

## Special Issue

# Developing Natural Antioxidants from Agro-Food Wastes: From Valorization to Application

### Message from the Guest Editors

The agro-food industry generates high amounts of waste during the collection, storage, transport, and processing of raw materials that may possess added-value ingredients with high functionality. Natural antioxidants such as polyphenols, phytochemicals, dietary fiber, proteins, peptides, and polysaccharides can be valorized from agro-food by-products and wastes. As the global market for natural antioxidants continues to rise, it is expected that more research and development will expand the list of natural antioxidants derived from agro-food industry residuals. The valorization of food waste with the recovery of antioxidant-rich extracts is even more interesting considering the fact that the non-edible parts of fruits and vegetables often contain a higher bioactive content than the edible parts. These bioactives possess several biological properties such as antioxidant, anticancer, antidiabetic, and anti-inflammatory activities, which are utilized in the food industry, biomedical zone, and energy sector.

### Guest Editors

Prof. Dr. Andrés Moreno

Department of Organic Chemistry, Faculty of Chemical Sciences and Technologies, University of Castilla-La Mancha, 13071 Ciudad Real, Spain

Dr. Milad Hadidi

Department of Organic Chemistry, Faculty of Chemical Sciences and Technologies, University of Castilla-La Mancha, 13071 Ciudad Real, Spain

### Deadline for manuscript submissions

closed (30 August 2023)



## Antioxidants

an Open Access Journal  
by MDPI

Impact Factor 6.0  
CiteScore 10.6  
Indexed in PubMed



[mdpi.com/si/146873](https://mdpi.com/si/146873)

*Antioxidants*

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 6.0  
CiteScore 10.6  
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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)