

Special Issue

Antimicrobials in the Food Chain: Resistant Pathogens and Food Safety

Message from the Guest Editor

Zoonotic bacterial pathogens associated with food products constitute a well-known direct link to public health. Antibiotic-resistant genes (ARGs) in the food chain however represent a more indirect risk to public health by providing a larger gene pool for the acquisition of resistance by pathogens. This Special Issue invites articles with primary data or mini-reviews on the current standing or future challenges of AMR pathogens and food safety including (but not limited to) the following topics:

- Potential role of bacteriophages /probiotics to control AMR bacteria in food animals or food processing contexts.
- Surveillance of AMR in pathogens in the food chain.
- Evidence of transfer of AMR from food animals or products to people.
- Using new technologies (metagenomics /WGS etc.) to identify AMR and/or ARGs ‘from farm to fork.’
- Control of AMR and/or ARG from food animals or products by intervention by physical or chemical approaches.

Keywords: antimicrobial resistance; food safety; pathogens; risk assessment; detriment; antimicrobial genes; food processing; farm to fork; bacteriophages; probiotics; interventions

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)



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About the Journal

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

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