

**UNIVERSITY EDUCATION:**

1. Ph.D. in Microbiology, 1990, University of London, U.K.
2. M.Sc. in Bacteriology, 1984, University of Jordan. Jordan.
3. B.Sc. in Biological Sciences, 1981, University of Jordan, Jordan.

**RESEARCH INTERESTS:**

Food poisoning bacteria, food spoilage bacteria, bacteria in food and water and their properties, bacteria in waste water.

**PROFESSIONAL EXPERIENCE:**

1. Assistant Professor, Summer 1990, teaching biochemistry & physiology courses at the Higher College for the Certification of Teachers, Amman (The college provides studies at B.Sc. level).
2. Head of microbiology lab at environmental research center of the Royal Scientific Society, 1991- 1994. The Lab. is basically involved in projects examining drinking water, surface water, ground water and waste treatment plants.
3. Assistant Professor, Applied Science University. Amman. 1994
4. Assistant Professor, Hashemite University, Dept. of Biological Sciences, 1996-2003.
5. Associate Professor, Hashemite University, Dept. of Biological Sciences, 2003- now.

**COURSES TAUGHT:**

general microbiology

applied microbiology

human biology

general biology 1

seminar

practical biology 1 (for B.Sc. students),

food bacteriology (for M. Sc. Students)

advanced microbiology (for M.Sc. students).

**MEMBERSHIP IN SCIENTIFIC SOCIETIES:**

1. Member of the Jordanian Biological Society.
2. Member of the American Society for Microbiology.
3. Member of N.Y. Academy of Sciences.

**SELECTED RESEARCH PAPERS:**

1. B. Abu- Ghazaleh 2016. Effect of sodium chloride on subsequent survival of Staphylococcus aureus in various preservatives. Food and Nutrition Sci.,7, 955- 963.
2. B. Abu-Ghazaleh 2014. Effect of microwave heating in media containing preservatives on viability and caseinase production of Pseudomonas aeruginosa. J. Pure and Appl. Microbiol., 8 (4), 2585- 2590.
3. B. Abu-Ghazaleh 2013. Effects of ascorbic acid, citric acid, lactic acid, NaCl, potassium sorbate and Thymus vulgaris extract on Staphylococcus aureus and Escherichia coli. Afri. J. Microbiol. Res., 7 (1), 7- 12.
4. B. Abu-Ghazaleh 2010. Inhibition of growth and caseinase production of Pseudomonas aeruginosa and Escherichia coli 28 by combination of low pH and NaCl, potassium sorbate or Thymus vulgaris extract. Acta Microbiologica et Immunologica Hungarica, 57 (2), 95-108
5. B. Abu-Ghazaleh 2008. Correlation between citric acid, Thymus vulgaris extract and NaCl, and heat sensitivity and caseinase production by Aeromonas caviae and A. sobria. J of Food Processing and Preservation, 32, 898-911.

6. B. Abu-Ghazaleh 2006. Inhibition of Citrobacter freundii by lactic acid, ascorbic acid, citric acid, Thymus vulgaris extract and NaCl at 31°C and 5°C. *Annals of Microbiology*, 56, 261-267.
7. B. Abu-Ghazaleh 2001. Fecal coliforms of wastewater treatment plants: antibiotic resistance, survival on surfaces and... . *Microbiologica*, 24, 379-387.
8. B. Abu-Ghazaleh 2002. Inhibition of Pseudomonas aeruginosa by citric acid, ascorbic acid, Thymus vulgaris extract, sodium chloride and potassium sorbate at 31°C and 5°C. *Alex. J. Pharm. Sci.*, 16, 45-51.
9. B. Abu-Ghazaleh 2001. Frequency, enterotoxin production and antimicrobial sensitivity of Aeromonas strains isolated from some fishes and other seafood in Jordan. *Dirasat*, 28, 12-21.
10. B. Abu-Ghazaleh 2000. Inhibition of Aeromonas caviae and A. sobria by sodium chloride, citric acid, ascorbic acid, potassium sorbate and extracts of Thymus vulgaris. *Jpn. J. Infec. Dis.*, 53, 111-115.
11. B. Abu-Ghazaleh 2000. Effect of sodium chloride and citric acid on growth and toxin production by A. caviae and A. sobria at moderate and low temperatures. *Microbiologica*, 23, 433-440.
12. B. Abu-Ghazaleh et.al. 1989. The ColV-K94 plasmid and heat sensitivity of Escherichia coli. *Letters in Applied Microbiology*.
13. B. Abu-Ghazaleh 1998. Abstracts of the 98<sup>th</sup> general meeting of the American Society of Microbiology.
14. B. Abu-Ghazaleh et.al. 1992. Effect of ColV plasmid on the heat sensitivity of E.coli. Abstracts of the Sixth Arab Scientific Conference of Biological Sciences.
15. B. Abu-Ghazaleh et.al. 1987. Plasmids and survival of E. coli in water. Abstracts of Bacterial Genetics and Ecology Conference. Brussels.

16. B. Abu-Ghazaleh & A. Taqi Eddin 1986. Assessment of multiple drug resistance among strains of Salm. enteritidis and E. coli isolated from chickens. Abstracts of the Annual Meeting of the Amman Society for Microbiology.

17. B. Abu-Ghazaleh & A. Taqi Eddin 1984. A study on the prevalence of Salm. Enteridis in chicken population in Jordan. Abstracts of the Third Arab Society Conference of Biological Sciences.