

Special Issue

Emerging Challenges in Food Safety: Addressing Antimicrobial Resistance, Virulence Factors, and Biofilm Formation in Food-Borne Pathogens

Message from the Guest Editors

In recent years, the safety of our food supply has come under increasing scrutiny due to the emergence of antimicrobial-resistant (AMR) pathogens. These microorganisms pose a significant threat to public health. The prevalence of AMR in food-borne pathogens, which are transmitted through contaminated food and water, underscores the critical need for a comprehensive approach to mitigate these risks. This Special Issue seeks manuscript submissions that further our understanding of antimicrobial resistance, virulence factors, and biofilm formation in food-borne pathogens. We are particularly interested in studies that explore the mechanisms underlying antimicrobial resistance in food-borne bacteria, advances in the detection and characterization of virulence factors and biofilms, and innovative strategies for controlling these threats in food safety practices. Submissions on the development of novel antimicrobial compounds or approaches to disrupt biofilm formation and enhance food safety are also strongly encouraged.

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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