

## Special Issue

# Novel Antioxidant Mechanisms for Health and Diseases, 2nd Edition

### Message from the Guest Editor

Antioxidant therapy effectively addresses oxidative stress-related diseases. These conditions arise from the depletion of endogenous antioxidants, which leads to oxidative stress. Therefore, supplementation with exogenous antioxidants, including vitamins and polyphenols, has been suggested as a solution. However, some studies report potential drawbacks, such as neutralizing beneficial reactive oxygen species (ROS) or requiring excessive doses for effectiveness, making clinical application challenging. Oxidative stress plays a role in various contexts, from pathological conditions to fatigue and the side effects of anticancer drugs. Therefore, the rapid and precise replenishment of antioxidants that specifically counteract harmful ROS is crucial. This second edition welcomes submissions that approach antioxidant therapy using novel ideas that differ from existing antioxidant therapies, including gene therapy, and the elucidation of in vivo antioxidant mechanisms.

---

### Guest Editor

Dr. Yoshihisa Koyama

Department of Neuroscience and Cell Biology, Osaka University  
Graduate School of Medicine, Suita 565-0871, Japan

---

### Deadline for manuscript submissions

30 December 2026



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/si/234363](https://mdpi.com/si/234363)

*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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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