

## Special Issue

# Antioxidant Properties and Applications of Food By-Products—2nd Edition

### Message from the Guest Editor

We are pleased to announce the Special Issue: "Antioxidant Properties and Applications of Food By-Products - 2nd Edition". Food manufacturing generates substantial by-products often misclassified as 'waste', leading to resource loss and environmental challenges. Yet these by-products are rich sources of bioactive compounds - including natural antioxidants like polyphenols and carotenoids, and essential macronutrients. This edition aims to explore advanced extraction and valorization strategies, focusing on antioxidant capabilities and other bioactivities. We welcome original research and reviews covering innovative processing technologies, characterization methods, and action mechanisms to enable high-value applications in functional foods, pharmaceuticals, and cosmetics. By addressing knowledge gaps and fostering interdisciplinary dialogue, this issue will establish food by-products as key contributors to a circular economy. We look forward to your contributions toward advancing global environmental and food sustainability.

### Guest Editor

Dr. Kai Wang

School of Food Science, South China Agricultural University,  
Guangzhou 510642, China

### Deadline for manuscript submissions

31 May 2026



## Antioxidants

an Open Access Journal  
by MDPI

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/si/259654](https://mdpi.com/si/259654)

*Antioxidants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antioxidants@mdpi.com](mailto: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)