



Discovery and Development of Novel Antibacterial Agents

Guest Editor:

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Message from the Guest Editor

This Special Issue will focus on the following topics:

- (1) the discovery of novel antibacterial natural products derived from microbial organisms, plants, etc.;
- (2) the identification and conformation of potential antibacterial targets particularly in Gram-negative bacteria;
- (3) a deep mechanistic understanding of the diverse ways for revitalizing existing antibiotics, to shed light on developing rational medication;
- (4) the emerging approach of host-directed therapy attracts increasing attentions recently by modulating either host immune responses or colonization resistance, to eliminate or diminish infections associated with multidrug-resistant bacterial pathogens.

Keywords:

- antibiotic
- antibiotic adjuvant
- natural product
- probiotic
- target





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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 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.

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