

CURRICULUM VITAE



PERSONAL

- Name: Mohammad A. Y. Alqudah
- Date of Birth: Dec 4th, 1984
- Nationality: Jordanian
- Address: Department of Pharmacy Practice & Pharmacotherapeutics,
University of Sharjah, Sharjah, 27272, UAE
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EDUCATION:

- 2009-2013 **PhD** Clinical Pharmaceutical Sciences
Division of Pharmaceutics and Translational Therapeutics
Department of Pharmaceutical Sciences and Experimental Therapeutics
College of Pharmacy, the University of Iowa, Iowa, USA
- Thesis title:** The Oncogenic Role and the Prognostic Value of NOTCH3 Gene in Human Malignant Glioma
- 2009-2012 **Master** Clinical Pharmaceutical Sciences, College of Pharmacy,
The University of Iowa, Iowa, USA
- 2002-2008 **PharmD** Doctor of Pharmacy, Faculty of Pharmacy,
Jordan University of Science and Technology, Irbid, Jordan

ACADEMIC AND PROFESSIONAL APPOINTMENTS:

- 9/2008-7/2009 Teaching Assistant, Faculty of Pharmacy, Jordan
University of Science and Technology
- 9/2008-7/2009 Cardiology Preceptor, Faculty of Pharmacy, Jordan
University of Science and Technology
- 8/2009-8/2013 Graduate Student, Program in Clinical Pharmaceutical Sciences,
Faculty of Pharmacy, the University of Iowa

9/2013-8/2018	Assistant Professor of Clinical Pharmacy Department of Clinical Pharmacy, Faculty of Pharmacy Jordan University of Sciences and Technology
9/2014-8/2017	Chairman, Department of Clinical Pharmacy, Faculty of Pharmacy Jordan University of Sciences and Technology
9/2018-Present	Associate Professor of Clinical Pharmacy Department of Clinical Pharmacy, Faculty of Pharmacy Jordan University of Sciences and Technology
9/2019-8/2021	Chairman, Department of Clinical Pharmacy Services, King Abdullah University Hospital
9/2021-Present	Associate Professor of Clinical Pharmacy Department of Pharmacy Practice and Pharmacotherapeutics, Faculty of Pharmacy, University of Sharjah
9/2022-Present	PharmD Program Coordinator Department of Pharmacy Practice and Pharmacotherapeutics, Faculty of Pharmacy, University of Sharjah

AWARDS AND SCHOLARSHIPS:

- Jordan Royal Grant/ PharmD study (2002-2008)
- Jordan University of Sciences and Technology Scholarship (2009-2013)
- Health Sciences Research Week Award, 2013 Poster Session Winners, Carver College of Medicine, the University of Iowa, Iowa, USA (2013)

AFFILIATIONS:

2008-Present	Member, Jordan Pharmaceutical Association.
2013-2018	Assistant Professor, Clinical Pharmacy, JUST
2014-2021	Member, Institutional Review Board/ King Abdullah University Hospital.
2018-Present	Associate Professor, Clinical Pharmacy, JUST
2019-2021	Chair, Clinical Pharmacy Services/King Abdullah University Hospital.
2019-2021	Member, Pharmacy & Therapeutics committee/ King Abdullah University Hospital.
2021-Present	Associate Professor, Clinical Pharmacy, University of Sharjah.

WORKSHOPS

- Orientation workshop for newly employed faculty members, Jordan University of Sciences and Technology, October 23rd, 2013

- Statistical Package for the Social Sciences (SPSS)/ Jordan University of Sciences and Technology, May 26th – 27th, 2014
- Good Clinical Practice (ICH-GCP) Overview Workshop for Investigator, JUST-PRC, November 19th, 2014
- Innovative Teaching in Higher Education/ Jordan University of Sciences and Technology, Jun 1st -2nd, 2015
- Project Management/USAID Jordan Competitiveness Program, September 2016
- Development of Curriculum & Study plans/ Jordan University of Sciences and Technology, Jan 18th-19th, 2017
- Good Clinical Practice and Clinical Trial Quality/ Roche Ltd/ Hotel Grand Hayat, Amman, October 29th, 2017
- Online Learning Design/ Jordan University of Sciences and Technology, Dec 9th – 12th, 2019
- Examinations and evaluations/ Jordan University of Sciences and Technology, Oct 25th – Nov 1st, 2020
- Lexicomp and UpToDate/ College of Pharmacy/ University of Sharjah, Oct 7th, 2021
- Pre-Award: Research Funding Opportunities-Grants and Guidelines, University of Sharjah, Oct 28th, 2021

ACTIVITIES

- PharmD/ Optimal Pharmaceutical Care Program
- Free Medical Day/ Alshagarah/ Irbid, 2016
- Free Medical Day/ Aldulail/ Alzarqa, 2016
- Establishment of three research laboratories (N3L-1) for 16 faculty members in clinical pharmacy department in areas of cell culture model, vascular biology, and translational research
- Clinical Pharmacokinetics (& TDM) workshop for KAUH clinical pharmacists 6/2021

RESEARCH INTERESTS:

- Clinical Pharmacology, Therapeutics, and Molecular Biology of: Cancer and Neuropsychiatric Diseases
- Clinical Pharmacy and Pharmaceutical care services

JOURNAL REVIEWER

- Journal of Experimental & Clinical Cancer Research
- Journal of Clinical & Experimental Pharmacology ▪ Journal of Steroids & Hormonal Science
- Journal of Pharmaceutical Care & Health Systems

- Cancer Biomarkers
- Molecular Neurobiology
- Advanced Pharmaceutical Bulletin

JOURNAL EDITOR

- Frontiers in Pharmacology

FUNDED RESEARCH

Ongoing Projects:

1. **Dr. Mohammad Alqudah (PI)**, Dr. Sayer Alzzam, (Co-I) and Dr. Reema Karasneh (Co-I) **2021**. " Pharmaco-epidemiological investigation to explore cancer causation and progression: Project investigating use of commonly prescribed medications and risk of common cancers and survival". Deanship of Research, Jordan University of Science and Technology.
2. **Dr. Mohammad Alqudah (PI)**, Dr. Ahmed Alhusban (Co-I), Dr. Karem Alzoubi (Co-I), Hamid Alhaj (Co-I), and Mohammad Semreen (Co-I), **2023**. " Assessment of depression and anxiety among cancer patients in UAE: A cross sectional study". Research Institute of Medical & Health Sciences, University of Sharjah, Sharjah, UAE. **Amount: AED 200,000 (\$54,450)**
3. **Dr. Mohammad Alqudah (PI)**, Dr. Karem Alzoubi (Co-I) and Mohammad Semreen (Co-I), **2023**. " Evaluation of the Effect of Amlodipine on Proliferative, Migratory, and Invasive Potential of Brain Cancer Cells Using Metabolomics and Proteomics Analyses". Research Institute of Medical & Health Sciences, University of Sharjah, Sharjah, UAE. **Amount: AED 120,000 (\$32,650)**
4. Dr. Ahmad Abuhelwa (PI) and **Dr. Mohammad Alqudah (Co-I)**, Dr. Karem Alzoubi (Co-I) and Mohammad Semreen (Co-I), **2023**. "Association of Concomitant Medications with Survival and Adverse Events outcomes in Multiple Myeloma Patients Receiving Novel Immunomodulatory Regimens: A Comprehensive Analysis of Pooled Clinical Trial Data". Research Institute of Medical & Health Sciences, University of Sharjah, Sharjah, UAE. **Amount: AED 120,000 (\$32,650)**

Completed Projects:

1. **Dr. Mohammad Alqudah (PI)**, Dr. Nizar Mhaidat (Co-I) and Baraah AlRababah (Msc student) 2014-2015. "Effect of amlodipine on irinotecan-induced apoptosis in colorectal cancer". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**
2. Dr. Nizar Mhaidat (Co-I), Dr. **Mohammad Alqudah (Co-I)**, and Esraa Khader (Msc student) 2013-2014. "Effect of Metformin on irinotecan-induced apoptosis in colorectal cancer". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**

3. **Dr. Mohammad Alqudah (PI)**, Dr. Karm Alzoubi (Co-I), Dr Sayer Alazzam (Co-I) and Dr. Mohammad Alkhatatbeh (Co-I). Evaluating the overuse of proton pump inhibitors in stress ulcer prophylaxis. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$0**
4. Dr. Mohammad Alkhatatbeh (PI) and **Dr. Mohammad Alqudah (Co-I)**. Evaluation of Self-medication Practices among Medical and Pharmacy Students: A study from Jordan. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$2000**
5. **Dr. Mohammad Alqudah (PI)**, Dr. Nizar Mhaidat (Co-I) and Heba Mansour (Msc student) 2014-2015 “Effect of simvastatin on irinotecan-induced apoptosis in prostate cancer”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**
6. **Dr. Mohammad Alqudah (PI)**, Dr. Nizar Mhaidat (Co-I) and Dr. Mohammad Alkhatatbeh (Co-I), 2014 “Amlodipine in lung cancer as a potential anticancer agent”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$14,000**
7. Dr. Nehad Ayyoub (PI), **Dr. Mohammad Alqudah (Co-PI)** and Kamal Alshami (Msc student) 2016-2017 “Evaluation of the effect of Olaprib and Crizotinib combination on the proliferative, migratory and invasive potential of breast cancer cells”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**
8. **Dr. Mohammad Alqudah (PI)**, Dr. Nizar Mhaidat (Co-I) and Dr. Mohammad Alkhatatbeh (Co-I), 2015 “Evaluating the role of calcium-sensing receptors in lung cancer”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$14,000**
9. **Dr. Mohammad Alqudah (PI)**, Dr. Mohammad Alkhatatbeh (Co-I) and Fahmi Alashwal (Msc student) 2016-2017 “Evaluating the potential protective effect of vitamin E on oxaliplatin-induced genotoxicity in human cultured lymphocytes”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**
10. Dr. Karem Alzoubi (PI), **Dr. Mohammad Alqudah (Co-I)** and Ghaida’a Ma’abeh (Msc student), 2015-2017 “Evaluating the effect of Waterpipe Tobacco Smoke Exposure on Learning and Memory: Role of Vitamin C”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**
11. **Dr. Mohammad Alqudah (PI)** and Marwa Azayzih (Msc), 2015-2017 “Evaluation of the Effect of Calcium Sensing Receptor Blocking by NPS2143 on Proliferative, Migratory, and Invasive Potential of Breast Cancer Cells”. Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**

12. Dr. Mohammad Alkhatatbeh (PI) and **Dr. Mohammad Alqudah (Co-I)** and Neda Abdalqader (Msc student 2015-2016). "Awareness of hypoglycemic symptoms in insulin-treated diabetic patients". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$2000**

13. Dr. Ahmad Alhusban (PI), **Dr. Mohammad Alqudah (Co-I)** and Saeda Makableh (Msc student) 2018-2019 "Investigating the potential of metformin to function as a molecular chaperone; to reverse ER stress-induced effects on angiogenesis". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**

14. **Dr. Mohammad Alqudah (PI)** and Raneem Al-Samman (Msc student) 2018-2020 "Early detection of colorectal cancer self-reported perception, knowledge and attitude of pharmacists in Jordan". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$2000**

15. Dr. Shreen Nuseir (PI), **Dr. Mohammad Alqudah (Co-I)** and Eman Hammad (Msc student) 2018-2020 "Quantification of aflatoxins in frequently consumed herbal medicines". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**

16. Dr. Tareq Mukattash (PI), **Dr. Mohammad Alqudah (Co-I)** and Esraa Shammari (Msc student) 2018-2020 "A case-based assessment of pharmacists' knowledge and experience in pediatric pharmaceutical care". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$2000**

17. **Dr. Mohammad Alqudah (PI)** 2020-2021. "Evaluating the potential synergistic effect of combined treatment with amlodipine and cisplatin, carboplatin, paclitaxel or gemcitabine on NSCLC cells". Sponsor/Agency: Deanship of Research, Jordan University of Science and Technology. **Amount: \$8000**

18. **Dr. Mohammad Alqudah (PI)** and Dr. Karem Alzoubi (CoI), **2021.** " Evaluating the Potential Effect of Edaravone on Learning and Memory Impairment in Streptozotocin-Induced Diabetic Rats.". Deanship of Research, Jordan University of Science and Technology. **Amount: \$9000**

19. **Dr. Mohammad Alqudah (PI) 2021.** " Evaluation of the Effect of Amlodipine on Proliferative, Migratory, and Invasive Potential of Breast Cancer Cells". **Sabbatical leave.**

CONFERENCES AND ABSTRACTS

- Assem M, Sibenaller Z, Agarwal S, Al-Keilani M, **Alqudah M.A**, Marnier J, and Ryken T. Chromosome 19 amplification and the consequent NOTCH and VEGF pathways over-activation are associated with malignant glioma poor outcome. [Abstract]. In: Proceedings

of the 101st Annual Meeting of the American Association for Cancer Research; 2010 Apr 17-21; Washington, DC. Philadelphia (PA): AACR; Cancer Res 2010; 70(8 Suppl): Abstract nr 1283.

- S. Agarwal, M. Al-Keilani, **M. Alqudah**, Z. Sibenaller, T. Ryken, M. Assem. PTPRK as a potential tumor suppressor and a predictive marker in gliomas. Health Sciences Research Week–translational genomics, University of Iowa, IA, 2011
- Agarwal S, Al-Keilani MS, **Alqudah MA**, Sibenaller Z, Ryken TC, Assem M. Receptor protein tyrosine phosphatase type kappa (PTPRK) as a potential tumor suppressor and a predictive marker in gliomas. American Association of Pharmaceutical Scientists annual meeting, 2011
- Agarwal S, Al-Keilani MS, **Alqudah MA**, Sibenaller Z, Ryken TC, Assem M. Receptor protein tyrosine phosphatase type kappa is a prognostic marker, essential for regulating malignant behavior of glioma cells. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research; 2012 Mar 31-Apr 4; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2012;72(8 Suppl): Abstract nr 2666
- **Mohammad A.Y. Alqudah**, Supreet Agarwal, Maha S. Al-Keilani, Zita Sibenaller, Timothy C. Ryken and Mahfoud Assem. NOTCH3: A Potential Predictive Biomarker in Malignant Glioma. Presented at the American College of Clinical Pharmacy annual meeting, 2012 October 21-24; Hollywood, Florida (FL): ACCP; 2012. Abstract # {203}.
- **Mohammad A.Y. Alqudah**, Supreet Agarwal, Maha S. Al-Keilani, Zita Sibenaller, Timothy C. Ryken and Mahfoud Assem. NOTCH3: A Potential Predictive Biomarker in Malignant Glioma. Health Sciences Research Week–translational genomics, University of Iowa, IA, 2012.
- **Mohammad A.Y. Alqudah**, Zita Sibenaller, Timothy C. Ryken and Mahfoud Assem. NOTCH3 is a prognostic factor and critical element in gliomagenesis. Health Sciences Research Week–translational genomics, University of Iowa, IA, 2013.
- Al-Keilani MS, Assem M, Sibenaller Z, Agarwal S, **Alqudah M.A**, Ryken TC. Tyrosyl DNA phosphodiesterase I is a prognostic factor and its inhibition synergizes response to topoisomerase poisons in malignant glioma. [Abstract]. In Proceedings of the 104th Annual Meeting of the American Association for Cancer Research; 2013 Apr 6-10; Washington, DC. Philadelphia (PA): AACR; Cancer Res 2013; 73(8 Suppl): Abstract nr 2194.
<http://doi.org/10.1158/1538-7445.AM2013-2194>
- **Mohammad A. Y. Alqudah**. Genomics and Personalized Medicine. JUST International Pharmacy Conference. May 11-12, 2014 (Speaker).
- Alrababah B.A, **Alqudah M.A.Y**, Mhaidat N, 2014. Amlodipine Inhibits Cell Proliferation and Induces Cell Cycle Arrest in Colorectal Cancer Cells. ASU-Pharmacy First National Conference. Applied Science University, December 20-21, 2014.

- Third National Erasmus+ Conference/ Jordan European Union/ Royal Hotel, Amman, October 26th, 2016 (Attendance).
- **Mohammad A. Y. Alqudah.** Effect of simvastatin on Irinotecan-induced apoptosis in prostate cancer. The Emirates Oncology Conference Nov 17-19, 2016. Abu Dhabi, UAE.
- International Brain Research Organization (IBRO) Conference, November 19-21, 2017. Jordan University of Science and Technology (Moderator of session II day1).
- Nehad Ayoub, Kamal Al-Shami, **Mohammad A. Y. Alqudah**, Nizar M. Mhaidat. Crizotinib inhibits growth, migration, and invasion of breast cancer cells in vitro and synergizes with chemotherapeutic agents (Abstract 2937). July 2018, Cancer Research 78(13 Supplement):2937-2937
- **Mohammad A. Y. Alqudah.** Calcium-sensing receptor antagonist NPS-2143 inhibits breast cancer cell proliferation, migration, and invasion via downregulation of p-ERK1/2, Bcl-2 and Integrin β 1 and induces caspase 3/7 activation. International Precision Medicine Conferences 2021 | IPMC 2021 April 19-21, 2021. Virtual Event Orlando, USA.
- **Mohammad A. Y. Alqudah.** Cancer Awareness & Recent Advancements in Lung Cancer Treatment. World Cancer Awareness Day organized by the College of Pharmacy/University of Sharjah, Nov 4th, 2021.
- **Mohammad A. Y. Alqudah.** Targeted Therapy in Lung Cancer. Dubai International Pharmaceuticals & Technologies Conference and Exhibition (DUPHAT), Feb 22-24, 2022, Dubai, UAE.
- **Mohammad A. Y. Alqudah.** Targeted Therapy in Lung Cancer. Dubai International Pharmaceuticals & Technologies Conference and Exhibition (DUPHAT), Feb 22-24, 2022, Sharjah, UAE.
- **Mohammad A. Y. Alqudah.** The 5th Combined Gulf Cancer Conference 2022. Al Jawaher Reception and Convention Centre, Sharjah, November 21-23, 2022.
- **Mohammad A. Y. Alqudah.** Moderator of Pharmacy Practice session. Dubai International Pharmaceuticals & Technologies Conference and Exhibition (DUPHAT), Jan 10-12, 2023, Dubai, UAE.

PUBLICATIONS (in chronological order):

1. Almansour, S.A., **Alqudah, M.A.Y.**, Abuhelwa, Z. et al. Association of proton pump inhibitor use with survival and adverse effects outcomes in patients with multiple myeloma: pooled analysis of three clinical trials. Sci Rep 14, 591 (2024). <https://doi.org/10.1038/s41598-023-48640-1>

2. Proteomic and metabolomic signatures of U87 glioblastoma cells treated with Cisplatin and/or Paclitaxel. **Accepted** for publication in *Annals of Medicine* (2023).
3. Bustanji, Y.; Taneera, Jalal, Semreen, Mohammad H., Abu-Gharbieh, Eman, El-Huneidi, Waseem, Faris, Alzoubi, Karem H., Soares, Nelson C., Abuhelwa, Ahmad Y, **Alqudah, M.A.Y**, AlKhatib, Hatim S. Gold nanoparticles and breast cancer: A bibliometric analysis of the current state of research and future directions, *OpenNano*, Volume 12, 2023, 100164.
4. Alsabbagh, R.; Ahmed, M.; **Alqudah, M.A.Y**; Hamoudi, R.; Harati, R. Insights into the Molecular Mechanisms Mediating Extravasation in Brain Metastasis of Breast Cancer, Melanoma, and Lung Cancer. *Cancers* 2023, 15, 2258.
5. Bustanji Y, Shihab KHA, El-Huneidi W, Semreen MH, Abu-Gharbieh E, Alzoubi KH, **Alqudah MAY**, Abuhelwa AY, Abu-Rish EY, Bajes H, Obaideen K, Hamad I, Soares NC, and Faris MAE (2023). Analysis and mapping of global scientific research on human monkeypox over the past 20 years, *Veterinary World*, 16(4): 693-703.
6. Nusair, S.D; Hammad, E; **Alqudah, M.A.Y**. Quantification of aflatoxins and health risk assessment through intake of herbal medicine formulations. *Emerging Contaminants*. 2023; 9 (1).
7. Hagyousif, Y.A.; Sharaf, B.M.; Zenati, R.A.; El-Huneidi, W.; Bustanji, Y.; Abu-Gharbieh, E.; **Alqudah, M.A.Y** et al. Skin Cancer Metabolic Profile Assessed by Different Analytical Platforms. *Int. J. Mol. Sci.* 2023, 24, 1604.
8. Zenati, R.A.; Giddey, A.D.; Al-Hroub, H.M.; Hagyousif, Y.A.; El-Huneidi, W.; Bustanji, Y.; Abu-Gharbieh, E.; **Alqudah, M.A.Y** et al. Evaluation of Two Simultaneous Metabolomic and Proteomic Extraction Protocols Assessed by Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry. *Int. J. Mol. Sci.* 2023, 24, 1354.
9. Ahmed, M.; Semreen, A.M.; El-Huneidi, W.; Bustanji, Y.; Abu-Gharbieh, E.; **Alqudah, M.A.Y**; et al. Preclinical and Clinical Applications of Metabolomics and Proteomics in Glioblastoma Research. *Int. J. Mol. Sci.* 2023, 24, 348.
10. AlQudah, M.M., Otair, M.A., **Alqudah, M.A.Y**. et al. Prediction of hidden patterns in rheumatoid arthritis patients' records using data mining. *Multimed Tools Appl.* 2023; 82, 369–388.
11. Abufares HI, Oyoun Alsoud L, **Alqudah MAY**, Shara M, Soares NC, Alzoubi KH, et al. COVID-19 Vaccines, Effectiveness, and Immune Responses. *International Journal of Molecular Sciences*. 2022; 23(23):15415.
12. Semreen AM, Alsoud LO, El-Huneidi W, Ahmed M, Bustanji Y, Abu-Gharbieh E, El-Awady R, Ramadan WS, **Alqudah MAY**, et al. Metabolomics Analysis Revealed Significant Metabolic Changes in Brain Cancer Cells Treated with Paclitaxel and/or Etoposide. *International Journal of Molecular Sciences*. 2022; 23(22):13940.

13. **Alqudah MAY**, Al-Nosairy A, Alzoubi KH, Kahbour O, Al-Azzam S. Edaravone Prevents Memory Impairment in Diabetic Rats: Role of Oxidative Stress. *Inform Med Unlocked*. 2022; 33: 101096.
14. **Alqudah MAY**, Al-Samman R, Alzoubi KH. The interactive effect of amlodipine and chemotherapeutic agents in lung cancer cells. *Inform Med Unlocked*. 2022; 32:101066.
15. **Alqudah MAY**, Al-Samman R, Matalgah O, Abu Farhah R. Early Detection of Prostate Cancer: Self-Reported Knowledge and Attitude of Physicians in Jordan. *Inquiry*. 2022;59.
16. Al-Oudat BA, Al-Shar'i NA, Al-Balas QA, Audat SA, **Alqudah MAY**, Hamzah AH, et al. Lead optimization and biological evaluation of diazenylbenzenesulfonamides inhibitors against glyoxalase-I enzyme as potential anticancer agents. *Bioorg Chem*. 2022;120.
17. Al-Husein BA, Mhaidat NM, Alzoubi KH, Alzoubi GM, **Alqudah MAY**, Absoul-Younes AM, et al. Pentoxifylline induces caspase-dependent apoptosis in colorectal cancer cells. *Inform Med Unlocked*. 2022;31.
18. **Alqudah MAY**, Al-Samman R, Azaizeh M, Alzoubi KH. Amlodipine inhibits proliferation, invasion, and colony formation of breast cancer cells. *Biomed Rep*. 2022;16(6).
19. **Alqudah MAY**, Mukattash TL, Al-Shammari E, Jarab AS, Al-Qerem W, Abu-Farha RK. An Audit on Pharmacists' Knowledge and Experience in Pediatric Care. *J Pediatr Pharmacol Ther*. 2022;27(2):172-9.
20. **Alqudah MAY**, Azaizeh M, Zayed A, Asaad L. Calcium-Sensing Receptor Antagonist NPS-2143 Inhibits Breast Cancer cell Proliferation, Migration and Invasion via Downregulation of p-ERK1/2, Bcl-2 and Integrin β 1 and Induces Caspase 3/7 Activation. *Adv Pharm Bull*. 2022;12(2):383-8.
21. Khader EI, Ismail WW, Mhaidat NM, **Alqudah MA**. Effect of metformin on irinotecan-induced cell cycle arrest in colorectal cancer cell lines HCT116 and SW480. *Int J Health Sci (Qassim)*. 2021;15(5):34-41.
22. **Alqudah MAY**, Al-Samman RM, Mukattash TL, Abu-Farha RK. Knowledge and attitudes of pharmacists towards colorectal cancer health education in Jordan: A cross-sectional study. *Int J Clin Pract*. 2021;75(5).
23. Alkhatatbeh MJ, Abdalqader NA, **Alqudah MAY**. Impaired awareness of hypoglycemia in children and adolescents with type 1 diabetes mellitus in north of Jordan. *BMC Endocr Disord*. 2019;19(1).
24. Alshogran OY, Al-Eitan LN, Altawalbeh SM, Khalil AA, **Alqudah MAY**, Oweis AO, et al. Investigating the Contribution of NPSR1, IL-6 and BDNF Polymorphisms to Depressive and Anxiety Symptoms in Hemodialysis Patients. *Prog Neuro-Psychopharmacol Biol Psychiatry*. 2019;94.
25. Alkhatatbeh MJ, Abdalqader NA, **Alqudah MAY**. Impaired awareness of hypoglycaemia in insulin-treated type 2 diabetes mellitus. *Curr Diabetes Rev*. 2019;15(5):407-13.

26. Al-Oudat BA, **Alqudah MA**, Audat SA, Al-Balas QA, El-Elimat T, Hassan MA, et al. Design, synthesis, and biologic evaluation of novel chrysin derivatives as cytotoxic agents and caspase-3/7 activators. *Drug Des Dev Ther.* 2019; 13:423-33.
27. Alshogran OY, Khalil AA, Oweis AO, Altawalbeh SM, **Alqudah MAY**. Association of brain-derived neurotrophic factor and interleukin-6 serum levels with depressive and anxiety symptoms in hemodialysis patients. *Gen Hosp Psychiatry.* 2018; 53:25-31.
28. **Alqudah MAY**, Alzoubi KH, Ma'abrih GM, Khabour OF. Vitamin C prevents memory impairment induced by waterpipe smoke: role of oxidative stress. *Inhal Toxicol.* 2018;30(4-5):141-8.
29. **Alqudah MAY**, Al-Ashwal FY, Alzoubi KH, Alkhatatbeh M, Khabour O. Vitamin E protects human lymphocytes from genotoxicity induced by oxaliplatin. *Drug Chem Toxicol.* 2018;41(3):281-6.
30. **Alqudah MAY**, Mansour HT, Mhaidat N. Simvastatin enhances irinotecan-induced apoptosis in prostate cancer via inhibition of MCL-1. *Saudi Pharm J.* 2018;26(2):191-7.
31. **Alqudah MAY**, Alrababah BA, Mhaidat N. Amlodipine Inhibits Cell Proliferation and Induces Cell Cycle Arrest in Colorectal Cancer Cells. *Jordan Journal of Pharmaceutical Sciences.* 2017;10(3):189.
32. Yaseen MM, Abuharfeil NM, **Alqudah MA**, Yaseen MM. Mechanisms and factors that drive extensive human immunodeficiency virus type-1 hypervariability: An overview. *Viral Immunol.* 2017;30(10):708-26.
33. Ayoub NM, Al-Shami KM, **Alqudah MA**, Mhaidat NM. Crizotinib, a MET inhibitor, inhibits growth, migration, and invasion of breast cancer cells in vitro and synergizes with chemotherapeutic agents. *OncoTargets Ther.* 2017; 10:4869-83.
34. **Alqudah MAY**, Al-azzam S, Alzoubi K, Alkhatatbeh M, Alawneh K, Alazzeah O, et al. Effects of antirheumatic drug underutilization on rheumatoid arthritis disease activity. *Inflammopharmacology.* 2017;25(4):431-8.
35. Yaseen MM, Yaseen MM, **Alqudah MA**. Broadly neutralizing antibodies: An approach to control HIV-1 infection. *Int Rev Immunol.* 2017;36(1):31-40.
36. **Alqudah MAY**, Al-Azzam S, Alzoubi K, Alkhatatbeh M, Rawashdeh N. Overuse of proton pump inhibitors for stress ulcer prophylaxis in Jordan. *Int J Clin Pharmacol Ther.* 2016;54(8):597-602.
37. Alkhatatbeh MJ, Alefan Q, **Alqudah MAY**. High prevalence of self-medication practices among medical and pharmacy students: A study from Jordan. *Int J Clin Pharmacol Ther.* 2016;54(5):390-8.

38. **Alqudah MAY**, Yaseen MMM, Yaseen MMS. HIV-1 strategies to overcome the immune system by evading and invading innate immune system. *HIV AIDS Rev.* 2016;15(1):1-12.
39. **Alqudah MAY**, Agarwal S, Al-Keilani MS, Sibenaller ZA, Ryken TC, Assem M. NOTCH3 Is a Prognostic Factor That Promotes Glioma Cell Proliferation, Migration, and Invasion via Activation of CCND1 and EGFR. *PLoS ONE.* 2013;8(10).
40. Agarwal S, Al-Keilani MS, **Alqudah MA**, Sibenaller ZA, Ryken TC, Assem M. Tumor derived mutations of protein tyrosine phosphatase receptor type k affect its function and alter sensitivity to chemotherapeutics in glioma. *PLoS ONE.* 2013;8(5): e62852.
41. Assem M, Sibenaller Z, Agarwal S, Al-Keilani MS, **Alqudah MA**, Ryken TC. Enhancing diagnosis, prognosis, and therapeutic outcome prediction of gliomas using genomics. *Omics.* 2012(3):113-22.

ACADEMIC SUPERVISION AND THESIS COMMITTEES (MASTER STUDENTS):

Major Advisor

- Baraah AlRababah (MS in Clinical Pharmacy 2014/2015). Evaluation of the antiproliferative effect of amlodipine on colorectal cancer cells.
- Heba Mansour (MS in Biotechnology 2015/2016). Effect of simvastatin on irinotecan-induced apoptosis in prostate cancer.
- Fahmi Alashwal (MS in Clinical Pharmacy 2016/2017). Evaluating the potential protective effect of vitamin E on oxaliplatin-induced genotoxicity in human cultured lymphocyte.
- Marwa Azayzih (MS in Clinical Pharmacy 2017/2018). Evaluation of the Effect of Calcium Sensing Receptor Blocking by NPS2143 on Proliferative, Migratory, and Invasive Potential of Breast Cancer Cells.
- Raneem Al-Samman (MS in Clinical Pharmacy 2019/2020). Evaluation of the Effect of the PARP inhibitor, Olaparib, on Proliferative, Migratory, and Invasive Potential of Lung Cancer Cells.
- Akram Alnusairy (MS in Clinical Pharmacy 2021/2022). Evaluating the Potential Effect of Edaravone On Learning and Memory Impairment in Streptozotocin- Induced Diabetic Rats

Co- Advisor:

- Esraa Khadr (MS in Clinical Pharmacy 2013/2014). Effect of metformin on irinotecan-induced apoptosis in colorectal cancer.
- Neda Abdulqader (MS in Clinical Pharmacy 2015/2016). Awareness of hypoglycemic symptoms in insulin-treated diabetic patients.
- Kamal Alshami (MS in Clinical Pharmacy 2016/2017). Crizotinib Inhibits Growth and Migration of Breast Cancer Cells by Inhibiting C-Met Receptor Activation and Synergizes with Chemotherapy.
- Ghaida Ma'abirih (MS in Forensic Medicine 2017/2018). The effect of waterpipe smoking on memory performance and learning ability: Role of Vitamin C.
- Saeda Makableh (MS in Forensic Medicine 2018/2019). Investigating the potential of metformin to function as molecular chaperone; to reverse ER stress-induced effect on angiogenesis

- Eman Hammad (MS in Forensic Medicine 2019/2020). Quantification of Aflatoxins in Frequently Consumed Herbal Medicines
- Esra'a Al-shammari (MS in Clinical Pharmacy, 2019/2020). A case-based assessment of pharmacists' knowledge and experience in pediatric pharmaceutical care
- Aseel Al-Obweeni (MS in Clinical Pharmacy, 2021/2022). Knowledge and Practice Regarding Early Premotor Signs and Symptoms of Parkinson's Disease Among Healthcare Professionals
- Sara Abdelrahman Fawzi Almansour (MS in Pharmacology, University of Sharjah 2023/2024)

Internal Examiner

- Sajedah Abu Kishk (MS in Clinical Pharmacy 2014/2015, JUST)
- Haneen Moqbel (MS in Clinical Pharmacy 2014/2015, JUST)
- Esraa Amayreh (MS in Clinical Pharmacy 2015/2016, JUST)
- Enas Mkhaimer (MS in Clinical Pharmacy 2016/2017, JUST)
- Ala'a Al-Ibbini (MS in Clinical Pharmacy 2017/2018, JUST)
- Hamzah Zamzam (MS in Clinical Pharmacy 2017/2018, JUST)
- Dua'a Issa (MS in Clinical Pharmacy 2018/2019, JUST)
- Sara Baqeri (MS in Applied Medical Sciences 2018/2019, JUST)
- Leen Asa'ad (MS in Clinical Pharmacy 2018/2019, JUST)
- Rand Nofal (MS in Applied Medical Sciences 2018/2019, JUST)
- Dalia Ibrahim (MS in Clinical Pharmacy 2019/2020, JUST)

External Examiner

- Suhad Bani Melhem (MS in Clinical Pharmacy 2016/2017, The University of Jordan)
- Worood Ihraiz (MS in Applied Medical Sciences 2017/2018, The University of Jordan)
- Khouzama Aljunaidi (MS in Applied Medical Sciences 2018/2019, The University of Jordan)
- Sara Aljundi (MS in Pharmaceutical Sciences 2021/2022, University of Sharjah)
- Abeer Mrayyan (MS in Biotechnology 2022/2023, Yarmouk University)

TEACHING EXPERTISE

University of Sharjah

- Courses taught (2021-present): For **Doctor of Pharmacy (PharmD) only.**
 - Clinical Pharmacokinetics and Therapeutic Drug Monitoring
 - Public Health in Pharmacy
 - Designing Clinical Research
 - Advanced Pharmacotherapy II (Oncology and Hematology Disorders)
 - Advanced Pharmacotherapy V (Infectious Diseases)
 - Advanced Pharmacotherapy VII (GIT, Endocrine and Metabolic Diseases)
 - Clinical Training: Ambulatory Care
 - Clinical Training: Internal Medicine 2
 - Clinical Training: Infectious Diseases
 - Clinical Training: Oncology, Hematology & Immunology
 - Clinical Training: Surgery

- Clinical Training: Pediatrics
- Clinical Training: Solid Organ Transplant
- Clinical Training: Hospital. Pharmacy & Pharmacy. Admin

Jordan University of Science and Technology

- Courses taught repeatedly (2013-2021): For bachelor's in pharmacy or Doctor of Pharmacy.

- PHAR 342 Pharmacology 2
- PHAR 344 Introduction to Therapeutics
- PHAR 401 & 402 Community pharmacy
- PHAR 442 Therapeutics-Immunology, Hematology and Oncology (For PharmD Students)
- PHAR 461 Immunology and Vaccines
- PHAR 553 Clinical Pharmacokinetics (For PharmD Students)
- PHAR 568 Clinical Seminar (For PharmD Students)
- PHAR 646 Clinical Training: Oncology (For PharmD Students)
- PHAR 647 Clinical Training: Cardiology (For PharmD Students)
- PHAR 675 Clinical Training: Research (For PharmD Students)