

## Special Issue

# Oxidative Stress and the Central Nervous System

### Message from the Guest Editors

In this Special Issue, we will pay special attention to the impact of oxidative-stress-dependent protein post-translational modifications on protein stability and function and the implications for central nervous system components (neurons, astrocytes, glial cells, stem cells) in aging and neurodegeneration. Both original articles and reviews are welcomed based on in vitro and in vivo studies, focusing on understanding how oxidative stress, through protein alteration (misfolding, aggregation, post-translational modifications, inflammation), impacts the viability and function of the cells of the CNS.

---

### Guest Editors

Dr. Claudia Colussi

Istituto di Analisi dei Sistemi ed Informatica, National Research Council (CNR), Rome, Italy

Dr. Marcello D'Ascenzo

Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy

---

### Deadline for manuscript submissions

closed (20 September 2024)



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/si/176457](https://mdpi.com/si/176457)

*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)