Special Issue

Insights into Antibiotics in Human, Animal, and Agriculture: Resistance, Determinant, and Treatment

Message from the Guest Editors

The overuse and inappropriate use of antibiotics in medicine, agriculture, fishery, and food animal production is an under-appreciated problem. Antibiotic residues have a negative impact on public health and food safety with regard to drug toxicity, immunopathological diseases, carcinogenicity, allergic reactions, etc., whereas antibiotic resistant bacteria lead to treatment failure in human and animal, increasing the number of infections worldwide. This Special Issue focuses on antibiotic-resistant bacteria including antimicrobial-resistant genes, genetic or genomic insights, epidemiology, and their characteristics, from medicine, agriculture, fishery, and food animal products. It includes applications and consequences of antibiotics, related bioactive agents, or natural compounds to treat bacterial infection/contamination in medicine, agriculture, fishery, and food animal production, as well as new methods for assaying antibiotic-resistant bacteria or antibiotic residues in medicine, agriculture, or the environment. Qualitative and quantitative studies exploring the determinants of antimicrobial use in agriculture, fishery, and food animal production are also accepted.

Guest Editors

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Dr. Jinquan Li

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Deadline for manuscript submissions

closed (30 November 2023)

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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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