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## **Mohammad K. Abu Sini**



### **Personal Information**

- **Date of Birth:** 16 December 1981
- **Place of Birth:** Al-Hashemyyah - Ajlune
- **Nationality:** Jordanian
- **Marital Status:** Married



### **Education**

1. (2006-2014) (The University of Jordan) (Amman/Jordan)  
Ph.D. degree in Biological sciences/Microbiology with Total Grade (3.15/4) Evaluation: Very Good.
2. (2003-2005) (The Hashemite University) (Zarqa/Jordan)  
Master degree in Biological sciences/Microbiology/Medical Mycology with Total Grade (3.26/4.00) – Evaluation: Very Good.
3. (1999-2003) (The Hashemite University) (Zarqa/Jordan)  
Bachelor's in Biological Sciences with Total Grade (2.56/4.00) – Evaluation: Good.
4. (1998-1999) (Al-Hashemyyah Secondary school) (Ajlune/Jordan)  
Getting Al-Tawjihi degree in the Scientific Stream with Percentage Average 75.9 %.



### **Computer Skills**

1. ICDL.
2. Good skills in MS office 2003 (MS Word, MS Excel and MS Power Point)
3. Good skills in Internet.
4. Good skills in Arabic/English printing.

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## Languages

- Arabic Language (Mother Language).
- English (Writing & Conversation) – Good.



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## Experience

- Assistant Professor at Al-Zaytoonah University of Jordan, Faculty of Pharmacy, from 1/2/2014 – until now.
- Teacher in Ministry of Education for biology and sciences from 6/12/2005 – 30/1/2014.
- Research assistant in Mycology and Microbiology lab (Hashemite University, from 6/10/2003 – 20/12/2005).
- Teacher assistant for:
  - 1- General biology lab.
  - 2- Ecology lab.(Hashemite University, from 5/10/2003 – 20/6/2005).



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## Taught Courses

- Biological Sciences.
- Pharmaceutical Microbiology.
- Microbiology for Nurses.
- Immunology.
- Physiology.
- Physiology for Nursing.
- Laboratory of Biological Sciences.
- Laboratory of Pharmaceutical Microbiology.



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## Thesis Title

- **Ph.D. Thesis:** *In-Vitro* and *In-Vivo* Evaluation of Synthetic Triazoloquinolone Derivatives against *Helicobacter pylori*.
- **Master Thesis:** Influence of Various Ultraviolet Light Intensities on *Candida albicans* Colonization and Virulence Factors.

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## Research Interests

- Isolation and identification of *H. pylori* from patients with gastrointestinal abnormalities.
- Study the effect of plant extracts and new synthetic compounds on bacteria (*H. pylori*) and fungi.
- *In vivo* and *in vitro* studies of the effect of combination of synthetic compounds and natural products with antibiotics to identify new system for treatment of peptic ulcer and thus reducing side effect of each drug alone.
- Establishment of an *in vivo* system for *H. pylori* infection.



## Biography

- Dr. Mohammad Khaled Abu Sini, now is an assistant professor of Pharmaceutical Microbiology in faculty of pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan. He had a Doctorate in Biological Sciences/Microbiology at 2014, Master of Biological Sciences/Medical Mycology at 2006, and Bachelor of Biological Sciences 2003 from Faculty of Science and Arts, The Hashemite University, Jordan. He has many published researches internationally and teaches many courses for undergraduates.



## Publications

- **Abu-Sini M**, Mayyas A, Al-Karablieh N, Darwish R, Al-Hiari Y, Aburjai T, Arabiyat S, Abu-Qatouseh L. 2017. Synthesis of 1,2,3-Triazolo[4,5-h]quinolone Derivatives with Novel Anti-Microbial Properties against Metronidazole Resistant *Helicobacter pylori* Molecules. 22(5). pii: E841. doi: 10.3390/molecules22050841.
- Luay Abu-Qatouseh, **Mohammad Abu-Sini**, Amal Mayyas, Yusuf Al-Hiari, Rula Darwish and Talal Aburjai. 2017. Synthesis of New Nitrofluoroquinolone Derivatives with Novel Anti-Microbial Properties against Metronidazole Resistant *H. pylori*. *Molecules*, 22 (1), 71. pii: E71. doi: 10.3390/molecules22010071.

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- Abu-Qatouseh, L., **Abu-Sini, M.**, Amal Mayyas, A., Darwish, R., Aburjai, T., Qusai abdoh, Q., & Sabri, I. (2017). Molecular characterization and antibiotic susceptibility profiles of *Helicobacter pylori* isolated from patients with Gastrodeudenal diseases in Jordan. *The International Arabic Journal of Antimicrobial Agents*, 6(3). doi:10.3823/794.
- **Mohammad K. Abu Sini**, Khaled H. Abu-Elteen, Ali Z. Elkarmi, Mawieh A. Hamad and Rula F. Khuzai. 2007. Influence of Various Ultraviolet Light Intensities on Pathogenic Determinants of *Candida albicans*. *Biotechnology*, 6(2): 210-217.



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## **Training courses**

- Building achievement tests, analysis and interpretation of results. Al-Zaytoonah University of Jordan. Amman, 16-18 February 2016.



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## **Conferences**

- **Attendance:** ASU-Pharmacy Third 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.
- **Attendance:** ASU-Pharmacy First National Conference. "**Recent Trends in Postgraduate Research**". Amman, 20-21th December 2014.
- **Participant (Poster):** Prevalence and antimicrobial susceptibility profile of *Helicobacter pylori* clinical isolates of patients with chronic gastritis and peptic ulcer in Jordan. The 15<sup>th</sup> Scientific Congress of the Association of the Pharmacy Colleges in the Arab World & The 3<sup>rd</sup> International Conference of the Faculty of Pharmacy / The University of Jordan. "**RECENT TRENDS AND ADVANCES IN PHARMACY**". Amman, 9-11th October 2012.

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## Referees

1. **Prof. Dr. Talal Aburjai**, The University of Jordan, **Faculty of Pharmacy**. Mobile: 0777424593. E-mail: aburjai@ju.edu.jo
2. **Prof. Dr. Rula Darwish**, The University of Jordan, **Faculty of Pharmacy**. Mobile: 0795558089. E-mail: rulad@ju.edu.jo
3. **Prof. Dr. Khaled Abu El-teen**, The Hashemite University, **Department of Biological Sciences and Biotechnology**. Mobile: 0797272063. E-mail: salma@hu.edu.jo
4. **Prof. Dr. Ali El-karmi**, The Hashemite University, **Department of Biological Sciences and Biotechnology**. Tel: (05)3903333 – 4186. E-mail: karmi@hu.edu.jo.
5. **Dr. Luay Abu-Qatouseh**, Petra University. Mobile: 0797012082. E-mail: luqa80@yahoo.com.