

CURRICULUM VITAE

Mohammad Khaled Mohammad Abu Sini

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1. Personal Data

Date of Birth: 16th of December. 1981
Nationality: Jordanian

2. Education

- Ph.D. (Biological Sciences/Microbiology) 2014, The University of Jordan, Amman, Jordan
- M.Sc. (Biological Sciences/Mycology) 2006, The Hashemite University, Zarqa, Jordan
- B.Sc. (Biological Sciences) 2003, The Hashemite University, Zarqa, Jordan

3. Ph.D. Dissertation

In-Vitro and In-Vivo Evaluation of Synthetic Triazoloquinolone Derivatives against Helicobacter pylori, The University of Jordan, Amman, Jordan.

4. Employment

Academic Positions

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
February 1, 2014 – now
- Instructor, Ministry of Education, Ajloun & Amman, Jordan
2005-2014



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- Graduate Assistant, Department of Biology and Biotechnology, The Hashemite University, Zarqa, 2003-2005

Administrative Positions

- Not Applicable

5. Research Interests

- Isolation, identification and characterization of *H. pylori* from patients with gastrointestinal abnormalities.
- Antimicrobial activity of natural product and new synthetic compounds especially against *H. pylori*.
- Establishment of an *in vivo* system for *H. pylori* infection.

6. Membership in Scientific Societies and Associations

- Not Applicable

7. Honors and Awards

- Honored for participation in receiving the Faculty of Pharmacy the first Quality Assurance Certificate from Accreditation and Quality Assurance Commission for Higher Education Institutions in Jordan, 2017.

8. Fellowships and Scholarships

- Not Applicable

9. Teaching Experience

- *Graduate Courses*

- Not Applicable

- *Undergraduate Courses*

1. Pharmaceutical Microbiology 1
2. Pharmaceutical Microbiology 2
3. Pharmaceutical Microbiology Laboratory
4. Microbiology for Nurses
5. Immunology
6. Biology
7. Biology Laboratory
8. Physiology 1
9. Physiology for Nurses



10. Supervision of Graduate Research

- Master Students
- 1. Rafeef Maharmeh: Evaluation of compounding practices that increases the risk of microbial spoilage of pharmaceutical products in Jordanian community pharmacies, 2020.
- 2. Rana Ahmad Derbas: Microbial Infections Profile and Pattern for Diabetic Foot Ulcers in Jordanian Patients, 2022.

11. Grants

- *Isolation, identification and characterization of soil bacteria from Jordan and evaluation of their antimicrobial activity*, 2019, Al-Zaytoonah University of Jordan.
- *Design, Synthesis and Biological Evaluation of Novel Recognition Motifs for Retinoic Acid Signaling Pathway with Potential Fluorescence Tracking*, 2019, Al-Zaytoonah University of Jordan.
- *Synthesis and Characterization of Biodegradable Polyesters Derived from Bio-based Products*, 2015, Al-Zaytoonah University of Jordan.

12. Patents

- Not Applicable.

13. Membership of Committees

- **National and International**
 - Not Applicable
- **University**
 - *The University Council (member).*
 - *The Committee for Quality Assurance, a Faculty committee (member).*
 - *The ACPE Committee, a Faculty committee (member).*
 - *The Committee for Cultural, Social and Sport activities, a Faculty committee (member).*
 - *The Committee for Curriculum and Educational Resources, a Faculty committee (member).*
 - *The Committee for Computing and E-learning, a Faculty committee (member).*
 - *The committee for Examinations and Evaluations, a Faculty committee (member).*
 - *The committee for Scientific Research, a Faculty committee (member).*

14. Professional and Scientific Meetings

Scientific Meetings Organized

- Not Applicable



Participation in Scientific meetings

- Al-Zaytoonah University of Jordan, The 8th international pharmaceutical conference (ZIPC 2022). "Promising Prospective in Pharmaceutical Sciences". Amman 18-19 Oct 2022.
- The School of Pharmacy 2021 conference - The University of Jordan. Held blended on 7 – 8 April, 2021 Amman, Jordan.
- Al-Zaytoonah University of Jordan and the University of Toledo, The 7th international pharmaceutical conference (ZTIPC 2019). ". Amman 06-09 Nov 2019.
- Al-Zaytoonah University of Jordan and the University of Toledo, The 6th international pharmaceutical conference (ZTIPC 2017). "New horizons in pharmaceutical research". Amman 29-30 Nov 2017.
- ASU-Pharmacy Fourth Conference. "Recent Trends in Postgraduate Research". Amman, 15-16th April 2017.
- Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2015). "Frontiers in the pharmaceutical sciences and pharmacy practice: A global perspective". Amman, 21-23th October 2015.
- ASU-Pharmacy First National Conference. "Recent Trends in Postgraduate Research". Amman, 20-21th December 2014.
- The 15th Scientific Congress of the Association of the Pharmacy Colleges in the Arab World & The 3rd International Conference of the Faculty of Pharmacy / The University of Jordan. "RECENT TRENDS AND ADVANCES IN PHARMACY". Amman, 9-11th October 2012.

15. Participation in or organization of curricular and/or extra-curricular activities

- Not Applicable

16. Publications

Provide numbered lists of:

- Papers in refereed journals
1. Al-Masri, E., Al-Refai, M., Al-Masri, H. T., Ali, B. F., Makhseed, S., Salah, L., Ghazal, B., Geyer, A., Ivlev, S. I., & Abu-Sini, M. (2023). Synthesis, characterization, crystal structure, and fluorescence behavior of new 4-aryl-6-(2,5-dichlorothiophen-3-yl)-2-methylpyridine-3-carbonitrile derivatives. *Journal of Molecular Structure*, 1271, 134034. <https://doi.org/10.1016/j.molstruc.2022.134034>
 2. Ibrahim, A.I.M.; Abul-Futouh, H.; Bourghli, L.M.S.; Abu-Sini, M.; Sunoqrot, S.; Ikhmais, B.; Jha, V.; Sarayrah, Q.; Abulebdah, D.H.; Ismail, W.H. Design



- and Synthesis of Thionated Levofloxacin: Insights into a New Generation of Quinolones with Potential Therapeutic and Analytical Applications. *Curr. Issues Mol. Biol.* **2022**, *44*, 4626-4638.
<https://doi.org/10.3390/cimb44100316>
3. Al-kafaween, M.A., **Abu-Sini, M.** and Al-Jamal, H.A.N., 2022. *Antibiotic Susceptibility and Differential expression of virulence genes in Staphylococcus aureus.* Applied Environmental Biotechnology, 7(1): 6-15.
<http://doi.org/10.26789/AEB.2022.01.002>
 4. Luay Al-Essa, Mohammad Hasan Abunaja, Lama Hamadneh, **Mohammad Abu-Sini** (2021). *Mapping the Intensive Care Unit Environment and Health Care Workers for Methicillin-Resistant Staphylococcus aureus with mecA Gene Confirmation and Antibacterial Resistance Pattern Identification in a District Hospital in Amman*, Kuwait Medical Journal, 53(3): 265-270.
 5. Mayyas A, **Abu-Sini M**, Amr R, Akasheh RT, Zalloum W, Khair A, Hamad I, Aburjai T, Darwish RM, Abu-Qatouseh L (2021) *Novel in vitro and in vivo anti-Helicobacter pylori effects of pomegranate peel ethanol extract*, Veterinary World, 14(1): 120-128.
 6. Shukur MI, Ibrahim AK, AL-Taie OK, AL-Rawi SK, **Abu Sini MK** (2020): *Predominant Actinobacteria baumannii among bacterial isolates from neonatal bacteremia and their antimicrobial susceptibilities*, Ann Trop Med & Public Health; 23(S16): SP231623. DOI: <http://doi.org/10.36295/ASRO.2020.231623>
 7. Sweidan KA, Al-Shamaileh AM, **Abu Sini MK**, Joshi R. *Synthesis, characterization and antimicrobial evaluation of some new substituted 1H-indole-2 carboxamide derivatives*, J. Indian Chem. Soc; Vol. 97, No. 9b, September 2020, pp. 1557-1562
 8. Mahmoud, I.S.; Altaif, K.I.; **Abu Sini, M.K.**; Daoud, S.; Aqel, N.N. (2020). *Determination of antimicrobial drug resistance among bacterial isolates in two hospitals of Baghdad*. Jordan Journal of Pharmaceutical Sciences, 13(1): (2020), 1–9.
 9. Ihsan Shabeeb, Luay Issa, Majed Shtaiwi, Eveen Al-Shalabi, Eyad Younes, Rouzi Okasha and **Mohammad Abu Sini**, “*New Hydrazone-Hydrazone Derivatives of Quinoline 3-Carboxylic Acid Hydrazone: Synthesis, Theoretical Modeling and Antibacterial Evaluation*”, Letters in Organic Chemistry, 16., (2019) 430-436. DOI: <https://doi.org/10.2174/1570178616666181227122326>.
 10. **Abu-Sini M**, Mayyas A, Al-Karablieh N, Darwish R, Al-Hiari Y, Aburjai T, Arabiyat S, Abu-Qatouseh L. *Synthesis of 1,2,3-Triazolo[4,5-h]quinolone Derivatives with Novel Anti-Microbial Properties against Metronidazole Resistant Helicobacter pylori*. Molecules. 22(5)., (2017), 841. DOI: [10.3390/molecules22050841](https://doi.org/10.3390/molecules22050841).
 11. Abu-Qatouseh L, **Abu-Sini M**, Mayyas A, Al-Hiari Y, Darwish R, Aburjai T. *Synthesis of New Nitrofluoroquinolone Derivatives with Novel Anti-Microbial Properties against Metronidazole Resistant H. pylori*. Molecules. 22(1)., (2017), 71. DOI: [10.3390/molecules22010071](https://doi.org/10.3390/molecules22010071).
 12. Abu-Qatouseh, L., **Abu-Sini, M.**, Amal Mayyas, A., Darwish, R., Aburjai, T., Qusai abdoh, Q., & Sabri, I. *Molecular characterization and antibiotic susceptibility profiles of Helicobacter pylori isolated from patients with*



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Gastrodeudenal diseases in Jordan. The International Arabic Journal of Antimicrobial Agents, 6(3)., (2017), DOI: <http://dx.doi.org/10.3823/794>.

13. **Abu Sini, M.K.**, Abu-Elteen, K.H., Elkarmi, A.Z., Hamad, M.A. and Khuzaie, R.F. *Influence of Various Ultraviolet Light Intensities on Pathogenic Determinants of Candida albicans*. Biotechnology, 6(2), (2007)., 210-217. DOI: [10.3923/biotech.2007.210.217](http://dx.doi.org/10.3923/biotech.2007.210.217).

- Books and Book Chapters
 - Not Applicable
- Conference Presentations
 - Not Applicable
- Reports
 - Not Applicable