

Special Issue

Emerging Mechanisms of Antimicrobial Resistance and Strategies to Combat Them

Message from the Guest Editors

Antimicrobial resistance is recognized as one of the most serious global public health threats today. The emergence and rapid spread of antimicrobial resistance significantly limits the effective prevention and treatment of various infections caused by bacteria, viruses, fungi and parasites. This phenomenon not only endangers human and animal health, but also imposes significant economic costs. Therefore, it is of great importance to recognize and describe in detail the mechanisms and actors that enable resistance to antimicrobials in pathogenic microorganisms. Additionally, knowledge of the potential regulators of antimicrobial resistance is of inestimable importance. The discovery of novel participants and intracellular or extracellular regulators of antimicrobial resistance could reveal potential drug targets, as well as steer antimicrobial drugs development in a direction that will enable more effective therapies against pathogens that pose significant threats to healthcare systems worldwide.

Guest Editors

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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 disciplines 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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