



an Open Access Journal by MDPI

Oxidative Stress in Proteomics and Metabolomics Studies of Cardiovascular Diseases

Guest Editors:

Dr. Marta Martin-Lorenzo

Department of Immunology, IIS-Fundacion Jimenez Diaz, UAM, Avenida Reyes Católicos 2, 28040, Madrid, Spain

Dr. Gloria Alvarez-Llamas

Department of Immunology, IIS-Fundacion Jimenez Diaz, UAM, RICORS2040, Avenida Reyes Católicos 2, 28040 Madrid, Spain

Deadline for manuscript submissions:

closed (30 September 2023)

Message from the Guest Editors

Cardiovascular diseases remain the leading cause of premature death worldwide. Pathophysiological mechanisms operating in cardiac and vascular dysfunction involve a plethora of interconnected molecules within different cells, arterial layers, and subcellular compartments, resulting in biological alterations which ultimately may be visualized in biological fluids. Omics techniques allow accessing this complex framework with an unparalleled overall perspective. Oxidative stress is one of the hallmarks of cardiovascular disease development. However, despite efforts, antioxidant treatments have not been successful in controlling the development of cardiovascular diseases. Further investigation is needed in both senses, improving the knowledge of the underlying mechanisms and also identifying and monitoring therapeutic targets and effective antioxidant drugs.

The aim of this Special Issue is to compile novel studies involving oxidative stress in cardiovascular diseases via omics approaches. Manuscripts investigating other diseases directly associated with increased cardiovascular risk, e.g., hypertension, diabetes mellitus, or chronic kidney disease, are also welcome.



mdpi.com/si/158581

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

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