

Special Issue

Synergistic Antioxidant and Antimicrobial Activity of Natural and Synthetic Compounds

Message from the Guest Editors

Microbial contaminations and infection-induced oxidative stress are critical issues in several health-related fields, and the availability of molecules endowed with both antioxidant and antimicrobial activity represents an important opportunity for food, pharmaceutical, and cosmetic applications. In this context, natural products have always represented an important source of inspiration in drug design and development, and plant-derived phenolics, characterized by antioxidant and antimicrobial activities, have attracted great interest in recent years. This Special Issue aims to collect original research articles, review papers, reports, or communications in the field of synergistic or dual-acting antioxidant and antimicrobial compounds with attention on natural sources, synthesis and semisynthesis of novel derivatives, mechanism of action, in vitro assays and in vivo biological evaluation. In the case of natural extracts or compound mixtures, characterization of the active molecules should be included.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of “oxidative stress” a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

Editor-in-Chief

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