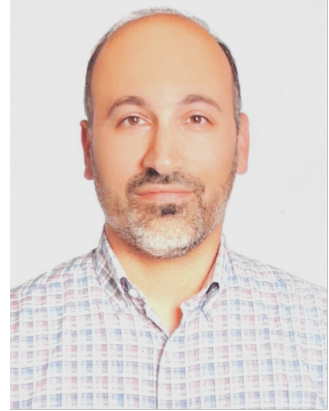


Qutaiba Omar Ababneh, PhD

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ADDRESS

Department of Biotechnology & Genetic Engineering
Jordan University of Science & Technology
Irbid, Jordan 21100
P.O. BOX 3030

EDUCATION

- | | |
|---|-------------|
| Doctor of Philosophy , Biochemistry
Texas A&M University, Texas, USA | 2015 |
| Masters of Science , Applied Biological Sciences
Jordan University of Science & Technology, Irbid, Jordan | 2009 |
| Bachelors of Science , Biotechnology & Genetic Engineering
Jordan University of Science & Technology, Irbid, Jordan | 2005 |

PROFESSIONAL EXPERIENCE

- | | |
|---|---------------------|
| Assistant Dean of Student's Affairs
Jordan University of Science & Technology, Irbid, Jordan | 2022-present |
| Associate Professor
Jordan University of Science & Technology, Irbid, Jordan | 2022-present |
| Assistant Professor
Jordan University of Science & Technology, Irbid, Jordan | 2015-2022 |
| Graduate Research Assistant
Texas A&M University, Department of Biochemistry & Biophysics | 2010-2015 |
| Teaching Assistant
Jordan University of Science & Technology, Department of Biotechnology & Genetic Engineering | 2009-2010 |
| Graduate Research Assistant
Jordan University of Science & Technology, Department of Biotechnology & Genetic Engineering | 2006-2008 |
| Undergraduate Research Assistant
Jordan University of Science & Technology, Department of Biotechnology & Genetic Engineering | 2003-2005 |

LINKS

Webpage: <https://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=goababneh>
Google Scholar: <https://scholar.google.com/citations?user=7iJadMAAAJ&hl=en>

Qutaiba Omar Ababneh, PhD

PUBLICATIONS

1. ZW Jaradat, S Abulaila, E Al-Rousan, **QO Ababneh** (2024) Prevalence of Escherichia coli O157: H7 in foods in the MENA region between years 2000 and 2022: a review. *Arab Journal of Basic and Applied Sciences* 31 (1), 104-120.
2. S Swedan, EA Alabdallah, **Q Ababneh** (2024) Resistance to aminoglycoside and quinolone drugs among Klebsiella pneumoniae clinical isolates from northern Jordan. *Heliyon* 10 (1)
3. **Q Ababneh**, S Al Sbei, Z Jaradat, S Syaj, H Ababneh, Z Inaya (2023) Extensively drug-resistant Acinetobacter baumannii: role of conjugative plasmids in transferring resistance. *PeerJ* 11, e14709.
4. **Q Ababneh**, E Al-Rousan, Z Jaradat, S Abulaila (2003) First report of contamination of dried spices and herbs with desiccation-tolerant, biofilm-forming *A. baumannii*, *LWT* 187, 115278.
5. I Saadoun, M Alawawdeh, Z Jaradat, **Q Ababneh**, BM Al-Joubori (2023) Characterization of diesel-degrading, hydrolytic enzymes-producing Streptomyces spp. isolated from fuel-oil polluted soils. *Arab Journal of Basic and Applied Sciences* 30 (1), 248-255.
6. B Khataybeh, Z Jaradat, **Q Ababneh** (2023) Anti-bacterial, anti-biofilm and anti-quorum sensing activities of honey: A review. *Journal of Ethnopharmacology*, 116830.
7. **Q Ababneh**, S Abulaila, Z Jaradat (2022) Prevalence, genetic diversity, antibiotic resistance and biofilm formation of *Acinetobacter baumannii* isolated from urban environments. *Journal of Applied Microbiology*. 133 (6), 3617-3633.
8. **Q Ababneh**, E Al-rousan, Z Jaradat (2022) Fresh produce as a potential vehicle for transmission of *Acinetobacter baumannii*. *International Journal of Food Contamination* 9, 5.
9. **Q Ababneh**, Z Jaradat, M Khanfar, R Alnohoud, M Alzu'bi, S Makahleh, S Abulaila (2022) Methicillin-resistant *Staphylococcus aureus* contamination of high-touched surfaces in a university campus. *Journal of Applied Microbiology*. <https://doi.org/10.1111/jam.15526>
10. ZW Jaradat, WA AlMousa, AM Elbetieha, **QO Ababneh**, AA AlNabulsi (2022) Virulence, antimicrobial susceptibility, and phylogenetic analysis of *Cronobacter sakazakii* isolates of food origins from Jordan. *Journal of Applied Microbiology*
11. Ziad Jaradat, Batool Khataybeh, Abdull Majid Al Ghzawi, **Qutaiba Ababneh** , Anas Al Nabusli (2022) Molecular identification of major bacteria in honey and the effect of microwave treatment on its microbial quality and antibacterial activity. *AIMS Agriculture and Food*, 7(3): 594-613.
12. **Q Ababneh**, S Abulaila, Z Jaradat (2021) Isolation of extensively drug resistant *Acinetobacter baumannii* from environmental surfaces inside intensive care units. *American Journal of Infection Control*. 50(2): 159-165
13. ZW Jaradat, M Khwaileh, W Al Mousa, **QO Ababneh**, A Al Nabulsi (2021) Occurrence, distribution and pattern analysis of methicillin resistant (MRSA) and methicillin sensitive (MSSA) *Staphylococcus aureus* on fomites in public facilities. *Pathogens and global health*. 115 (6), 377-391
14. I Saadoun, **Q Ababneh**, Z Jaradat (2021) Genomic detection of waterborne enteric viruses as water quality indicators in Al-Zarqa River, Jordan. *Journal of Water and Health*. 19 (4), 604-615
15. **Q Ababneh**, N Aldeken, Z Jaradat, S Al Sbei, D Alawneh, E Al-Zoubi et al. (2021) Molecular epidemiology of carbapenem-resistant *Acinetobacter baumannii* isolated from three major hospitals in Jordan. *International Journal of Clinical Practice*. e14998

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16. M Alsaggar, S Bdour, **Q Ababneh**, T El-Elimat, N Qinna, KH Alzoubi. (2020) Silibinin attenuates adipose tissue inflammation and reverses obesity and its complications in diet-induced obesity model in mice. *BMC Pharmacology and Toxicology*, 21 (1), 8.
17. Ziad W Jaradat, **Qutaiba O Ababneh**, Sherin T Sha'aban, Ayesha A Alkofahi, Duaa Assaleh, Anan Al Shara (2020) Methicillin resistant *Staphylococcus aureus* and public fomites: a review. *Pathogens and Global Health*. 114 (8):426-450.
18. I Saadoun, **Q Ababneh**, Z Jaradat, MM Meqdam (2020) Molecular Surveillance of Enteroviruses in Al-Zarqa River, Jordan. *Jordan Journal of Biological Sciences* 13 (3)
19. Z Jaradat, AA Aboudi, M Shatnawi, **Q Ababneh** (2019) *Staphylococcus aureus* isolates from camels differ in coagulase production, genotype and methicillin resistance gene profiles. *Journal of Microbiology, Biotechnology and Food Sciences*, 2455-2461
20. I Saadoun, H Ananbeh, **Q Ababneh**, Z Jaradat (2017) Comparative distribution of soil *Streptomyces* flora in different Jordanian habitats and their enzymatic and antibiotic activities. *Research Journal of Pharmaceutical Biological and Chemical Sciences*, 8 (2)
21. Jaradat ZW, **Ababneh QO**, et al (2016) Analysis of genetic heterogeneity of *Staphylococcus aureus* strains isolated from food and clinical samples from northern Jordan using VNTR, toxin profiles and antibiograms. *Malaysian Journal of Microbiology*. 12(3) 2016, pp. 254-264.
22. **Ababneh QO**, Herman JK (2015) CodY regulates SigD levels and activity by binding to three sites in the *fla/che* operon. *Journal of bacteriology*. 197(18): 2999-3006.
23. **Ababneh QO**, Herman JK (2015) RelA inhibits *Bacillus subtilis* motility and chaining. *Journal of bacteriology*. 197(1): 128-137.
24. **Ababneh QO**, Tindall AJ, Herman JK (2015) A secreted factor coordinates environmental quality with *Bacillus* development. *PloS one*. 10(12): e0144168.
25. Jaradat ZW, Tarazi YH, **Ababneh QO** (2014) Molecular characterization of *Staphylococcus aureus* isolated from meat and their antibiotic resistance profiles. *Pakistan Veterinary Journal*. 34(1): 58-62.
26. Jaradat ZW, Abedel Hafiz L, Ababneh MM, **Ababneh QO**, Al Mousa W, Al-Nabulsi A, Osaili TM, Holley R (2014) Comparative analysis of virulence and resistance profiles of *Salmonella Enteritidis* isolates from poultry meat and foodborne outbreaks in northern Jordan. *Virulence*. 5(5): 601-610.
27. Saadoun I, Jaradat ZW, Al Tayyar IA, El Nasser Z, **Ababneh QO** (2014) Airborne methicillin-resistant *Staphylococcus aureus* in the indoor environment of King Abdullah University Hospital, Jordan. *Indoor and Built Environment*.
28. Jaradat ZW, Al Aboudi A, Shatnawi M, **Ababneh QO** (2013) *Staphylococcus aureus* isolates from camels differ in coagulase production, genotype and methicillin resistance gene profiles. *The Journal of Microbiology, Biotechnology and Food Sciences*. 2(6): 2455.
29. Saadoun I, Dawagreh A, Jaradat ZW, **Ababneh QO** (2013) Influence of culture conditions on pectinase production by *Streptomyces sp.*(strain J9). *International Journal of Life Science and Medical Research*. 3(4): 148.
30. Hoose SA, Rawlings JA, Kelly MM, Leitch MC, **Ababneh QO**, et al (2012) A systematic analysis of cell cycle regulators in yeast reveals that most factors act independently of cell size to control initiation of division. *PLoS Genetics* 8(3): e1002590.
31. Jaradat ZW, Al Bzour A, **Ababneh QO**, Shdiefat S, Jaradat S, Al Domi H (2012) Identification of allergenic pollen grains in 36 olive (*Olea europaea*) cultivars grown in Jordan. *Food and agricultural immunology*. (23)3: 255-264.

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32. Jaradat ZW; Rashdan AM, **Ababneh QO**, Jaradat SA, Bhunia AK (2011) Characterization of surface proteins of *Cronobacter muytjensii* using monoclonal antibodies and MALDI-TOF Mass spectrometry. *BMC microbiology*. 11(1): 148.
33. Saadoun I, Bataineh S, **Ababneh Q**, Hameed K, Schrader K, Cantrell C, Dayan F, Wedge D (2011) Evaluation of the toxicity of *Streptomyces aburaviensis* (R9) extract towards various agricultural pests. *Agricultural Sciences*. 2(4): 491.
34. Jaradat ZW, Marquardt RR, Frohlich AA, **Ababneh QO** (2010) Chicken anti-idiotypic antibodies as an alternative to the antimicrobial treatment for the control of *Escherichia coli* K 88 in domestic animals. *Jordan Journal of Agricultural Sciences*. 6(1).
35. Al-Domi H, Jaradat ZW, Jones MR, **Ababneh Q** (2010) Investigating immune responses to putative diabetogenic modified bovine proteins subjected to microwave heating among young Jordanian children with type 1 diabetes mellitus. *Research Journal of Biological Science*. 5: 521-528.
36. Jaradat ZW*, **Ababneh QO***, Saadoun IM, Samara NA, Rashdan AM (2009) Isolation of *Cronobacter* spp. (formerly *Enterobacter sakazakii*) from infant food, herbs and environmental samples and the subsequent identification and confirmation of the isolates using biochemical, chromogenic assays, PCR and 16S rRNA sequencing. *BMC microbiology*. 9(1). * **Equal Contribution**
37. Saadoun I; Al-Momani F; **Ababneh QO**; Bonjar S (2009) Comparative UV-spectra of fermented cultural extract of antifungal-active *Streptomyces* isolates recovered from different ecological habitats. *Current Trends in Biotechnology and Pharmacy*. 3(2): 155-161.
38. Saadoun I, Al-Omari R, Jaradat ZW, **Ababneh QO** (2009) Influence of culture conditions of *Streptomyces* sp.(Strain S). *Polish Journal of Microbiology*. 58(4): 339-345.
39. Jaradat ZW, Dawagreh A, **Ababneh QO**, Saadoun I (2008) Influence of culture conditions on cellulase production by *Streptomyces* sp.(strain J2). *Jordan Journal of Biological Sciences*. 1(4): 141-146.
40. Saadoun I, Wahiby L, **Ababneh QO**, Jaradat ZW, Massadeh M.; Al-Momani F (2008) Recovery of soil streptomycetes from arid habitats in Jordan and their potential to inhibit multi-drug resistant *Pseudomonas aeruginosa* pathogens. *World Journal of Microbiology and Biotechnology*. 24(2): 157-162.
41. Saadoun I, Alawawdeh M, Jaradat ZW, **Ababneh QO** (2008) Growth of *Streptomyces* spp. from hydrocarbon-polluted soil on diesel and their analysis for the presence of alkane hydroxylase gene (*alkB*) by PCR. *World Journal of Microbiology and Biotechnology*. 24(10): 2191-2198.
42. Saadoun IM, Hameed KM, Al-Momani F, **Ababneh QO** (2008) Effect of three *Orobanche* spp. extracts on some local phytopathogens, *Agrobacterium* and *Erwinia*. *Turkish Journal of Biology*. 32(2): 113-117.
43. Bataineh SMB; Saadoun I, Hameed KM, **Ababneh QO** (2008) Screening for soil Streptomycetes from north Jordan that can produce herbicidal compounds. *Polish Journal of Microbiology*. 57(4): 297-305.
44. Saadoun I, Rawashdeh R, Dayeh T, **Ababneh QO**, Mahasneh A (2007) Isolation, characterization and screening for fiber hydrolytic enzymes-producing Streptomycetes of Jordanian forest soils. *Biotechnology*. 6(1): 120-128.

ARTICLES IN THE PIPELINE (AS OF APRIL 2024)

Under review

Qutaiba Ababneh, Dua'a Alawneh, Ziad Jaradat, Esra'a AlZoubi, Ali Atoom, Neda'a Aldaken, Ekhlas Al-Rosan, Yazeed Alshari' (2024) Higher tendency to form biofilms is associated with sensitive strains of *Acinetobacter baumannii* isolated from blood and cerebrospinal fluid clinical samples. *Journal: Virulence*

Qutaiba Ababneh, Neda'a Aldakin, Ziad Jaradat, Ekhlas Alrosan, Zeina Enaya, Dua'a Alsaleh, Dua'a Alawneh, Sara Al Sbei, Ismail Saadoun (2024) Predominance of Extensively-drug resistant *Acinetobacter baumannii* carrying blaOXA-23 in Jordanian patients admitted to the intensive care units. *Journal: PLOS One*

Qutaiba Ababneh, Malak Khanfar, Ziad Jaradat, Mohammad Alboom, Audai Hayajneh, Mallak Alzu'bi, Rahaf Alnohoud, Ismail Saadoun (2024) Contamination of medical students' attire with a novel PVL-negative CC5-ST7807-IV-t688-II methicillin-resistant *Staphylococcus aureus* strain. *Journal: PLOS One*

Qutaiba Ababneh, Rahaf Alqazq, Ziad Jaradat, Hala Khanjar (2024) Bacterial competition between clinical isolates of *Acinetobacter baumannii* and *Klebsiella pneumoniae*, *Staphylococcus aureus*, and *Pseudomonas aeruginosa*. *Journal: PLOS Pathogen*

Samer Swedan, Tareq Qublan, Qutaiba Ababneh (2024) Virulence genes and antimicrobial susceptibility of clinical *Klebsiella pneumoniae* isolates from Northern Jordan. *Journal: Heliyon*

In preparation

Qutaiba Ababneh, Malak Khanfar, Ziad Jaradat, Mohammad Alboom, Audai Hayajneh (2024) Medical student attire as a reservoir for extensively drug-resistant and strong biofilm-forming *Acinetobacter baumannii*.

Qutaiba Ababneh, Ekhlas Alrosan, Rahma Okour, Ziad Jaradat, Jana Al-Obaidat, Raneem Alhayajneh, Rula Alazzeah, Batool Ahmad, Rama Alsatari, Tala Bahder (2024) Prevalence of Extensively Drug-Resistant *Acinetobacter baumannii* in Dental Clinic Environments

Qutaiba Ababneh, Ghadeer Alsukhni, Ziad Jaradat, Mustafa Shawagfeh, Abdullah Shehadeh (2024) Understanding the architecture of the fecal microbiome in dairy cattle.

Qutaiba Ababneh, Rahma Okour, Ziad Jaradat (2024) Molecular characterization of *Staphylococcus aureus* and Methicillin-resistant *Staphylococcus aureus* isolated from air, surfaces, and dentists inside dental clinic.

Qutaiba Omar Ababneh, PhD

TEACHING EXPERIENCE

MSc. courses

Advanced Biochemistry Advanced Molecular Biology Advanced Microbial Genetics

BSc. courses

Biochemistry (Medical students) Biochemistry (Biotechnology major) Basic Biotechnology
Ethical Aspects of Biotechnology General Biology (1) General Biology (2)
General Biology (3) Microbial Biotechnology Microbial Genetics
Protein Biotechnology Scientific Writing and Presentation Selected Topics in Biotechnology
Bioinformatics

FUNDING AND SUPERVISION

- **Total funding:** 157,792.00 USD
- **Number of BSc. research project supervised:** 30
- **Number of MSc. thesis supervised:** 10
- **Number of MSc. thesis co-supervised:** 11
- **Number of former students who are currently pursuing PhD:** 4 (Three in USA, one in Germany)

CONFERENCES

Talks:

Ababneh QO. Pathogenomic characterization of Methicillin-resistant *Staphylococcus aureus* isolated from ICU surface environment. **Antimicrobial Resistance and One Health Symposium. Jordan University of Science and Technology. Irbid-Jordan.** **2024**

Ababneh QO, Herman J. *Bacillus subtilis* CodY represses motility and chaining by preventing accumulation of SigD. **ASM 115th General Meeting, New Orleans, LA, USA.** **2015**

Ababneh QO, Herman J. A protein-based signal (FacX) can trigger sporulation in *Bacillus subtilis* at low cell densities. **Molecular Genetics of Bacteria and Phages Meeting 2013. Madison, WI, USA.** **2013**

Posters:

Qutaiba Ababneh, Malak Khanfar, Ziad Jaradat, Mohammad Alboom, Audai Hayagneh. Contamination of healthcare providers' attires with *Acinetobacter baumannii*. **ASM Microbe 2023, Houston, TX, USA.** **2023**

Ababneh QO, Khanfar M, Jaradat Z, Hayagneh O, N, Al-Awneh D. Predominance of *spa* type t688 among Methicillin-resistant *Staphylococcus aureus* isolated from healthcare workers' attire in a university teaching hospital. **ASM Microbe 2022, Washington, DC, USA.** **2022**

Ababneh QO, Jaradat Z, Aldaken N, Al-Awneh D. Molecular diversity of carbapenem-resistant *Acinetobacter baumannii* recovered from Jordanian hospitals. **American Society of Tropical Medicine & Hygiene – Annual Meeting, New Orleans, LA, USA** **2018**

Ababneh QO, Herman J. RelA regulates *Bacillus subtilis* motility and cell chaining. **Molecular Genetics of Bacteria and Phages Meeting 2014. Madison, WI, USA.** **2014**

Ababneh QO, Al-tayyar IA, El-Nasser ZA, Saadoun IM. Airborne methicillin resistant *Staphylococcus aureus* (MRSA) in the indoor environment of King Abdullah University Hospital, Jordan. **ASM Conference on Antimicrobial Resistance in Zoonotic Bacteria and Foodborne Pathogens, Copenhagen, Denmark.** **2008**

Qutaiba Omar Ababneh, PhD

COMMITTEES

University committees

Member of the Student Disciplinary Committee, Deanship of Student Affairs, JUST, Sep 2023-2024

Member of the Committee for the Evaluation of Laboratory Testing Costs at the University, JUST, Sep 2023-2024

Accreditation committees

Member of the committee of accreditation and quality control, department of Biotechnology and Genetic Engineering, Sep 2017-2021. The department obtained the European ASIIN accreditation in November 2018.

Member of the committee of accreditation and quality control, department of Biotechnology and Genetic Engineering, Sep 2022-2024. The department is seeking the European ASIIN accreditation in March 2024.

Departmental

Member of the Program Curriculum, department of Biotechnology and Genetic Engineering, JUST, Sep 2023-2024

Member of the Student Mobility Committee, department of Biotechnology and Genetic Engineering, JUST, Sep 2023-2024

Member of the Graduate Studies committee, department of Biotechnology and Genetic Engineering, JUST, Sep 2018-Sep 2020

Member of the Seminar committee, department of Biotechnology and Genetic Engineering, JUST, Sep 2017-2020

Member of the Internet committee, department of Biotechnology and Genetic Engineering, JUST, Sep 2017-2020

Faculty of Science committees

Member of the examination appeals committee, faculty of science, 2018-2019

Member of the library committee, faculty of science, 2018-2019

AWARDS & GRANTS

American Society of Microbiology Student Travel Grant	2015
Texas A&M University, Department of Biochemistry & Biophysics	
Biochemistry Graduate Association Student Travel Grant	2014
Texas A&M University, Department of Biochemistry & Biophysics	
Biochemistry Graduate Association Student Travel Grant	2013
Texas A&M University, Department of Biochemistry & Biophysics	
PhD Scholarship	2010-2014
Jordan University of Science & Technology (JUST), Department of Biotechnology & Genetic Engineering (BTGE)	
Travel Grant from NATO science for peace	2008
JUST, Department of Biotechnology & Genetic Engineering	
American Society of Microbiology Student Travel Grant	2008
JUST, Department of Biotechnology & Genetic Engineering	
University Students Honor List	2003-2005
JUST, Department of Biotechnology & Genetic Engineering	