Special Issue

Antimicrobial Activity of Plant-Derived Products and Synthetic Derivatives

Message from the Guest Editors

The management of bacterial infections is a phenomenon with important implications for morbidity and mortality. Even though the number of drugs currently used in clinical practice of infectious diseases is high, the development of resistance necessitates the discovery of new effective agents. Natural products have been an endless source of compounds with great structural diversity, showing various modes of action against resistant microorganisms. These structures will enrich libraries to be used for the discovery of lead compounds and the development of drug candidates for successful therapies against resistant organisms. This Issue intends to collect cutting-edge research and review works illustrating the potential of extracts and active principles obtained from plants, as well as derivatives therefrom against microorganisms, with special attention to those with resistant phenotypes, and it also aims to bring together pharmacognosists, computer-aided drug design scientists, and clinicians working as a multidisciplinary team in the area of natural products. **Keywords: plant extracts, plant-derived compounds, antibacterial activity, resistant strains**

Guest Editors

Prof. Dr. Constantinos Athanassopoulos

Prof. Dr. Carlos L. Cespedes Acuña

Prof. Dr. María Cecilia Carpinella

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Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

mdpi.com/journal/antibiotics

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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.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of Wollongong, Wollongong, NSW 2522, Australia

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