



## Dietary Bioactives and Their Metabolites as Modulators of Oxidative Stress and Inflammation

Guest Editors:

**Dr. Monica Deiana**

Università degli Studi di Cagliari,  
Cagliari, Italy

**Dr. Gabriele Serreli**

Università degli Studi di Cagliari,  
Cagliari, Italy

**Dr. Giulia Corona**

University of Roehampton,  
London, UK

Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editors

The regular intake of dietary bioactive compounds may play a key role in health and disease. Experimental evidence has demonstrated dietary bioactive compounds can act as antioxidants and anti-inflammatory agents, thus contributing to preventing/slowing down chronic diseases. However, the real impact of such compounds on human health is still being debated, as the circulating concentrations of phytochemicals after their dietary consumption are often very low. Recent advances in the field of phytochemicals are therefore focusing on the bioactivity of their main metabolites, which have been shown to be able to reach concentrations compatible with biological activity in several tissues.

In this Special Issue, we aim to collect the latest research or review articles that will provide new evidence in the still-unexplored areas concerning the metabolites that can be generated *in vivo* from dietary phytochemicals. In particular, it will focus on the features of *in vivo*-formed metabolites, their bioavailability and, on the mechanisms of their action in various models of human disease characterized by oxidative imbalance and/or inflammation.





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 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)

## Contact Us

---

*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)  
[X@antioxidants\\_OA](https://twitter.com/antioxidants_OA)