

## Dr. Öğr. Üyesi REHA ONUR AZİZOĞLU

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, North Carolina State University, College Of Agriculture And Life Sciences, Amerika Birleşik Devletleri 2005 - 2009

Yüksek Lisans, North Carolina State University, College Of Agriculture And Life Sciences, Amerika Birleşik Devletleri 2003 - 2005

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Türkiye 1998 - 2002

### Yaptığı Tezler

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

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

### Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Mikrobiyoloji ve Klinik Mikrobiyoloji, Tıbbi Mikrobiyoloji, Yaşam Bilimleri, Mikrobiyoloji, Bakteriyoloji, Moleküler Biyoloji ve Genetik, Mikrobiyal Genetik, Temel Bilimler

### Akademik Unvanlar / Görevler

Yrd. Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği, 2020 - Devam Ediyor

### Akademik İdari Deneyim

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Enhancing gluten detection assay development through optimization of gliadin extraction conditions**  
Güven E., AZİZOĞLU R. O.  
Heliyon, cilt.9, sa.9, 2023 (SCI-Expanded)
- Cell Death in *Escherichia coli*: Incomplete Base Excision Repair under Depletion of DapB and Dxr Proteins.**

Azizoglu R. O.

mBio, cilt.13, sa.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, ss.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, cilt.1157, ss.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, cilt.96, sa.2, ss.993-999, 2013 (SCI-Expanded)
- VI. **Purine Biosynthesis Mutants (purA and purB) of Serotype 4b Listeria monocytogenes Are Severely Attenuated for Systemic Infection in Intra-gastrically Inoculated A/J Mice**  
Faith N. G., Kim J., Azizoglu R. O., Kathariou S., Czuprynski C.  
FOODBORNE PATHOGENS AND DISEASE, cilt.9, sa.5, ss.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, cilt.76, sa.21, ss.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, cilt.7, sa.9, ss.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, cilt.73, sa.8, ss.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, cilt.75, sa.16, ss.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, cilt.70, sa.1, ss.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, cilt.19, sa.7, ss.425-440, 1 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Characterization of ethylenediaminetetraacetic acid and acid tolerance of foodborne pathogenic bacteria**  
AZİZOĞLU R. O.  
International Journal of Agriculture, Environment and Food Sciences, cilt.4, sa.3, ss.311-318, 2020 (Hakemli Dergi)

## **Desteklenen Projeler**

AZİZOĞLU R. O., TÜBİTAK Projesi, 'Development of Rapid Detection Tests through Novel Immunoassay Applications and Biological Sample Processing', 2020 - Devam Ediyor

## **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, BÖLÜM C Kimya; Metalürji, 2014

AZİZOĞLU R. O., Rapid detection of analytes in liquid samples, Patent, BÖLÜM C Kimya; Metalürji, 2013

AZİZOĞLU R. O., Sample cartridge and sample stage, Patent, BÖLÜM F Makine Mühendisliği; Aydınlatma; Isıtma; Silahlar; Tahrip Malzemeleri, 2012

## **Bilimsel Dergilerdeki Faaliyetler**

Applied and Environmental Microbiology, Editörler Kurulu Üyesi, 2012 - Devam Ediyor

## **Metrikler**

Yayın: 14

Atıf (WoS): 97

Atıf (Scopus): 106

H-İndeks (WoS): 6

H-İndeks (Scopus): 6