

Special Issue

Lipoproteins and Redox Imbalance in Health and Disease: Mechanisms and Therapeutic Opportunities

Message from the Guest Editors

Lipoproteins, beyond their classical role in lipid transport, are central players in redox regulation and inflammation across a wide range of pathological conditions. Structural and functional alterations of lipoproteins—including oxidative modifications—are key contributors to the pathogenesis of cardiovascular, metabolic, neurodegenerative, and inflammatory diseases. This Special Issue aims to provide a comprehensive overview of the interplay between lipoproteins and redox homeostasis in both physiological and pathological contexts. We welcome original research articles and review papers that explore how lipoproteins modulate or are affected by oxidative stress, with a special emphasis on molecular mechanisms, diagnostic potential, and therapeutic applications.

Guest Editors

Dr. Chiara Pavanello

1. Centro E. Grossi Paoletti, Dipartimento di Scienze Farmacologiche e Biomolecolari "Rodolfo Paoletti", Università degli Studi di Milano, Milano, Italy

2. Dyslipidemia Center, SSD Diagnosi e Cure Territoriali Malattie Cardiache, ASST Grande Ospedale Metropolitano Niguarda, Milan, Italy

Dr. Alice Ossoli

Department of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Milan, Italy

Deadline for manuscript submissions

31 December 2026



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/244007

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)