Special Issue

Antimicrobial Effects of Bioactive Compounds: Phytoproducts-Based Fight against Pathogens

Message from the Guest Editors

For some decades, antimicrobials have allowed us to control infectious diseases that were once rapidly lethal, significantly increasing life expectancy. Unfortunately, in recent years, there has been a drastic reduction in the effectiveness of conventionally used antimicrobial therapies. Currently, dying from cystitis or an infected wound caused by superbacteria is no longer such a remote possibility, even in high-income countries. Scientific research must respond to these global challenges with the rapid development of effective and safe therapeutic and preventive tools. Thus, we look with considerable interest at the plant world in search of natural products such as botanical extracts, essential oils, and other bioactive components with antimicrobial properties. There are numerous data in the literature in this regard, but there is certainly still much to study before some of these substances become a therapeutic reality. In this volume, the most interesting articles on bioactive phytocompounds with antimicrobial activity will be collected with the aim of developing valid tools in the fight against pathogens.

Guest Editors

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Deadline for manuscript submissions

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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