administrative Experience:

- Vice dean, faculty of medicine, university of Mutah, Jordan from September 2024- till now.

- Chair of Pharmacology department, faculty of medicine, university of Mutah, Jordan from September 2023 to September 2024.

- Chair of Pharmacology department, faculty of medicine, university of Mutah, Jordan from September 2018 to September 2020.

- Chairman of Pharmacology department, faculty of medicine, university of Mutah, Jordan from September 2013 to September 2015.

- Head of the Graduate Studies Committee– Faculty of Medicine (2024-till now)
- Head of Research Laboratories and Animal House Committee – Faculty of Medicine (2024-till now)
- Head of Examination Committee – Faculty of Medicine (2024-till now)
- Member in Scientific Research Committee – Faculty of Medicine (2024-till now)
- Member in Higher Committee for Accreditation and Quality Assurance – Faculty of Medicine (2024-till now)
- Member in Conferences and Seminars Committee – Faculty of Medicine (2024-till now)
- Member in Curriculum Committee– Faculty of Medicine (2024-till now)

➢ Teaching Experience:

- Extensive teaching experience in pharmacology and therapeutics at both undergraduate and postgraduate levels within the Faculty of Medicine/ University of Mutah.

- Delivered lectures, seminars, interactive discussions, and problem-based learning (PBL) sessions using innovative and modern educational methods to enhance students' understanding, clinical reasoning, and critical thinking skills.

- Taught multiple system-based pharmacology and therapeutics courses, including:

  - ✓ General Pharmacology (second year)
  - ✓ Pharmacology& Therapeutics in human Musculo-skeletal & integumentary system (second year)
  - ✓ Pharmacology& Therapeutics in Human gastrointestinal system (Second year)
  - ✓ Pharmacology& Therapeutics in Human endocrine system (Second year)
  - ✓ Pharmacology& Therapeutics in Human respiratory system (Third year)
  - ✓ Pharmacology& Therapeutics in Human cardiovascular system (Third year)
  - ✓ Pharmacology& Therapeutics in Human central nervous system (Third year)
  - ✓ Pharmacology& Therapeutics in Human peripheral nervous system (Third year Medicine)
  - ✓ Pharmacology& Therapeutics in Human Hemapoeitic and Lymphatic system (Third year)
  - ✓ Pharmacology& Therapeutics in Human Genito-Urinary System (Third year Medicine)

- Actively contributed to curriculum development, course design, assessment preparation, and continuous review of teaching materials in accordance with quality assurance and accreditation standards.

- Maintained continuous engagement with recent scientific research and advances in pharmacology and therapeutics to support high-quality teaching and academic excellence.

- Supervised postgraduate students, proposed scientific research topics, and supervised thesis and research projects.

- Participated in academic responsibilities including examination preparation and correction, student advising, seminar coordination, and committee work while maintaining high instructional and professional standards.

Research Projects and Grants:

1. Principle investigator in the project entitled **Detection of Cytochromes P450s expression and autoantibodies generation in human cancers as novel targets for cancer diagnosis and therapy.** Grant of JD 29,000 from Mutah University. Awarded on June 2023. Project duration: 36 months

2. Co-investigator in the project entitled **Design and synthesis of metal, Metal oxide and polymeric nanomaterials for environmental and medical applications.** Grant of JD 90,000 from Mutah University. Awarded on June 2023. Project duration: 36 months

3. Principle investigator in the project entitled **Cytochromes P450 as targets for tumour-selective activation of cytotoxins.** Grant of JD 30,000 from Scientific Research Support Fund. Awarded on June 2014. Project duration: 36 months

4. Principle investigator in the project entitled **Validation of Polysialic acid (PSA) decoration of neural cell adhesion molecule (NCAM) as apotential therapeutic target in neuroendocrine tumours.** Grant of JD 33,000 from Mutah University. Awarded on February 2014. Project duration: 36 months

5. Principle investigator in the project entitled **Antitumor activity of novel cancer pro-drugs metabolically activated by selected isoforms of Cytochrome P450 in cancers.** Grant of JD 33,500 from Mutah University. Awarded on February 2013. Project duration: 36 months

6. Principle investigator in the project entitled **The evaluation of anti-cancer activity of propolis in an experimentally induced liver cancer in rats.** Grant of JD 18,636 from Mutah University. Awarded on February 2015. Project duration: 24 months

7. Co-investigator in the project entitled **GC-MS MS analysis and anticancer and antibacterial activity of essential oil.** Grant of JD 17,125 from Mutah University. Awarded on 16 February 2015. Project duration: 24 months

8. Co-investigator in the project entitled **The relationship between adipocytokines and Ghrelin and Obesity associated with Type II diabetes mellitus among Jordanians.** Grant of JD 13,950 from Mutah University. Awarded on 25 February 2013. Project duration: 36 months

Research Fellowships:

- Daniel Turnberg Fellowship Scheme in cancer pharmacology and therapeutics, at Institute of Cancer Therapeutics, University of Bradford, UK. Summer 2014.

- Postdoctoral fellowship in cancer pharmacology and therapeutics, at Institute of Cancer Therapeutics, University of Bradford, UK in Summer 2012.

Workshops, Trainings, and Professional Development Activities:

- Certified Quality Assessor for Higher Education Institutions, Accreditation and Quality Assurance Commission, 20 training hours. Amman, Jordan (2025).

- Erasmus+ supported training course on "Promotion Youth Employment in Remote Area in Jordan – Job-Jo. Leipzig Training Week, InfoE IG, Germany (2022)

- iBMS-Jo management meeting and training workshops Patras – Greece (19 Sep – 23 Sep 2021).

- Erasmus+ KA107 Staff Teaching Mobility Program, University of Medicine and Pharmacy of Craiova, Romania (2018) – Completed 8 hours of teaching mobility within the Erasmus+ bilateral academic exchange program between the University of Medicine and Pharmacy of Craiova and Mutah University

- Training course for operation and general maintenance for Shimadzu HPLC, EDX and SPM at Shimadzu training center, Istanbul, Turkey. June 2015.

- Training course for operation and general maintenance for Shimadzu GS/MS at Shimadzu training center, Istanbul, Turkey. June 2014.

- Pharmacovigilance Training Course, Jordanian Ministry of Health (2013), Training on adverse drug reactions and drug safety monitoring, Amman, Jordan.

- Mutah University Computer Driving License (MUCDL), Academic Development & Quality Assurance Center, Mutah University (2014).

- Workshop: "Primary Approach to Bronchial Asthma Family & Care Medicine," Sixth International Medical Conference of Al-Karak (2024), Al-karak, Jordan.

- Workshop: "Educational Workshop for Raising Awareness Among People Living with Diabetes," Sixth International Medical Conference of Al-Karak (2024), Al-karak, Jordan.

- Workshop: "Normal Child Development, Importance of Breastfeeding," Fifth International Medical Conference of Al-Karak and Thirteenth International Conference of the Faculty of Medicine, Mutah University (2023), Al-karak, Jordan.

- Laser Safety Awareness Training, University of Bradford, United Kingdom (2010).

- Community pharmacist in Al-Shuhada Pharmacy for one year, Al-karak, Jordan (2004).

- Industrial pharmacy training in Bristol-Myers Squibb company, Karachi, Pakistan, for four months (2003).

Publications:

1. **Al-Saraireh YM**, Alshammari FOFO, Hassan HA, Jaradat JH, Al-Abadleh AA, Satari AO, Al-Sarayreh SA, Al-Dalain SM, Al-Qtaitat A, Al Shuneigat JM, Hareedy MS. **CYP4B1 Expression in Breast Cancer: An Immunohistochemical Study with Complementary in silico Analyses**. Breast Cancer (Dove Med Press). **2026** Jul 7;18:612743. doi: 10.2147/BCTT.S612743. PMID: 42436652; PMCID: PMC13355642.

2. **Al-Saraireh YM**, Alshammari FO, Dmour A, Al-Abadleh AA, Ja'Awin M, Herzallah M, Sawaqed F, Satari AO, Al-Sarayreh SA, Al-Dalain SM, Al-Qtaitat A, Shuneigat JMA, Elsayed AM, Hareedy MS. **Immunohistochemical and Transcriptomic Assessment of Cytochrome 2J2 in Prostate and Renal Cancer**. Cancers (Basel). **2026** Aug 29;18(17):2809. doi: 10.3390/cancers18172809. PMID: 42738330; PMCID: PMC13564775.

3. Al-Zu'bi B, Alshammari FO, AlQaisi R, Jaradat JH, Al-Abadleh AA, Gousous RJ, Elsayed AM, **Al-Saraireh YM**, Hareedy MS. **Glypican-1 in**

Rhabdomyosarcoma: A Multi-omics Exploration of a Targetable Biomarker. Recent Pat Anticancer Drug Discov. **2026** Aug 31. doi: 10.2174/0115748928472096260821102954. Epub ahead of print. PMID: 42708284.

4. Al-Tawarh, Waad & Aldehayyat, Ruba & Arzine, Aziz & Er-rajy, Mohammed & **Al-saraireh, Yousef** & Alshahateet, Solhe & Al-Trawneh, Salah & Gousous, Rashed & Ben Hadda, Taibi & Al-sarayrah, Qutyba & Al-Shqairat, Ibrahim & Duong, Adam & Jodeh, Shehdeh & Hammouti, Belkheir & Azzaoui, Khalil & Hareedy, Mohammad. (**2026**). **Chitosan polymeric nanoparticles loaded with a grapefruit-derived flavonoid-rich extract containing naringenin: antibacterial activity, cytotoxicity evaluation and DFT interaction analysis**. Scientific Reports. 10.1038/s41598-026-72431-z.

5. Abd El Kareem HM, Saadawy SF, ELdaly MM, **Al-Saraireh Y**, Hassan HA. **Agomelatine versus gefitinib against HepG2 cells: Modulating PI3K/AKT and MAPK/RAF1/c-FOS pathways**. Mol Biol Rep. **2026** Jul 16;53(1):1183. doi: 10.1007/s11033-026-12287-8. PMID: 42461339.

6. Salem Hareedy M, Mubaideen HW, Al Tarawneh DO, Abu Ghaida SA, Zayed SF, Al-Sarayreh S, Elsayed AM, Kamel R, **Al-Saraireh YM**, Alnasser SM. **New Insights into Genetic Polymorphisms Influencing the Therapeutic Efficacy and Toxicity of Rivaroxaban**. J Clin Pharmacol. **2026** Jul;66(7):e70236. doi: 10.1002/jcph.70236. PMID: 42394189.

7. Youssef, Ahmed & Maaty, Doaa & El-Kelani, T. & **Al-saraireh, Yousef** & Hussein, Ismail & Negm, Walaa A. (**2026**). **Phytochemical Profiling and Preliminary Evaluation of Anticancer and Antimicrobial Activities of Ononis vaginalis** (Vahl.). Revista Vitae. 33. 10.17533/udea.vitae.v33n2a363745.

8. Alnawaiseh N, Al-Refu K, Sawaqed F, Al-Rawashdeh I, **Al-Saraireh YM. Gender-Based Differences in Clinical Academic Performance Among Sixth-Year Medical Students: A Five-Year Retrospective Study at Mutah University**. Adv Med Educ Pract. **2026** Sep 11;17:629350. doi: 10.2147/AMEP.S629350. PMID: 42746548; PMCID: PMC13576841.

9. S Mahgoub, R Dwairi, **Y Al-saraireh**, M Eyalsalma. **Association of ACE Gene I/D Polymorphisms with Metabolic Syndrome and Type 2 Diabetes in a Jordanian Cohort. -** Biomedical and Pharmacology Journal, **2026**

10. Al-Zu'bi B, Alshammari FOFO, AlQaisi R, Al-Abadleh AA, Satari AO, Al-Sarayreh S, **Al-Saraireh YM**, Hareedy MS. **Screening of cytochrome CYP26A1 expression in different bone tumors**. BMC Cancer. **2026** Jun 18. doi: 10.1186/s12885-026-16366-8. Epub ahead of print. PMID: 42316073.

11. Solhe F Alshahateet, Aziz Arzine, Salah A Al-Trawneh, **Yousef M Al-Saraireh**, Samir A Al-Taweel, Mohammad Salem Hareedy, Ahmed A Al-abadleh, Tala S Alshahateet, Oussama Khibech, Mohammed Merzouki, Khalil Azzaoui, Shehdeh Jodeh, Taibi Ben Hadda, Belkheir Hammouti, Adam Duong. **Re-Synthesis of Anticancer Zinc Oxide Nanoparticles: Comparative ADMET, Acute Toxicity, and Mechanistic In-Silico Assessment of Thymol and Venetoclax Using Docking, POM Analysis, and Molecular Dynamics Simulations.** *BioNanoSci.* **16**,348(**2026**). https://doi.org/10.1007/s12668-026-02590-w

12. Dwairi, R., Al-Refu, K., Al Tah, B., Al Saraireh, T., Al Dwairy, M., Al-Qarawneh, A., **Al-Saraireh, Y. M**. (**2026**). **Female Sexual Dysfunction and Irritable Bowel Syndrome: A Cross-Sectional Study in Jordanian Women**. International Journal of Women's Health, 18. https://doi.org/10.2147/IJWH.S563741

13. Dmour, A.; Khair, Y.; Alyamani, A.; Sirbu, P.-D.; Dmour, B.-A.; Al-Zoubi, A.; **Al-Saraireh, Y**.; Gheorghevici, T.-S.; Tirnovanu, S.-D.; Popescu, D.-C.; et al. **Prognostic Value of Intraoperative Distal Radioulnar Joint Instability Grading in Distal Radius and Galeazzi Fractures: A Prospective Multicenter Cohort Study**. Life **2026**, 16, 437. https://doi.org/10.3390/life16030437

14. Sawaqed F, Suoub M, Ayyad M, **Al-Saraireh YM**. **Therapeutic supplementation with antioxidants and vitamins improved sperm motility among infertile men with idiopathic low spermatogenesis**. Archivio Italiano di Urologia, Andrologia : Organo Ufficiale [di] Societa Italiana di Ecografia Urologica e Nefrologica. **2026** Mar;98(1):14685. DOI: 10.4081/aiua.2026.14685. PMID: 41778998.

15. Al-zu'bi, B.; Alshammari, F.O.; AlQaisi, R.; Jaradat, J.H.; Herzallah, M.; Ja'Awin, M.; Satari, A.O.; **Al-saraireh, Y.M**.; Hareedy, M.S. **Expression and Clinical Significance of Cytochrome 1B1 in Bone Sarcomas.** Pharmaceuticals 2025, 18, 1559. https://doi.org/10.3390/ph18101559

16. Samir Al-Taweel, **Yousef Al-Saraireh**, Salah Al-Trawneh, Solhe Alshahateet, Rakan Al- Tarawneh, Wael Zereini, Omar Al-Qaralleh, Ahmed Al-sarayreh, Mohammad Salem Hareedy, Y.M. Abuhalaweh,

Amer Hussien Tarawneh. **Synthesis and biological evaluation of norfloxacin – 1,2,3-triazole hybrids as antitumor, antibacterial, and antioxidant agents**. Results in Chemistry, Volume 16, July 2025, Pages 102505

17. Solhe F. Alshahateet, Salah A. Al-Trawneh, Safaa Hidaoui, Er-rajy Mohammed, Mohammed Zerrouk, **Yousef M. Al-Saraireh**, Waad M. Al-Tawarh, Mohammad S. Hareedy, Ahmed A. Al-Abadleh, Tala S. Alshahateet, Khalil Azzaoui, Belkheir Hammouti, Ismail Warad. **Structural Characterization, Hirshfield Surface Analysis, and Molecular Docking of Novel Diquinoline Derivatives as Anti-Tumor Agents**. Indonesian Journal of Science and Technology 11 (1), 127-148

18. Fadi Sawaqed, Mohammad Salem Hareedy, Malik Ayyad, Samer Al-Rawashdeh & **Yousef M. Al-saraireh**. **Patterns of symptoms and severity of interstitial cystitis/bladder pain syndrome: a clinical analysis**. Afr J Urol 31, 45 (2025). https://doi.org/10.1186/s12301-025-00517-7

19. Dwairi, R.; Al-Refu, K.; Aldiabat, B.; Al-Smirat, H.; Alnawaiseh, N.A.; Alhalabi, W.; **Al-Saraireh, Y.M**. **Modality of Dialysis and Gastrointestinal Symptoms: A Cross-Sectional Study in Jordanian Adults**. *KidneyDial*. **2026**, *6*,1 https://doi.org/10.3390/kidneydial6010001

20. Al-Refu, K., Al-Rawashdeh, I., Alnawaiseh, N., Sawaqed, F., & **Al-Saraireh, Y.** (2025). **Performance Trends and Grading Variability in Clinical Education: A Record-Based Cross-Sectional Study of Medical Graduate Students at Mutah University, Jordan**. *Advances in Medical EducationandPractice*, *16*,2409–2417. https://doi.org/10.2147/AMEP.S553555

21. Youssef, A. M., Althneibat, T. H., Maaty, D. A., Al Hujran, T. A., & **Al-Saraireh, Y. M.** (2024). **Bioactive compounds and profiling of anticancer and antioxidant activities of Euphorbia paralias L. family Euphorbiaceae**. *Journal of Pharmacy and Pharmacognosy Research*, *12*(4), 786-799.

22. A Hassan H, **Al-Saraireh Y**. **Aprepitant's roles in abating seizures, behavioral, and cognitive deficits in mice model of epilepsy**. Epilepsy Behav. 2024 Oct;159:110028. doi: 10.1016/j.yebeh.2024.110028. Epub 2024 Sep 1. PMID: 39217758.

23. Youssef AMM, Maaty DAM, **Al-Saraireh YM** (2024) **Qualitative chemical compounds analysis and *in vitro* estimation of antiproliferative, antidiabetic and anti-Alzheimer's disease effects**

of *Ononis natrix* (L.) family Fabaceae. Pharmacia 71:1-11. https://doi.org/10.3897/pharmacia.71.e119755

24. Al-Taweel S, **Al-Saraireh Y**, Al-Trawneh S, Alshahateet S, Al-Tarawneh R, Ayed N, Alkhojah M, Al-Khaboori W, Zereini W, Al-Qaralleh O. **Synthesis and biological evaluation of ciprofloxacin - 1,2,3-triazole hybrids as antitumor, antibacterial, and antioxidant agents**. Heliyon. 2023 Nov 28;9(12):e22592. doi: 10.1016/j.heliyon.2023.e22592. PMID: 38125538; PMCID: PMC10731006.

25. **Al-Saraireh YM**, Alshammari FOFO, Abu-Azzam OH, Al-Dalain SM, Al-Sarayra YM, Haddad M, Makeen H, Al-Qtaitat A, Almermesh M, Al-Sarayreh SA. **Targeting Cytochrome P450 Enzymes in Ovarian Cancers: New Approaches to Tumor-Selective Intervention.** Biomedicines. 2023 Oct 26;11(11):2898. doi: 10.3390/biomedicines11112898. PMID: 38001897; PMCID: PMC10669316.

26. Haddad, M.; Cherchi, F.; Alsalem, M.; **Al-saraireh, Y.M**.; Madae'en, S. **Adenosine Receptors as Potential Therapeutic Analgesic Targets**. Int. J. Mol. Sci. 2023, 24, 13160. https://doi.org/10.3390/ijms241713160

27. Youssef AMM, Maaty DAM, **Al-Saraireh YM. Phytochemical Analysis and Profiling of Antioxidants and Anticancer Compounds from *Tephrosia purpurea* (L.) subsp. *apollinea* Family Fabaceae**. Molecules. 2023 May 7;28(9):3939. doi: 10.3390/molecules28093939. PMID: 37175349; PMCID: PMC10180520.

28. Khleifat KM, Al-Tawarah NM, Al-Kafaween MA, Al-Ksasbeh W, Qaralleh H, Alqaraleh M, Al-Hamaideh KD, **Al-Saraireh YM**, Al-Sarayreh AZ, Al-Qaisi YT, Mohd Hilmi AB. **Memory Enhancing and Neurogenesis Activity of Honey Bee Venom in the Symptoms of Amnesia: Using Rats with Amnesia-like Alzheimer's Disease as a Model**. Curr Alzheimer Res. 2023 Jun 14.

29. Youssef, Ahmed MM, Doaa AM Maaty, and **Yousef M. Al-Saraireh**. **"Phytochemical Analysis and Profiling of Antitumor Compounds of Leaves and Stems of Calystegia silvatica (Kit.) Griseb.**" Molecules 28, no. 2 (2023): 630.

30. Al-Tawarah NM, Al-Dmour RH, Abu Hajleh MN, Khleifat KM, Alqaraleh M, **Al-Saraireh YM**, Jaradat AQ, Al-Dujaili EAS. ***Rosmarinus officinalis* and *Mentha piperita* Oils Supplementation Enhances Memory in a Rat Model of Scopolamine-Induced Alzheimer's Disease-like Condition**. Nutrients. 2023 Mar

22;15(6):1547. doi: 10.3390/nu15061547. PMID: 36986277; PMCID: PMC10056489.

31. Youssef, Ahmed MM, Doaa AM Maaty, and **Yousef M. Al-Saraireh**. **"Phytochemistry and Anticancer Effects of Mangrove (Rhizophora mucronata Lam.) Leaves and Stems Extract against Different Cancer Cell Lines.**" *Pharmaceuticals* 16, no. 1 (2022): 4.

32. Al-Sarayreh, Ahmad Z., Khaled M. Khleifat, Sa'ed M. Al-Dalain, **Yousef M. Al-Saraireh,** Yaseen T. Al-Qaisi, Ibrahim I. Al-Farrayeh, and Samer Y. Al-Qaraleh. **"Globularia arabica methanolic leaf extract has higher efficacy on burn wound healing in diabetic rats compared to Malva slyvestries methanolic leaf extract."** *Journal of Burn Care & Research: Official Publication of the American Burn Association* (2022): irac089-irac089.

33. Alshammari, F.O., Satari, A.O., Aljabali, A.S., Al-mahdy, Y.S., Alabdallat, Y.J., Al-sarayra, Y.M., Alkhojah, M.A., Alwardat, A.R.M., Haddad, M., Al-sarayreh, S.A. and **Al-saraireh, Y.M., 2022. Glypican-3 Differentiates Intraductal Carcinoma and Paget's Disease from Other Types of Breast Cancer. *Medicina*, *59*(1), p.86.**

34. **Al-Saraireh, Y. M.,** Alshammari, F. O., Satari, A. O., Al-Mahdy, Y. S., Almuhaisen, G. H., Abu-Azzam, O. H., ... & Al-Sarayreh, S. A. (2022)**. Cytochrome 4Z1 Expression Connotes Unfavorable Prognosis in Ovarian Cancers. Medicina, 58(9), 1263.**

35. **Al-saraireh YM,** Alshammari FOFO, youssef AMM, Al-Sarayreh S, Almuhaisen GH, Alnawaiseh N, Al-Shuneigat JM, Alrawashdeh HM. **Cytochrome 4Z1 Expression is Associated with Poor Prognosis in Colon Cancer Patients. Onco Targets Ther.** 2021;14:5249-5260

36. **Al-saraireh YM**, Alshammari FOFO, Youssef AMM, Al-sarayra YM, Al-saraireh RA, Al-muhaisen GH, Al-mahdy YS, Al-Kharabsheh AM, Abufraijeh SM, Alrawashdeh HM. **Cytochrome 4Z1 Expression Is Correlated with Poor Prognosis in Patients with Cervical Cancer**. ***Current Oncology***. 2021; 28(5):3573-3584

37. **Yousef Al-saraireh**, Nafea Alboaisa, Hamzeh Alrawashdeh, Omar Hamdan, Sameeh Al-Sarayreh, Jehad Al-Shuneigat, Mohammad Nofal (2020). **Screening of cytochrome 4Z1 expression in human non-neoplastic, pre-neoplastic and neoplastic tissues**, ***ecancermedicalscience***, 14:1114

38. **Yousef Al-Saraireh**, Fatemah Alshammari, Ahmed Youssef, Sameeh Al-Sarayreh, Ghadeer Almuhaisen, Nedal Alnawaiseh, Jehad Al-Shuneigat,

Hamzeh Alrawashdeh (2021). **Profiling of CYP4Z1 and CYP1B1 expression in bladder cancers**, ***Scientific reports- Nature***, 11:5581

39. **Al-Saraireh YM**, Alshammari FO, Youssef AM, et al. **Screening of Glypican-6 Expression in Benign, Primary and Metastatic Colon Cancers.** ***Clinical Medicine Insights: Oncology*****.** January 2021.

40. **Al-saraireh YM,** Alshammari FOFO, Youssef AM, Al-Tarawneh F, Al-Sarayreh S, Almuhaisen GH, Satari AO, Al-Shuneigat J, Alrawashdeh HM. **Cytochrome 4Z1 Expression is Associated with Unfavorable Survival in Triple-Negative Breast Cancers. Breast Cancer** (Dove Med Press). 2021;13:565-574cancers

41. **Yousef Al-Saraireh**, Ahmed Youssef, Ahmad Alsarayreh, Tayel Al Hujran, Sameeh Al-Sarayreh, Jehad Al-Shuneigat, Hamzeh Alrawashdeh (2021). Phytochemical and anti-cancer properties of *Euphorbia hierosolymitana*Boiss. crude extracts, ***Journal of Pharmacy & Pharmacognosy Research***, 9(1): 13-23

42. **Al-saraireh YM**, Youssef AM, Alshammari FO, Al-Sarayreh SA, Al-Shuneigat JM, Alrawashdeh HM, et al. Phytochemical characterization and anti-cancer properties of extract of Ephedra foeminea (Ephedraceae) aerial parts. **Trop J Pharm Res** 2021; 20(8):1675-1681

43. **Yousef Al-Saraireh**, Amal Akour, Muyyed Alhamydeh, Alaaldeen Alfaqara, Said Al-Dalaen, Sameeh Al-Sarayreh, Arwa Rawashdeh, Jehad Al-Shuneigat (2020). **The Efficacy and Safety of Metformin and Glimepiride Combination among Jordanian Patients with Type 2 Diabetes during Ramadan**. **Jordan Journal of Pharmaceutical Sciences**, Volume 13, No. 4, 2020

44. **Al-Saraireh Y**, Alrawashdeh F, Al-Shuneigat J, Alsbou M, Alnawaiseh N, Al-Shagahin H, Youssef A. **Screening of Glypican- 3 Expression in Human Normal Versus Benign and Malignant Tissues: A Comparative Study**. Biosci Biotech Res Asia 2016;13(2).

45. **Al-Saraireh Y**, Haddadin W, Alboaisa N, Alarjat J, Al-Shuneigat J, Alnawaiseh N, Youssef A, Al-Shagahin H. **Expression of Chemokine Receptor CXCR4 in Primary and Metastatic Neuroblastoma**. Biomed Pharmacol J 2016;9(2).

46. **Al-Saraireh, Y. M.**, Haddadin, W. J., Alboaisa, N. S., Youssef, A. M., Alsbou, M. S., Al-Shuneigat, J. M., & Al-Shagahin, H. M. (2016).

Glypican-3 Expression in Primary and Metastatic Neuroblastoma. Jordan Journal of Biological Sciences, 9(4).

47. **Al-Saraireh, Y.M.J**.; Sutherland, M.; Springett, B.R.; Freiberger, F.; Ribeiro Morais, G.; Loadman, P.M.; Errington, R.J.; Smith, P.J.; Fukuda, M.; Gerardy-Schahn, R.; Patterson, L.H.; Shnyder, S.D.; Falconer, R.A.**Pharmacological inhibition of polysialyltransferase ST8SiaII modulates tumour cell migration**. PLoS ONE, 2013.

48. Alshammari FO, **Al-Saraireh YM**, Youssef AM, AL-sarayra YM, Alrawashdeh HM. **Glypican-1 Overexpression in Different Types of Breast Cancers. Onco Targets Ther**. 2021;14:4309-4318

49. Alshammari FOFO, **Al-Saraireh YM**, Youssef AMM, Al-Sarayra YM, Alrawashdeh HM. **Cytochrome P450 1B1 Overexpression in Cervical Cancers: Cross-sectional Study. Interact J Med Res.** 2021;10(4):e31150. Published 2021 Oct 12. doi:10.2196/31150

50. E Albataineh, N Al-Nawaiseh, S Al-Sarayreh, **Y Al-Saraireh**, E Al-Zayadneh, M Abu-Lobbad (2018). **Serologic Screening of Celiac Disease in Patients With Type 1 Diabetes**. ***Journal of Endorinology and Metabolism***, 8(2-3):37-42

51. JEHAD AL-SHUNEIGAT1, SAMEEH AL- SARAYREH, MAHMOUD ALQUDAH, **YOUSEF AL–SARAIREH**, IBRAHIM AL-TARAWNEH (2019). **CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF ESSENTIAL OIL OF Achillea biebersteinii. International Journal of Biology, Pharmacy and Allied Sciences,** 8 (11).

52. Jehad Al-Shuneigat, Sameeh Al- Sarayreh, Mahmoud Al-Qudah ,**Yousef Al–Saraireh** and Ibrahim Al-Tarawneh (2019). **Chemical Composition and Antioxidant Activity of Essential Oil of Achillea santolina**. ***Indian Journal of Natural Scinces***, 56(10).

53. Al-Shuneigat JM , Al-Sarayreh SA, Al-Qudah MA, **Al-Saraireh YM** (2020). **Antibacterial and antibiofilm activity of essential oil of Achillea biebersteinii and its mode of action**, ***Journal of Pharmacy & Pharmacognosy Research***, 8(2): 155-166.

54. Al-Shuneigat J , Al-Sarayreh S, Rawashdeh A, **Al-Saraireh Y**, Al-Shagahin H, Al-Qudah M, Altarawneh B (2020).**Evaluating some biomarkers for diagnosis, prediction and therapy monitoring in a sample of hepatocellular carcinoma patients from Jordan,** ***Medical Science***, 24(103): 1027-1035.

55. Jehad Al-Shuneigat, Sameeh Al-Sarayreh, **Yousef Al-Saraireh**, Mahmoud Al-Qudah (2020). **Effect of *Achillea santolina* essential oil on bacterial biofilm and its mode of action**, ***Current Issues in Pharmacy and Medical Sciences***, 33(2): 83-89.

56. Sameeh Al-Sarayreh, Jehad Al-Shuneigat, **Yousef Al–Saraireh**, Mahmoud Al-Qudah (2021). **Evaluating the effect of achillea fragrantissima essential oil on bacterial biofilm and its mode of action,** ***International Journal of Biology, Pharmacy and Allied Sciences***, 10(12): 3451-3462.

57. Sameeh Al-Sarayreh, Jehad Al-Shuneigat, **Yousef Al–Saraireh**, Faris Alsaraireh, Arwa Rawashdeh, Samir Mahgoub (2020). **The relationship between Adipocytokines & Ghrelin and Obesity associated with Type II Diabetes Mellitus among Jordanians**, ***Medical Science***, 24(105): 3459-3468.

58. Youssef AM, ElSwaify ZA, **Al-Saraireh YM**, Al-Dalain SM. **Anticancer effect of different extracts of Cynanchum acutum L. seeds on cancer cell lines. Phcog Mag** 2019;15:S261-6.

59. Ahmed M.M. YOUSSEF, Zeinab A.S. EL-SWAIFY, **Yousef M. AL-SARAIREH** & Saed M. AL-DALAIN (2018). **Cytotoxic Activity of Methanol Extract of Cynanchum acutum L. Seeds on Human Cancer Cell Lines. Lat. Am. J. Pharm.** 37 (10): 1997-2003

60. **Sameeh Al- Sarayreh**, Jehad Al-Shuneigat, Mahmoud Al-Qudah, Yousef Al–Saraireh, Ibrahim Al-Tarawneh (2020). Chemical composition and antioxidant activity of essential oil of artemisia judaica L., ***International Journal of Biology, Pharmacy and Allied Sciences***, 9(12): 3451-3462

61. Alsbou, M., S. Alzubiedi, H. Alzobi, N. A. Samhadanah, **Y. Al-saraireh**, O. Alrawashdeh, A. Aqel and K. Al-Salem. **Adverse drug reactions experience in a teaching hospital in Jordan**. Int J Clin Pharm 37(6) 2015 Dec;37(6):1188-93

62. Vinader, V., **Al-saraireh Y**., Wiggins HL., Rappoport JZ., Shnyder SD., Patterson LH., Afarinkia K.,. **An agarose spot chemotaxis assay for chemokine receptor antagonists**. J Pharmacol Toxicol Methods, **2011**. 64(3): p. 213-6.

63. Jehad Al-Shuneigat, Sameeh Al-Sarayreh, **Yousef Al-Saraireh**, Mahmoud Al-Qudah, Ibrahim Al-Tarawneh. **Effects of wild Thymus**

vulgaris essential oil on clinical isolates biofilm-forming bacteria. Journal of Dental and Medical Sciences 09/2014; 13(9):62-66

64. Jehad Al-Shuneigat, Sameeh Al- Sarayreh, Mahmoud Al-Qudah, Ibrahim Al-Tarawneh, **Yousef Al–Saraireh** and Aiman Al-Qtaitat. **GC-MS Analysis and Antibacterial Activity of the Essential Oil Isolated from Wild Artemisia herba-alba Grown in South Jordan**. British Journal of Medicine & Medical Research, 2014, 5(3), 297-302

65. Jehad Al-Shuneigat Sameeh Al-Sarayreh, **Yousef Al–Saraireh**, Mahmoud AlQudah, Ibrahim Al-Tarawneh, Said Al-Dalaen**. Chemical composition and antimicrobial activity of the essential oil of wild Thymus vulgaris grown in South Jordan**. IOSR Journal of Pharmacy and Biological Sciences,2014, 9(5), 78-82

66.J Al-Shuneigat, S Al-Sarayreh, **Y Al-Saraireh**, I Al-Tarawneh, M Al-Qudah, E Albataineh (2014). **Effects of Wild Artemisia herba-alba Essential Oil on Biofilm-Forming Bacteria**. *British Journal of Pharmaceutical Research*

67. Al-Qtaitat, Aiman; Al-Dalaen, Said; Mahgoub, Samir; Alnawaiseh, Nedal; Al-Shuneiqat, Jehad; Al-Sarayreh, Sameeh; **Al-Saraireh, Yousef**; Tarantino, Giovanni; Mouzaki, Athanasia; Mahmoud Ali, Hasan Sedeek **Plasma Thrombopoietin Level in Thrombocytopenic Patients with or without Liver Cirrhosis Chronically Infected by the Hepatitis C Virus**. British Journal of Medicine & Medical Research;2015, Vol. 5 Issue 7, p864

68.Al-Sarayreh, Sameeh A.; Al-Tarawneh, Ibrahim N.; Al-Sbou, Mohammed S.; Albatayneh, Eman M.; Al-Shuneigat, Jehad M.; **Al-saraireh, Yousef M. Measurements of Homogentisic Acid levels in Alkaptonuria Patients Using an Optimized and Validated Gas Chromatography Method/Mass Spectrometry**. Jordan Journal of Biological Sciences;2014, Vol. 7 Issue 3, p195

69.S Al-Dalaen, A Al-Qtaitat, S Mahgoub, N Alnawaiseh, J Al-Shuneigat, S Al-Sarayreh, **Y Al-Saraireh** (2014). **Ramipril and Valsartan as Protective Agents against Some Complications of an Experimentally Induced Obesity in Rats**. American Journal of Life Sciences, 2(4), pp. 241-250.

Conference posters/presentations

1. Falconer, R.A.; Springett, B.R.; **Al-Saraireh, Y.M.J**.; Saeed, R., Shnyder, S.D.; Patterson, L.H. “Modulation of cell-surface polysialic acid expression

and tumour migration" YCR Annual Scientific Meeting, 19 June **2012**, Harrogate, UK. Abstract 9.

2. **Al-Saraireh, Y.M.J**.; Springett, B.R.; Sutherland, M.; Gill, J.H.; Patterson, L.H.; Shnyder, S.D.; Falconer, R.A. "Polysialyltransferase inhibition and tumour cell migration" Neuroblastoma Research Symposium, 14 October **2011**, Institute of Child Health, London, U.K.

3. Falconer, R.A.; **Al-Saraireh, Y.M.J**.; Sutherland, M., Springett, B.R.; Shnyder, S.D.; Patterson, L.H. "Polysialyltransferase inhibition and tumour cell migration" YCR Annual Scientific Meeting, 14 June 2011, Harrogate, UK. Abstract 12.

4. **Al-Saraireh, Y.M.J**.; Springett, B.R.; Sutherland, M.; Gill, J.H.; Patterson, L.H.; Shnyder, S.D.; Falconer, R.A. "Polysialyltransferase inhibition and tumour cell migration" Neuroblastoma Research Symposium, 3 December **2010**, Cambridge, U.K.

5. **Al-Saraireh, Y.M.J**.; Springett, B.R.; Sutherland, M.; Gill, J.H.; Errington, R.J.; Smith, P.J.; Shnyder, S.D.; Patterson, L.H.; Falconer, R.A. "Polysialyltransferase inhibition and tumour cell migration" SialoGlyco2010, 21-26 August **2010**, Potsdam, Germany. Abstract C27.

6. Falconer, R.A.; **Al-Saraireh, Y.M.J**.; Springett, B.R.; Oliveira, I.; Sutherland, M.; Gill, J.H.; Shnyder, S.D.; Patterson, L.H. "α-2,8-Polysialyltransferase: a target for the development of anti-metastatic agents" YCR Annual Scientific Meeting, 22 June **2010**, Harrogate, UK. Abstract 41.

8. 9th Scientific conference, Faculty of medicine, Mutah University, April 2013

9. 10th Scientific conference, Faculty of medicine, Mutah University, April 2016

10. **Al-Saraireh, Y.M.J**.; Shnyder, S.D.; Patterson, L.H.; Falconer, R.A. "Validation of Polysialic acid (PSA) decoration of neural cell adhesion molecule (NCAM) as apotential therapeutic target in neuroendocrine tumors. Daniel Turnberg Alumni Conference. 9 November 2016, Nicosia, Cyprus.

11. **Al-Saraireh, Y.M.J**.; Shnyder, S.D.; Patterson, L.H.; Falconer, R.A. "Polysialic acid (PSA) decoration of neural cell adhesion molecule (NCAM) as a potential therapeutic target in neuroblastoma tumors. Daniel Turnberg Alumni Conference. 6 November 2019, Nicosia, Cyprus.

12. **Al-Saraireh, Y.M.J** "Cytochrome 4Z1 as Selective Drug Target in Cancers: A milestone of Success". Global Congress on Integrated Healthcare, May 15 - 16, 2022, Jordan.
13. Fifth International Medical Conference of Al-Karak and Thirteenth International Conference of the Faculty of Medicine, Mutah University (2023), Al-karak, Jordan.
14. Sixth International Medical Conference of Al-Karak (2024), Al-karak, Jordan.
15. Supervision of Oncology Student Interest Group (OSIG) Launch Day and Scientific Days, Mutah University (2025)
16. LGA 4 Conference organized by the International Federation of Medical Students' Associations – Jordan (IFMSA-Jo), held at Mutah University, Faculty of Medicine (2024).
17. 5th International Medical Al-Salt Conference (2025), accredited by the Jordanian Medical Council, Jordanian Nursing Council, and High Health Council.
18. Second Student Research Day, Faculty of Medicine, Mutah University (2025), including scientific workshops, oral presentations, poster presentations, and research evaluation activities.
19. LGA 5 Conference organized by the International Federation of Medical Students' Associations – Jordan (IFMSA-Jo), held at Mutah University, Faculty of Medicine (2026).

Memberships:

- Member in Jordan pharmaceutical Association.
- Member in Pakistan pharmaceutical Association
- Member in British association for cancer research
- Member of The European Association for Cancer Research
- Member of The Histochemical Society

Research interests:

1. Design and evaluation of novel drugs activated specifically by orphan Cytochromes
2. Analysis of tumor glycobiology and enzymology
3. Impact that various polymorphic variants of key drug metabolizing enzymes on drug activation processes and tumor biology

4. Development of experimental models tailored for the evaluation of molecules, particularly the use of multi-cell spheroids for both drug evaluation and target identification.

5. Development of experimental models tailored for the evaluation of molecules particularly the use of cell migration and invasion assays for drug evaluation as anti-metastatic drug

6. Anticancer and antimicrobial activities of plant extracts and essential oils

Key skills:

- Excellent skills in Microsoft Word, Excel and PowerPoint
- Proficient in the use of various graphic packages and data analysis software and in the use of chemical drawing packages such as Chem Draw, SPSS, Graph prism…. etc

Languages:

* Speaking and Writing: Arabic and English.

Scores:

- H-index: 21
  Google scholar: https://scholar.google.com/citations?user=Mf-fhVgAAAAJ&hl=en

References:

* Will be available upon request.