Personal Info

+962770275302

m.idmat@jadara.edu.jo

Mafraq, Jordan, Mafraq, Jordan

Links

Google Scholar

Research Gate

Scopus

Skills

- Synthesis of heterocyclic
- Molecular dynamics
- Interpersonal skills
- Organic synthesis
- Leadership
- Problem-solving
- Communication
- Time management
- Teamwork
- Creativity
- Work ethic

Languages

- Arabic
- English
- Bahasa Melayu

Mohammad Alidmat

Work Experience

Teacher, Ministry of Education, Mafraq, Jordan
May 2011 – April 2023

Research assistant, School of Chemical Sciences, Universiti Sains Malaysia (Part-Time), Malaysia
January 2017 – February 2022

Lecturer, Chemistry Department, The University of Jordan, Amman, Jordan
October 2022 – February 2023

Assistant Professor, Jadara University, Irbid, Jordan
October 2023 – Present

- Assistant Professor of organic chemistry at the faculty of Pharmacy
- Head of the Chemistry Department at the College of Science

Education

Bachelor of chemistry, Al-Bayt University, Jordan (Good)
September 2007 – August 2010

Master of chemistry, Al-Bayt University, Jordan (very good)
September 2011 – January 2015

- Master's research thesis :"Synthesis and Biological Activity of New 4,6-(Diheteroaromatic) pyrimidine-2-amines"

Doctor of Philosophy in Organic Chemistry , School of Chemical Sciences, Universiti Sains Malaysia (vary good)
April 2017 – June 2021

- During the study period, I worked as a research assistant with the professor supervising my research thesis.
- PhD'S research thesis : "SYNTHESIS, CHARACTERIZATION, CYTOTOXICITY AND DOCKING STUDIES OF NEW CHALCONE, PYRAZOLINE AND PYRIMIDINE DERIVATIVES"

References

Prof. Melati Khairuddean, School of Chemical Sciences, Universiti Sains Malaysia
melati@usm.my | +60164127743

Prof. Mohammad M. Ibrahim, Associate Professor of Organic Chemistry, Al al-Bayt University
mohammadibrahim@aabu.edu.jo | +962779210080

Publications

2024

Alidmat, M. M., Alhawarri, M. B., Al-Refai, M., Mansi, I. A., Al-Balas, Q., & Ibrahim, M. M. (2024). Synthesis, Characterization and Glyoxalase inhibitory activity of 4, 6-Diheteroarylpyrimidine-2-amine derivatives: In vitro and in silico studies. Egyptian Journal of Chemistry.

- Ismail, N. Z., Khairuddean, M., **Alidmat, M. M.**, Abubakar, S., & Arsad, H. (2024). Investigating the potential of mono-chalcone compounds in targeting breast cancer receptors through network pharmacology, molecular docking, molecular dynamics simulation, antiproliferative effects, and gene expressions. 3 Biotech, 14(6), 1-23.

2023

- Ismail, N. Z., Khairuddean, M., **Alidmat, M. M.,** Abubakar, S., & Arsad, H. (2023). Cytotoxicity effect, network pharmacology, molecular docking, and molecular dynamics simulation of new mono-chalcone compounds for breast cancer.

2022

- Bakar, B. I., **Alidmat, M. M.**, Khairuddean, M., Ibrahim, W. N. A. W., Mun, K. W., Kamal, N. N. S. N. M., & Muhammad, M. (2023). Synthesis, characterization, cytotoxicity evaluation and molecular docking study of new bis-chalcone, fused-pyrimidine and fused-pyrazoline derivatives. Indian Journal of Chemistry (IJC), 62(3), 251-264.
- Othmani, T. E., **Alidmat, M. M.**, Khairuddean, M., & Wahyuningsih, T. D. (2022, September). Synthesis, Characterization and Molecular Docking of New Naphthalene-Based Chalcone and Pyrazoline Compounds. In Materials Science Forum (Vol. 1068, pp. 167-174). Trans Tech Publications Ltd.
- Bakar, B. I., **Alidmat, M. M.**, Khairuddean, M., & Wahyuningsih, T. D. (2022, September). Molecular Docking Study, Synthesis and Characterization of New Hybrid Anthracene-Thiophene Compounds with Chalcone and Pyridine Scaffolds. In Materials Science Forum (Vol. 1068, pp. 175-181). Trans Tech Publications Ltd.
- Al-Anazi, M., Khairuddean, M., Al-Najjar, B. O., **Alidmat, M. M.**, Kamal, N. N. S. N. M., & Muhamad, M. (2022). Synthesis, anticancer activity and docking studies of pyrazoline and pyrimidine derivatives as potential epidermal growth factor receptor (EGFR) inhibitors. Arabian Journal of Chemistry, 15(7), 103864.
- **Alidmat, M. M.**, Khairuddean, M., Kamal, N. N. S. N. M., Muhammad, M., Wahab, H. A., Althiabat, M. G., & Alhawarri, M. B. (2022). Synthesis, characterization, molecular docking and cytotoxicity evaluation of new thienyl chalcone derivatives against breast cancer cells. Syst. Rev. Pharm, 13(1), 1.

Publications

2021

- **Alidmat, M. M.**, Ning, T. Z., Khairuddean, M., Shayazi, N. H., Nik Mohammad Kamal, N. N. S., & Muhammad, M. (2021). Synthesis, Characterization, Cytotoxicity Study and Docking Studies of New Fused-pyrazoline Derivatives derived from Bis-Chalcones Against Breast Cancer cells. Egyptian Journal of Chemistry, 64(12), 6901-6911.
- **Alidmat, M. M.**, Khairuddean, M., Norman, N. M., Asri, A. N. M., Suhaimi, M. H. M., & Sharma, G. (2021). Synthesis, characterization, docking study and biological evaluation of new chalcone, pyrazoline, and pyrimidine derivatives as potent antimalarial compounds. Arabian Journal of Chemistry, 14(9), 103304.
- **Alidmat, M. M.**, Khairuddean, M., Salhimi, S. M., & Al-Amin, M. (2021). Docking studies, synthesis, characterization, and cytotoxicity activity of new bis-chalcones derivatives. Biomedical Research and Therapy, 8(4), 4294-4306.
- Al-Anazi, M., Khairuddean, M., Al-Najjar, B. O., **Alidmat, M. M.**, Kamal, N. N. S. N. M., Muhamad, M., & Hariono, M. (2021). EGFR Inhibitors and apoptosis inducers: design, docking, synthesis, and anticancer activity of novel tri-chalcone derivatives. Systematic Reviews in Pharmacy, 12(3), 809-820.

2020

- Salum, K. A., **Alidmat, M. M.**, Khairulddean, M., Kamal, N. N. S. N. M., & Muhammad, M. (2020). Design, synthesis, characterization, and cytotoxicity activity evaluation of mono-chalcones and new pyrazolines derivatives. Journal of Applied Pharmaceutical Science, 10(8), 020-036.
- Khairuddean, M., Slaihim, M. M**., Alidmat, M. M.**, Al-Suede, F. S. R., Ahamed, M. B. K., Shah, A. M., & Majid, A. (2020). Synthesis, characterisation of some new schiff base for the piperidinium 4-amino-5-substituted-4h-1, 2, 4-triazole-3-thiolate, and their in-vitro anticancer activities. Int. J. Natural Sci. Human Sciences, 1(1), 48-58.