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International Researcher IDs

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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

- Enhancing gluten detection assay development through optimization of gliadin extraction conditions**
Güven E., AZİZOĞLU R. O.
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- 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 Intra-gastrically 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., AZIZOĞLU 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**
AZIZOĞLU 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., TÜBİTAK 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