



## Nature Inspired Antibiotic Adjuvants to Face the Problem of Multidrug Resistance and Biofilm Infections

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### Message from the Guest Editors

Dear Colleagues,

Multidrug resistance to antibiotics reached a large scale, threatening the effective prevention and treatment of an ever-increasing range of infectious diseases. Biofilm-related infections are one of the leading reasons for the increased antibiotic resistance. Despite the global concern and actions to counteract this big problem, the World Health Organization warns for the lack of innovation and investment for R&D in antimicrobial chemotherapy. This Special Issue aims to gather original research papers or high-quality reviews on these subjects. Contributions of interest include (but are not restricted): the identification and development of new natural-based products to improve/recycle antibiotic activity against microorganisms in planktonic state and in biofilms; the antimicrobial mode of action of natural-based products; antivirulence mechanisms to control infections through non-antimicrobial effects; drug-repurposing strategies for antimicrobial chemotherapy; bioinformatics in antibiotic development.





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## Editor-in-Chief

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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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