



Life Defense in the New Century: Natural Products in the Development of New Antimicrobial Drugs

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Drug resistance is a global issue concerning bacteria, yeasts, viruses, and protozoa. It is a natural phenomenon that has been enhanced by the incorrect and excessive use of antimicrobial drugs.

Today, antibiotics resistance has become an issue of large and dangerous proportions for an ever-increasing number of microbial species, with many negative impacts, not only in aspects concerning health but also those related to health expenditure. Therefore, it is necessary to identify new substances able to inhibit many microbial species, including antibiotic-resistant ones. Natural products have played a central role in many therapeutical areas, especially in infectious diseases. These compounds are characterized by a high structural heterogeneity and complexity, in addition to their ability to act on several microbial and host targets. Accordingly, this Special Issue aims at favoring scientific research in the field of natural compounds endowed with antimicrobial effects.

Studies on the effects of chemically characterized phytocomplexes and isolated compounds with antimicrobial activities will be particularly appreciated.





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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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