



an Open Access Journal by MDPI

## Exploring Recent Advances in Plant Extracts: Understanding Antioxidant Mechanisms and Health Benefits

Guest Editors:

**Prof. Dr. Gianina Cristina Crişan**

Department of Pharmaceutical Botany, Iuliu Haţieganu University of Medicine and Pharmacy, 8 Victor Babeş Street, 400347 Cluj-Napoca, Romania

**Dr. Ana-Maria Vlase**

Department of Pharmaceutical Botany, Iuliu Haţieganu University of Medicine and Pharmacy, 8 Victor Babeş Street, 400347 Cluj-Napoca, Romania

Deadline for manuscript submissions:

**31 December 2024**

### Message from the Guest Editors

The focus of this Special Issue is to elucidate the mechanisms underlying the antioxidant activity of plant extracts and expound on their potential health benefits. Researchers are encouraged submit studies that seek to investigate the identification and characterization of bioactive compounds within plant extracts, their antioxidant capacity assessment using both in vitro and in vivo models, and the exploration of their molecular mechanisms of action. Additionally, we welcome clinical trials and human studies evaluating the beneficial health effects of plant extracts in diverse populations in order to provide valuable insights into their efficacy and optimal dosage.

By publishing in this Special Issue, researchers have the opportunity to contribute to the collective knowledge and advance the field of plant extracts, antioxidant activity, and health effects. We aim to foster interdisciplinary collaboration, explore innovative methodologies, and present cutting-edge research in this rapidly expanding field.



[mdpi.com/si/173894](https://mdpi.com/si/173894)

# 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](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)