

Special Issue

Antioxidants and MicroRNA Modulation

Message from the Guest Editors

MicroRNAs are the *trait d'union* of molecular mechanisms in both physiological and pathophysiological conditions. An emerging field of research is focused on "redoximiRs", i.e., redox-sensitive microRNAs, which provide an important and probably crucial additional control mechanism for redox signaling, beyond the well-characterized redox-sensitive transcription factor nuclear factor erythroid 2-related factor 2 (Nrf2). The potential for microRNA-based therapies exists, especially for non-communicable disease characterized by diminished antioxidant defenses and dysregulated redox signaling, which can lead to accelerated aging, cardiovascular and metabolic diseases, neurodegeneration, and cancers.

Papers of interest to this Special Issue regard microRNAs modulation by: i) natural compounds; ii) cellular redox molecules; iii) drugs; iv) nutraceuticals; v) nutritional regimens.

Guest Editors

Dr. Erika Cione

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, 87036 Rende, Italy

Dr. Maria Cristina Caroleo

Department of Health Sciences, University of Magna Graecia Catanzaro, 88100 Catanzaro, Italy

Deadline for manuscript submissions

closed (30 September 2021)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/41531

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 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)