Antimicrobial-Resistance of Food-Borne Pathogens

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editor

Dear Colleagues,

The emergence of antimicrobial-resistance (AMR) in bacteria represents a major challenge for public health. The use, misuse, or indiscriminate use of antibiotics as therapeutic drugs in animal husbandry and plant health may contribute to the development of AMR in food-borne pathogens. There is growing concern over the possibility of AMR transmission via the food chain. Additionally, food processing environments could act as potential hotspots for AMR acquisition and spread. Indeed, biocide use and exposure to food-related stresses could presumably act as selection pressures for increased microbial resistance to antibiotics. Monitoring of AMR in food-borne pathogens in food-producing animals and their food products is crucial for understanding the development and diffusion of resistance, providing relevant risk assessment data, and evaluating targeted interventions. Currently, omics technologies are valuable tools to evaluate the dissemination and distribution of AMR of food-borne pathogens in the food chain. I invite authors to submit articles covering all aspects of this theme.

Keywords: antimicrobial resistance; food-borne pathogens

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Special Issue

Editor-in-Chief

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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.

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