

## Special Issue

# Natural Antimicrobial Products from Plants and Fungi: Current Knowledge and Future Prospects, 2nd Edition

### Message from the Guest Editors

The increased emergence of antimicrobial-resistant pathogens is a major healthcare problem worldwide. It is estimated that antimicrobial resistance contributes annually to approximately 700,000 deaths across the world. Plants and fungi offer exceptional chemical diversity with a wide variety of biological activities and thus are the most promising sources for drug discovery and development. The aim of this Special Issue is to present the status of and future trends in natural products from plants and fungi with antimicrobial properties (i.e., antibacterial, antifungal, antiviral). Other suitable topics are methods for increase in metabolite yield (e.g., bioelicitation) and investigation of genetic bases in metabolite production. Alternative use of plants and fungal compounds and extracts with antimicrobial activities in food, beverage, supplements, and cosmetic may also be part of this Special Issue. The Special Issue may include research papers and reviews on the antimicrobial properties of extracts and/or new metabolites from plants and fungi, a dynamic field at the intersection of microbiology, biotechnology, pharmacology, and biology.

### Guest Editors

Dr. Paola Angelini

Prof. Dr. Luigi Menghini

Prof. Dr. Roberto Venanzoni

Dr. Giustino Orlando

### Deadline for manuscript submissions

closed (16 December 2021)



## Antibiotics

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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 disciplines 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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### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
School of Chemistry and Molecular Bioscience, University of  
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