

## Special Issue

# Plant Antioxidants in the “One Health” Paradigm

### Message from the Guest Editors

Redox homeostasis is pivotal in organism fitness, with several partners being involved in its regulation. In recent decades, several studies have focused on ROS, the putative effects of which evolved for years from metabolic tortfeasor to signaling molecules. The purpose of this Special Issue of *Antioxidants* is to provide a current overview on redox biology in its specificities characterizing organisms with different evolutionary levels (from bacteria to mammals) as well as in its common metabolic routes and implications. The interaction between environment (including diet) and organisms modulating ROS and antioxidative pathways is also a topic of this Special Issue. You are thus warmly invited to submit your work to this issue that focuses on the following issues: ROS-antioxidant-related topics such as new vision for ROS/antioxidant crosstalk; plant antioxidative mechanisms; chemistry of plant antioxidants; characterization and analysis of antioxidant activities; evaluation of ROS production or content; role of diet antioxidant in human health; natural antioxidants in foods; and other related topics. We look forward to your contribution.

---

### Guest Editors

Prof. Dr. Laura De Gara

Research Unit of Food Science and Human Nutrition, Department of Science and Technology for Sustainable Development and One Health, Università Campus Bio-Medico di Roma, Via Alvaro del Portillo, 21-00128 Roma, Italy

Dr. Sara Cimini

Università Campus Bio-Medico di Roma, Italy

Prof. Dr. Maria Angeles Pedreño

Department of Plant Biology, Faculty of Biology, University of Murcia, Campus de Espinardo, 30100 Murcia, Spain

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 8.2  
CiteScore 14.7  
Indexed in PubMed



[mdpi.com/si/37569](https://mdpi.com/si/37569)

*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 8.2  
CiteScore 14.7  
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 (Clinical Biochemistry)