



Synthetic and Natural Products-Based Antimicrobial and Antiparasitic Agents

Guest Editor:

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Message from the Guest Editor

Microbial and parasites are responsible for a wide diversity of diseases in humans and animals. The need for novel antimicrobials and antiparasitic agents has emerged as the current drugs have become less efficient due to resistance development. The potential of synthetic, semi-synthetic, and natural products as alternative antimicrobial (antibacterial, antifungal, and antiviral) and antiparasitic (especially antileishmanial, anti-trypanosomal, antischistosomal, and anti-toxoplasma, but not limited to them) agents will be addressed in this Special Issue. This issue will cover the discovery and design of new synthetic and semi-synthetic compounds, as well as their mechanisms of action, and structure–activity relationship (SAR) studies. Studies on bioactive microbial and plant-derived natural products and/or their semi-synthetic derivatives, as well as essential oils and their constituents, are also welcome. Authors are invited to contribute their submissions as reviews, research papers, or communication.

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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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