Special Issue

Drug Design and Synthesis of Antibiotics and Alternatives

Message from the Guest Editor

Nowadays, the alarming and rapid spread of multidrug resistance bacteria makes developing a new antibiotic one of the most important topics in the drug discovery pipeline. Several naturally occurring substances and synthetic compounds are explored and studied to find new and effective antimicrobial agents. The aim of this Special Issue is to extend the knowledge about new antibiotics. Studies showing new compounds, promising starting structures, and modifications to currently approved antibiotics are highly desirable. Furthermore, in silico modeling and quantitative structure–activity relationship (QSAR) research met the area of interest. Studies on assessing pharmacokinetics properties, including ADME profiling, are also welcome. This Special Issue invites researchers interested in the design, discovery, and development of new antibiotic agents.

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 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.

Editor-in-Chief

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