

Special Issue

Redox Biology and Cardiovascular Disease

Message from the Guest Editors

As you are all keenly aware, cardiovascular disease remains an important issue worldwide. At the core of the pathobiology in numerous processes ultimately driving poor cardiovascular outcomes is the elevated rates of oxidant generation in the face of diminished capacity for small molecular weight antioxidants and antioxidant enzyme systems. Intimately linked to this interplay between oxidants and antioxidants is inflammation; yet it remains unclear whether oxidant load or inflammation is the seminal driver (the chicken or egg conundrum). Recent advances in our capacity to more specifically identify reactive species and their downstream metabolites, genetic tools and advanced imaging has served to move the field forward and identify novel targets for therapeutic approaches to address numerous cardiovascular disease processes; however, many goals are yet to be accomplished. As such, this Special Issue aims to collect papers which deal with all aspects of redox-related processes involved in the etiology, propagation and resolution of cardiovascular disease.

Guest Editors

Prof. Dr. Eric E. Kelley

Department of Physiology and Pharmacology, West Virginia University, School of Medicine, Morgantown, WV, USA

Dr. Adam C. Straub

Department of Pharmacology and Chemical Biology, Vascular Medicine Institute, University of Pittsburgh, Pittsburgh, PA, USA

Deadline for manuscript submissions

closed (31 January 2021)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/53032

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)