



an Open Access Journal by MDPI

Natural Bioactive Compounds Exerting Health Promoting Effects through Ameliorating Oxidative Stress

Guest Editors:

Prof. Dr. Baojun Xu

Food Science and Technology
Program, Department of Life
Sciences, Beijing Normal
University-Hong Kong Baptist
University United International
College, Zhuhai 519087, China

Prof. Dr. Bin Du

Hebei Key Laboratory of Natural
Products Activity Components
and Function, Hebei Normal
University of Science and
Technology, Qinhuangdao
066004, China

Message from the Guest Editors

Oxidative stress is caused by various intrinsic and extrinsic factors. It has been widely accepted that dietary supplement interventions can decrease the levels of oxidative stress. Natural bioactive compounds (flavonoids, stilbenes, terpenes, alkaloids, saponins, polysaccharide, etc.) have been reported to exhibit multiple health promoting effects, including antioxidant activity. However, the underlying cellular signaling and molecular mechanisms of their effect in ameliorating oxidative stress are not fully understood. In this Special Issue, we will collect and summarize the antioxidant activities of natural bioactive compounds based on studies on cell culture models, animal models, and clinical trials.

Deadline for manuscript
submissions:

20 August 2024



mdpi.com/si/167688

Special Issue



an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [PubAg](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (*Food Science*)

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](#)