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Antimicrobial and Antioxidant Activities of Natural Compounds and Synthetic Derivatives: Pharmacological Screening and Mechanism of Action

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Message from the Guest Editors

Natural products from plants, fungi and bacteria have been successfully used in the past for their antimicrobial and antioxidant activity. Many bacteria or yeast metabolites have been used as starting chemical skeletons for the generation of semi-synthetic drugs with improved biological activity. However, the search for new compounds with antimicrobial and antioxidant properties remains an area still largely to be explored.

The goal of this Special Issue is the exploration of new compounds of natural origin, but also their analogues of synthesis, to develop new and urgently needed antimicrobial and antioxidant therapies.

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Special Issue



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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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