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Design and Synthesis of Novel Antimicrobial Agents

Guest Editor:

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Deadline for manuscript submissions:
closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

According to the World Health Organization, ever-increasing antimicrobial resistance is one of the biggest threats to global health, food security, and development today. Antibiotic resistance occurs naturally, but misuse and overuse of antibiotics in humans and animals is accelerating the problem. Given the total number of approved drugs on the world market each year, the number of new substances with antimicrobial activity is insufficient. Therefore, it is crucial to pay particular attention to research that focuses on obtaining new antimicrobial substances. This Special Issue, "Design and Synthesis of Novel Antimicrobial Agents", aims to gather contributions from the latest scientific research in the design, synthesis, characterization, and development of a wide range of antimicrobial substances. The manuscript should include structural characterization of compounds and evaluation of their activity. Reviews and research articles will be considered for publication.

Keywords: antimicrobial activity; new antibiotics synthesis; design of antimicrobial agents; green synthesis of antimicrobials

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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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