

## Special Issue

# Oxidative Stress in Human Diseases: Focus on Redox Status Assessment in Biological Fluids, Tissues and Cells

### Message from the Guest Editors

Reactive oxygen species are involved in a multitude of physiological mechanisms. However, despite the development of a complex antioxidant system, their excessive level, which is responsible for the onset of oxidative stress, may contribute to the initiation and progression of tissue/organ injury. The assessment of redox status in tissues/organs and body fluids remains an open challenge due to a lack of validated oxidative stress biomarkers. Indeed, a very large number of molecules with different reactivities exist and the evaluation of a single redox marker gives limited information. Analytical issues regarding the validation of oxidative stress biomarkers have recently received substantial attention due to the increasing interest in investigating their potential clinical applications. On these bases, we invite you to submit your latest research findings or review articles to this Special Issue, which is focused on the assessment of redox status in physiologic and pathologic human conditions. Both in vitro and in vivo studies relating to these topics will be suitable for the current issue. We look forward to your contribution.

---

### Guest Editors

Dr. Claudia Fiorillo

Department of Biomedical, Experimental and Clinical Sciences "Mario Serio", University of Florence, Viale Morgagni 50, 50134 Florence, Italy

Dr. Matteo Becatti

Department of Experimental and Clinical Biomedical Sciences "Mario Serio", University of Firenze, 50121 Firenze, Italy

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.6  
CiteScore 14.7  
Indexed in PubMed



[mdpi.com/si/37075](https://mdpi.com/si/37075)

*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 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)