

## Special Issue

# Innovative Technologies for Detecting Antioxidant Properties and Oxidative Stabilization of Agri-Food Products and Plant Extracts

### Message from the Guest Editor

Food provides essential amino acids, carbohydrates, proteins, vitamins, minerals, and other vital nutrients that support daily human activities, energy, and nutritional needs. From an economic perspective, recycling waste agri-food by-products can address environmental issues and provide valuable resources for extraction in various industries. The development of green extraction and formulation methods tailored to each antioxidant is crucial for maintaining the stability of active ingredients and ensuring effective delivery to their targets. These extracts are rich in bioactive compounds such as polyphenols and flavonoids, which possess significant antioxidant activity, as well as nutraceutical and biomedical benefits. This Special Issue aims to highlight the use of cutting-edge technologies to detect the antioxidant properties and oxidative stability of agri-food products and plant extracts. We welcome all types of articles, including original research, numerical studies, and comprehensive reviews related to (but not limited to) these topics.

### Guest Editor

Dr. Chao Hui Feng

1. School of Regional Innovation and Social Design Engineering, Faculty of Engineering, Kitami Institute of Technology, 165 Koen-cho, Kitami 090-8507, Hokkaido, Japan

2. RIKEN Centre for Advanced Photonics, RIKEN, 519-1399 Aramaki-Aoba, Aoba-ku 980-0845, Sendai, Japan

### 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/213737](https://mdpi.com/si/213737)

*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)