



Curriculum Vitae

Personal Information:

Name : Yousef Mohammad Jaber Al-saraireh
Nationality : Jordanian
Date of Birth : 30/8/1980
Mobile No. : 00962799172658
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Yousef_sar@hotmail.com
Major : Professor in Cancer pharmacology

Academic qualifications:

- 2022: Full professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- 2017-2022: Associate professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- 2012-2017: Assistant professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- 2008- 2012: Phd in Clinical pharmacology, 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.

- 1999-2002: Bachelor (BSc) of Pharmacy. Sindh University, Pakistan.
C.G.P.A = 3.59 out of 4.00
- 1998 General secondary education certificate examination, Scientific stream (Jordan)

Experience:

- Trainee pharmacist in Bristol-Myers Squibb, Pakistan for four months.
- Community pharmacist in Al-Shuhada Pharmacy for one year, Jordan.
- Three years experience in drug procurement and logistics in the directorate of medical supply, Royal Medical Services, Jordan Armed forces.
- Four years experience in general laboratory tasks in cell biology and pharmacology at Institute of Cancer Therapeutics, University of Bradford, UK.
- Techniques learned and used include Cell culturing, Immunohistochemistry, Immunocytochemistry, Flow cytometry, Western blotting, Gel electrophoresis, Cell invasion and migration assays and Confocal microscopy.
- Three months postdoctoral fellowship in cancer pharmacology at Institute of Cancer Therapeutics, University of Bradford, UK.
- In 2012, Appointed as a assistant professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan
- Three months fellowship awarded from Daniel Turnberg Fellowship Scheme in cancer pharmacology at Institute of Cancer Therapeutics, University of Bradford, UK. Summer 2014.
- Training course for operation and general maintenance for Shimadzu GS/MS at Shimadzu training center, Istanbul, Turkey. 1-8th June 2014.
- Training course for operation and general maintenance for Shimadzu HPLC, EDX and SPM at Shimadzu training center, Istanbul, Turkey. 11-18th June 2015.
- Two years experience as Chairman of Pharmacology department, faculty of medicine, university of Mutah, Jordan from September 2013 to September 2015.
- Promotion to Associate professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan in 2017.

- Chair of Pharmacology department, faculty of medicine, university of Mutah, Jordan 2018.
- Promotion to full professor in cancer pharmacology, department of pharmacology, faculty of medicine, University of Mutah, Jordan in 2022.

Research grants:

1. **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. **Validation of Polysialic acid (PSA) decoration of neural cell adhesion molecule (NCAM) as a potential therapeutic target in neuroendocrine tumours.** Grant of JD 20,000 from Mutah University. Awarded on February 2014. Project duration: 36 months
3. **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
4. **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
5. **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: 23 months
6. **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

Publications:

1. 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>
2. Al-Taweel S, **Al-Saraireh Y**, Al-Trawneh S, Alshahateet S, Al-Tarawneh R, Ayed N, Alkhozah 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.
3. **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.
4. 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>
5. 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.
6. 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.
7. 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.

8. 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.
9. 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.
10. 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.
11. Alshammari, F.O., Satari, A.O., Aljabali, A.S., Al-mahdy, Y.S., Alabdallat, Y.J., Al-sarayra, Y.M., Alkhozah, 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.**
12. **Al-Saraireh, Y. M.,** Alshammari, F. O., Satari, A. O., Al-Mahdy, Y. S., Almuhausen, G. H., Abu-Azzam, O. H., ... & Al-Sarayreh, S. A. (2022). **Cytochrome 4Z1 Expression Connotes Unfavorable Prognosis in Ovarian Cancers. *Medicina*, 58(9), 1263.**
13. **Al-saraireh YM,** Alshammari FOFO, youssef AMM, Al-Sarayreh S, Almuhausen 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**
14. **Al-saraireh YM,** Alshammari FOFO, Youssef AMM, Al-sarayra YM, Al-saraireh RA, Al-muhausen 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**
15. **Yousef Al-saraireh,** Nafea Alboaisa, Hamzeh Alrawashdeh, Omar Hamdan, Sameeh Al-Sarayreh, Jihad Al-Shuneigat, Mohammad Nofal

(2020). **Screening of cytochrome 4Z1 expression in human non-neoplastic, pre-neoplastic and neoplastic tissues**, *ecancermedicalscience*, 14:1114

16. **Yousef Al-Saraireh**, Fatemah Alshammari, Ahmed Youssef, Sameeh Al-Sarayreh, Ghadeer Almuhausen, Nedal Alnawaiseh, Jehad Al-Shuneigat, Hamzeh Alrawashdeh (2021). **Profiling of CYP4Z1 and CYP1B1 expression in bladder cancers**, *Scientific reports- Nature*, 11:5581
17. **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.
18. **Al-saraireh YM**, Alshammari FOFO, Youssef AM, Al-Tarawneh F, Al-Sarayreh S, Almuhausen 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
19. **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
20. **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
21. **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 Glimpiride Combination among Jordanian Patients with Type 2 Diabetes during Ramadan**. *Jordan Journal of Pharmaceutical Sciences*, Volume 13, No. 4, 2020
22. **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).

23. **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).
24. **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).
25. **Al-Saraireh, Y.M.J.**; Sutherland, M.; Springett, B.R.; Freiburger, 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.
26. 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
27. 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
28. 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 Endocrinology and Metabolism*, 8(2-3):37-42
29. 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).
30. 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 Sciences*, 56(10).
31. 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.

32. 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.**
33. Jihad 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.**
34. Sameeh Al-Sarayreh, Jihad 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.**
35. Sameeh Al-Sarayreh, Jihad 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.**
36. 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.**
37. Ahmed M.M. YOUSSEF, Zeinab A.S. EL-SWAIIFY, **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**
38. **Sameeh Al- Sarayreh**, Jihad 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**
39. 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**

40. 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.
41. Jihad 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
42. Jihad 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
43. Jihad 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
44. J Al-Shuneigat, S Al-Sarayreh, **Y Al-Saraireh**, I Al-Tarawneh, M Al-Qudah, E Albatineh (2014). **Effects of Wild Artemisia herba-alba Essential Oil on Biofilm-Forming Bacteria.** *British Journal of Pharmaceutical Research*
45. Al-Qtaitat, Aiman; Al-Dalaen, Said; Mahgoub, Samir; Alnawaiseh, Nedal; Al-Shuneiqat, Jihad; Al-Sarayreh, Sameeh; **Al-Saraireh, Yousef**; Tarantino, Giovanni; Mouzaki, Athanasia; Mahmoud Ali, Hasan Sedeeq **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
46. Al-Sarayreh, Sameeh A.; Al-Tarawneh, Ibrahim N.; Al-Sbou, Mohammed S.; Albatayneh, Eman M.; Al-Shuneigat, Jihad 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
47. 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 a potential 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.

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 in this class, 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, English and Urdu.

Scores:

- Research Gate score: 302.1
- H-index: 10

References:

* Will be available upon request.