

Special Issue

Microbial Resistance Surveillance and Management in Food Systems

Message from the Guest Editors

Antimicrobial resistance represents a significant challenge in food systems, impacting food safety, public health, and antimicrobial stewardship efforts worldwide. This Special Issue explores current surveillance strategies, management practices, and novel interventions that address microbial resistance in food environments. By compiling diverse perspectives from microbiology, food science, epidemiology, and public health, this edition aims to advance our understanding and management of microbial resistance in food systems, thus promoting sustainable and public health practices. The scope of this Special Issue includes, but is not limited to, the following topics:

- Origin and dissemination of resistant microorganisms in the food production chain;
- Methodologies for monitoring antimicrobial-resistant pathogens in food production and distribution chains;
- Mechanisms and dynamics of the transmission of antimicrobial resistance through the food production chain;
- Strategies to mitigate antimicrobial resistance in food processing and preservation;
- Novel antimicrobial agents and alternative strategies that combat resistance in food-borne pathogens.

Guest Editors

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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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