

Special Issue

New Insights into Antimicrobial Compounds: From Synthesis and Discovery to Mechanisms of Action

Message from the Guest Editor

Infections, caused by drug-resistant and/or slow-growing bacteria, increasingly represent some of the greatest challenges facing health organizations worldwide. The decreased efficacy of the large percentage of antimicrobials currently in clinical use against these types of infections emphasizes the need for the development of novel antimicrobial agents that will be effective in eradicating a broad spectrum of bacteria, regardless of their cell cycle stage. This Special Issue aims to collect papers describing novel compounds with antimicrobial effects, whether from synthesis or natural sources. We also welcome papers describing the discovery of novel targets and molecular mechanisms of action, as well as on the application of omics and bioinformatic tools to antimicrobial drug discovery pathways.

Guest Editor

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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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