

Special Issue

Crosstalk Between Oxidative Stress and Inflammation in Cardiovascular Diseases, Cancer and Neurodegeneration

Message from the Guest Editors

Extensive evidence demonstrates that many chronic diseases and cancer have a background of chronic low-grade inflammation and redox disturbances that precede the onset of overt symptoms and accompany the disease during its progression. In depth knowledge on the crosstalk of genetic determinants, epigenetic mechanisms and critical transcription factors in inflammation and redox signaling, such as NFkB, AP1 and NRF2, and their interference with various other signaling pathways involved in DNA repair, endoplasmic reticulum stress, autophagy and hypoxia, as well as an integrative analysis of recently generated omics big data, is expected to foster the development of innovative therapeutic strategies for controlling disease in its early stages or as preventive measure for at risk patients. This Special Issue is focused on the current state of the art of preclinical and clinical studies on the inflammation–redox interplay in ageing and related chronic diseases, such as neurodegeneration and cardiovascular, metabolic and immune disorders, as well as in cancer.

Guest Editors

Dr. Adrian Manea

Institute of Cellular Biology and Pathology “Nicolae Simionescu” of the Romanian Academy, 050568 Bucharest, Romania

Dr. Gina Manda

“Victor Babeş” National Institute of Pathology, Splaiul Independentei 99-101, 050096 Bucharest, Romania

Deadline for manuscript submissions

closed (30 November 2023)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 14.7
Indexed in PubMed



mdpi.com/si/156597

Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)