



an Open Access Journal by MDPI

## Polyphenolic Antioxidants in Food

Guest Editors:

### Dr. Avi Shpigelman

Faculty of Biotechnology and  
Food Engineering, Technion,  
Israel Institute of Technology,  
Haifa 3200003, Israel

### Prof. Dr. Jelena Popović- Djordjević

Department for Chemistry and  
Biochemistry, Faculty of  
Agriculture, University of  
Belgrade, Nemanjina 6, 11080  
Belgrade, Serbia

Deadline for manuscript  
submissions:

**30 December 2024**

### Message from the Guest Editors

In this Special Issue, we invite original works that address the identification, characterization, and mechanisms of antioxidant activity of polyphenols, studied using *in vitro* and *in vivo* methodologies. The submitted papers, stemming from fundamental and applied research, should highlight polyphenols' (bio)functionality, with a special focus on their potent antioxidant capacity, which significantly contributes to the human diet.

Contributions may range from analytical advancements in polyphenol identification and quantification to processing technologies and their impact on composition, stability and bioavailability. We particularly encourage studies that explore the synergistic effects of different polyphenols or polyphenols with other dietary components, as well as those that investigate their potential impact on health outcomes. Furthermore, we also seek research that delves into their incorporation in food products and papers discussing safety aspects related to their use.



[mdpi.com/si/205263](https://mdpi.com/si/205263)

# 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 (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)