

Special Issue

Polyphenolic Antioxidants in Food

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.

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

closed (30 June 2025)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/205263

Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

[mdpi.com/journal/
antioxidants](https://mdpi.com/journal/antioxidants)





Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



[mdpi.com/journal/
antioxidants](https://mdpi.com/journal/antioxidants)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

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)