

CALL FOR PAPERS

Antimicrobial resistance of foodborne pathogens is a global problem. While the developed world is dealing with the emergence of multiple antimicrobial resistant pathogens with some urgency, most developing countries have not even instituted surveillance programmes to know the pattern of antimicrobial resistance in human, animal, food, and environmental sources. Antimicrobial resistance in humans can be acquired by ingesting food or drinking water contaminated by pathogens carrying antibiotic resistance genes. Antibiotics, in both developed and developing countries, are also often easily available without the need for a prescription from a qualified person. As a result of limited knowledge concerning antimicrobial resistance, doses are often too low or too high or administered for too short a time. Resistant strains of microorganisms normally result in therapeutic failure in the treatment of sick humans and animals.

The purpose of this special issue is to publish high-quality research papers, short communications, and review articles on surveillance studies of antimicrobial foodborne pathogens isolated from animals, food, and water sources in this 21st Century. Original, high quality contributions that have not previously been published or that are not currently under review by other journals or peer-reviewed conferences are sought.

Potential topics include but are not limited to the following:

- ▶ Prevalence of resistant foodborne pathogens in animals, food, or water
- ▶ Detection of pathogenic and antimicrobial resistance genes in foodborne pathogens
- ▶ Molecular characterization of antibiotic resistance genes in foodborne pathogens
- ▶ The use of oils, spices, herbs, and other additives to control pathogens in food and water
- ▶ The use of natural compounds such as bacteriocins, bacteriophages, and probiotics to control food and water pathogens
- ▶ Investigation of the mechanisms of transfer of food/waterborne pathogens from food/water to humans and vice versa

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jfq/anre/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Frederick Adzitey, University for Development Studies, Tamale, Ghana
adzitey@yahoo.co.uk

Guest Editors

Nurul Huda, Universiti Sultan Zainal Abidin, Terengganu, Malaysia
nrlhd@usm.my

James Owusu-Kwarteng, University for Development Studies, Tamale, Ghana
jowusukwarteng@yahoo.co.uk

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