

Special Issue

Exploring the Interplay of Antioxidant Activity and Phytochemical Composition in Plant Extracts and Bee Products

Message from the Guest Editors

Antioxidants neutralise oxidative stress, thereby significantly contributing to various health disorders, such as inflammation and carcinogenesis, and ageing. It is important to explore the potential health benefits of natural sources, such as plant extracts and bee products, as they are rich in bioactive compounds, which are often underutilised, and thus, steps should be taken to promote their rational and sustainable use. Bee products, including honey, propolis, royal jelly, and bee pollen, are renowned for their diverse bioactive compounds, such as flavonoids, phenolic acids, and enzymes, which exhibit potent antioxidant properties. Similarly, plant extracts derived from a body of botanical matrices possess a rich phytochemical composition, encompassing flavonoids, polyphenols, and other antioxidant molecules. The aim of this Special Issue is to collate research papers that highlight the links between antioxidant activity and phytochemical composition in plant extracts and bee products, aiming to uncover novel insights into targeted health solutions.

Guest Editors

Prof. Dr. Lina Raudonė

Dr. Mindaugas Liaudanskas

Prof. Dr. Sonata Trumbeckaitė

Deadline for manuscript submissions

closed (10 June 2025)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/196724

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)