Special Issue

Antimicrobial Resistance Monitoring in Food-Producing Animals

Message from the Guest Editors

Dear Colleagues, We are inviting the submission of reviews and original research papers presenting basic and applied research on antimicrobial resistance monitoring in food-producing animals. Antimicrobial resistance (AMR) represents one of the main challenges to public health in modern society. This problem, affecting humans, animals and the environment, should be addressed through a multidisciplinary approach from a "One Health" perspective. Several studies show how antibiotic-resistant bacteria (ARB) and the genes responsible for AMR (ARG) can be transferred from farm animals to humans. The recent literature has been focused on implementing knowledge of AMR through different methods such as selective bacterial cultures and/or whole-genome sequencing. Furthermore, assessing and monitoring AMR in food-producing animals is one method to track emerging resistant pathogens that are common between animals and humans. Therefore, the current Special Issue aims to acquire new knowledge about the topics of interest and stimulate a discussion to create new baselines for future studies on antimicrobial resistance monitoring and its implications in food-producing animals.

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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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