

## Special Issue

# Analytical Methods Used for Antioxidant Activity: Nutrition, Medicine and Pharmacy

### Message from the Guest Editor

Antioxidant biomolecules have gained a lot of attention from the scientific and medical community due to their extensive biological effects. Whether we talk about diets rich in antioxidants, dietary supplements or even modern drugs, these molecules have proved their efficacy and safety in preventing or treating several pathologies. However, antioxidants supplementation is not always beneficial, and in certain cases it can lead to undesirable effects. This is why, nowadays many clinical trials are aiming to establish evidence-based doses, trying to establish supplementation protocols for particular pathologies. Nonetheless, the detection of several antioxidants in foods, biological fluids and dietary supplements is of great importance for nutritional or therapeutical protocols as well as to assure the quality of several dietary supplements. Therefore, the present Special Issue will mainly focus, but not exclusively on analytical methods used for the detection of antioxidant capacity of different biological matrices as well as for the identification of antioxidants from different samples (identification based on “antioxidant assays”).

### Guest Editor

Dr. Andrei Mocan

1. Laboratory of Chromatography, Institute of Advanced Horticulture Research of Transylvania, University of Agricultural Sciences and Veterinary Medicine, 400372 Cluj-Napoca, Romania
2. Department of Pharmaceutical Sciences 3rd, Iuliu Hațieganu University of Medicine and Pharmacy, 400337 Cluj-Napoca, Romania

### Deadline for manuscript submissions

closed (31 December 2023)



## Antioxidants

an Open Access Journal  
by MDPI

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/si/167511](https://mdpi.com/si/167511)

*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)