Special Issue

Antibiotic Residues and Antimicrobial-Resistant Bacteria in the Environment

Message from the Guest Editors

Antibiotic resistance has become an increasingly critical issue in recent years. Therefore, antibiotic resistance genes and the mobile genetic elements that contribute to their spread have evolved in the environment over a long period of time and represent a rich reservoir for the emergence of new resistance genes. A better understanding of the mechanisms that contribute to the appearance of new resistance determinants and the paths in which the environmental reservoir in introduces into human pathogens may serve to better our ability to predict and prevent emergence of new antibiotic resistant clones in the hospital setting. This Special Issue welcomes contributions about antimicrobial resistant bacteria in the environment and lateral gene transfer of antibiotic resistance genes between environmental and clinically important bacteria. All submission types, such as original research manuscripts, short communications, reviews, and case reports are appreciated.

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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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