

## **Asst. Prof. REHA ONUR AZİZOĞLU**

### **Personal Information**

**Email:** roazizoglu@akdeniz.edu.tr

**Web:** <https://avesis.akdeniz.edu.tr/roazizoglu>

### **International Researcher IDs**

ORCID: 0000-0001-7857-1821

Yoksis Researcher ID: 305089

### **Education Information**

Doctorate, North Carolina State University, College Of Agriculture And Life Sciences, United States Of America 2005 - 2009

Postgraduate, North Carolina State University, College Of Agriculture And Life Sciences, United States Of America 2003 - 2005

Undergraduate, Middle East Technical University, Faculty Of Engineering, Turkey 1998 - 2002

### **Dissertations**

Doctorate, Temperature-dependent freeze-thaw tolerance and genetic characterization of stress response mechanisms of *Listeria* spp., North Carolina State University, Cals, Food Science, 2009

Postgraduate, Influence of Antibiotic, Acid, and Salt Stress on Resistance of *Escherichia coli* O157:H7, North Carolina State University, Cals, Food Science, 2005

### **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Medical Microbiology, Life Sciences, Microbiology, Bacteriology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

### **Academic Titles / Tasks**

Assistant Professor, Akdeniz University, Faculty of Engineering, Gıda Mühendisliği, 2020 - Continues

### **Academic and Administrative Experience**

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. Enhancing gluten detection assay development through optimization of gliadin extraction conditions  
Güven E., AZİZOĞLU R. O.  
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- II. Cell Death in *Escherichia coli*: Incomplete Base Excision Repair under Depletion of DapB and Dxr Proteins.

Azizoglu R. O.

mBio, vol.13, no.4, 2022 (SCI-Expanded)

- III. **RESIDUE AVOIDANCE IN SMALL RUMINANT PRODUCTION SYSTEMS**  
Anderson K., Azizoglu R. O.  
STRATEGIES FOR REDUCING DRUG AND CHEMICAL RESIDUES IN FOOD ANIMALS: INTERNATIONAL APPROACHES TO RESIDUE AVOIDANCE, MANAGEMENT, AND TESTING, pp.193-219, 2014 (SCI-Expanded)
- IV. **Mutant Construction and Integration Vector-Mediated Gene Complementation in *Listeria monocytogenes***  
Azizoglu R. O., Elhanafi D., Kathariou S.  
LISTERIA MONOCYTOGENES: METHODS AND PROTOCOLS, vol.1157, pp.201-211, 2014 (SCI-Expanded)
- V. **Bovine *Staphylococcus aureus*: Dose response to iodine and chlorhexidine and effect of iodine challenge on antibiotic susceptibility**  
Azizoglu R. O., Lyman R., Anderson K. L.  
JOURNAL OF DAIRY SCIENCE, vol.96, no.2, pp.993-999, 2013 (SCI-Expanded)
- VI. **Purine Biosynthesis Mutants (*purA* and *purB*) of Serotype 4b *Listeria monocytogenes* Are Severely Attenuated for Systemic Infection in Intragastrically Inoculated A/J Mice**  
Faith N. G., Kim J., Azizoglu R. O., Kathariou S., Czuprynski C.  
FOODBORNE PATHOGENS AND DISEASE, vol.9, no.5, pp.480-486, 2012 (SCI-Expanded)
- VII. **Temperature-Dependent Requirement for Catalase in Aerobic Growth of *Listeria monocytogenes* F2365**  
Azizoglu R. O., Kathariou S.  
APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol.76, no.21, pp.6998-7003, 2010 (SCI-Expanded)
- VIII. **Impact of Growth Temperature and Agar Versus Liquid Media on Freeze-Thaw Tolerance of *Yersinia enterocolitica***  
Azizoglu R. O., Kathariou S.  
FOODBORNE PATHOGENS AND DISEASE, vol.7, no.9, pp.1125-1128, 2010 (SCI-Expanded)
- IX. **Inactivation of a Cold-Induced Putative RNA Helicase Gene of *Listeria monocytogenes* Is Accompanied by Failure To Grow at Low Temperatures but Does Not Affect Freeze-Thaw Tolerance**  
Azizoglu R. O., Kathariou S.  
JOURNAL OF FOOD PROTECTION, vol.73, no.8, pp.1474-1479, 2010 (SCI-Expanded)
- X. **Role of Growth Temperature in Freeze-Thaw Tolerance of *Listeria* spp.**  
Azizoglu R. O., Osborne J., WILSON S., Kathariou S.  
APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol.75, no.16, pp.5315-5320, 2009 (SCI-Expanded)
- XI. **Impact of antibiotic stress on acid and heat tolerance and virulence factor expression of *Escherichia coli* O157 : H7**  
Azizoglu R. O., DRAKE M.  
JOURNAL OF FOOD PROTECTION, vol.70, no.1, pp.194-199, 2007 (SCI-Expanded)
- XII. **The Recent Original Perspectives on Nonculture-Based Bacteria Detection Methods: A Comprehensive Review**  
Gueven E., AZİZOĞLU R. O.  
FOODBORNE PATHOGENS AND DISEASE, vol.19, no.7, pp.425-440, 1 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Characterization of ethylenediaminetetraacetic acid and acid tolerance of foodborne pathogenic bacteria**  
AZİZOĞLU R. O.  
International Journal of Agriculture, Environment and Food Sciences, vol.4, no.3, pp.311-318, 2020 (Peer-Reviewed Journal)

## Supported Projects

AZİZOĞLU R. O., TUBITAK Project, 'Development of Rapid Detection Tests through Novel Immunoassay Applications and Biological Sample Processing', 2020 - Continues

## Patent

AZİZOĞLU R. O., Apparatus for use in a magnetic system for the rapid detection or separation of targets of interest in liquid samples, Patent, CHAPTER C Chemistry; Metallurgy, 2014

AZİZOĞLU R. O., Rapid detection of analytes in liquid samples, Patent, CHAPTER C Chemistry; Metallurgy, 2013

AZİZOĞLU R. O., Sample cartridge and sample stage, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, 2012

## Activities in Scientific Journals

Applied and Environmental Microbiology, Committee Member, 2012 - Continues

## Metrics

Publication: 14

Citation (WoS): 97

Citation (Scopus): 106

H-Index (WoS): 6

H-Index (Scopus): 6