



Novel Approaches for the Treatment of Antimicrobial-Resistant Pathogens

Guest Editor:

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Message from the Guest Editor

Antimicrobial resistance is a significant problem in humans and animals worldwide. The extensive and non-selective use of antibiotics has resulted in the rise of bacteria that are resistant to antimicrobial agents, hence limiting the available treatment options for multidrug-resistant bacterial infections. To control antimicrobial resistance (AMR), it is imperative to engage in the systematic surveillance of AMR infection dissemination. Furthermore, there is an urgent need to identify and develop novel strategies that can control antimicrobial-resistant pathogens. These approaches include, but are not limited to, probiotics, prebiotics, antivirulence and quorum sensing inhibitors, small molecules, peptides, essential oils, nanoparticles and vaccines. This Special Issue welcomes high-quality original research papers on topics related to antibiotic alternatives.

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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.

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