



an Open Access Journal by MDPI

## SOD-1 and Antioxidant Role in Cellular Pathophysiology

Guest Editors:

**Prof. Paolo Mondola**

Section of Human Physiology,  
Department of Medicina Clinica e  
Chirurgia, University of Naples  
“Federico II”, Naples, Italy

**Dr. Giuseppina Ruggiero**

Department of Scienze Mediche  
Traslazionali, University of  
Naples “Federico II”, Naples, Italy

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editors

We invite you to submit your latest research findings or a review article to this Special Issue, which will bring together current research concerning SOD-1 involvement in both physiological processes as well as diseased states. This research can include both in vitro and in vivo studies relating to any of the following topics: structure/function of SOD-1; regulation of SOD-1 production, intracellular localization, and extracellular export; posttranslational modifications of SOD-1; the role of SOD-1 in cell signaling, cell metabolism, cell cycle regulation, epigenetic pathway modulation, cellular stress managing, and disease pathogenesis.



[mdpi.com/si/90032](https://mdpi.com/si/90032)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Alessandra  
Napolitano**

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

## 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.

## 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)

## Contact Us

---

*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)  
[X@antioxidants\\_OA](https://twitter.com/antioxidants_OA)