Special Issue

Research of Antimicrobial Resistance in the Food Chain

Message from the Guest Editors

Increasing the antimicrobial resistance of bacteria and fungi is major challenge that is faced worldwide. One of the most common reasons for this is the use of antimicrobials in animal breeding and food processing. In farms, antimicrobials are commonly used in the prophylaxis of infectious diseases in animals, in order to reduce the risk of infection transmission. This occurs as antimicrobials are used as forage to improve the growth of animals. Antimicrobial resistance in food chains is a very important topic. This Special Issue aims to present the newest information and results from studies related to the use of antimicrobials in food chains. Research areas may include (but are not limited to) the following:

- The occurrence of antimicrobials in food products and in food-processing environments;
- The health risk associated with antimicrobials in food products;
- The effect of antibiotics present in food on the human gut microbiome;
- The fate of antibiotics in food chains and the environment;
- The acquiring of antimicrobial resistance;
- Antimicrobial resistance genes (ARG) and their transfer.

Guest Editors

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Deadline for manuscript submissions

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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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