Special Issue

Antimicrobial Resistance of Foodborne Bacteria

Message from the Guest Editor

Food products are increasingly recognized as important for the transfer of antibiotic-resistant bacteria (ARB) and antimicrobial resistance genes (ARGs) through as yet unexplained mechanisms to become a public health threat in the general population. Little is known of the extent to which ARGs from food disseminate to other commensal or pathogenic bacteria or the precise mechanism for specific bacteria to colonize the human gut. Research in this area is essential to enable the food sector to gain necessary awareness and insight into the issue, and thereby then able to make adjustments and take necessary additional steps in the food safety assurance practices required to also encompass the threat of ARB/ARGs. This Special Issue invites articles on antimicrobial resistance including (but not limited to) the following topics: 1. Recent changes in antimicrobial resistance in foodborne pathogens or spoilage organisms; 2. Demonstrations of transfer of ARB/ARGs from food to humans; 3. Control of ARGs and/or ARBs from food animals or products by physical or chemical approaches; 4. Role of new technologies (bacteriophages/probiotics etc) to control ARB in food animals and products.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2022)

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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 disciples 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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