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Antioxidant Capacity of Natural Products

Guest Editor:

Prof. Dr. Younghwa Kim
School of Food Biotechnology and Nutrition, Kyungsung University, Busan 48434, Republic of Korea

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Message from the Guest Editor

This Special Issue aims to highlight studies relating to the antioxidant capacity of natural products. Excessive oxidative stress results from an imbalance between the production of oxidant derivatives and the defense mechanisms of antioxidants. This stress can result in the impairment of cells, proteins and DNA, contributing to the aging process. Moreover, oxidative stress is a critical factor in the pathogenesis and progression of diabetes, cancer and neurodegenerative disorders. Reactive oxygen species (ROS) are generally recognized as detrimental to health. Among numerous substances from nature that can act as antioxidants, dietary phytochemicals are potent antioxidants that can scavenge and intercept free radicals to prevent cellular damage. Researchers are actively investigating the properties and activities of promising antioxidants derived from natural sources as potential countermeasures against metabolic disorders.

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Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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.

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Contact Us

Antioxidants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/antioxidants
antioxidants@mdpi.com
𝕏@antioxidants_OA