



## Mitochondrial Redox in Cardio-Metabolic Disease and Cardio-Oncology

Guest Editors:

**Dr. Aaron Sverdlov**

aaron.sverdlov@  
newcastle.edu.au

**Dr. Doan Ngo**

Doan.Ngo@newcastle.edu.au

**Prof. Dr. Gemma Figtree**

gemma.figtree@sydney.edu.au

Deadline for manuscript  
submissions:

**10 February 2022**

### Message from the Guest Editors

Increased oxidative stress has emerged as a major mediator of pathophysiological processes in many cardiovascular disease states, as well as major cardiovascular risk. Cardio-oncology, a new subspecialty concerned with cardiovascular complications of cancer and cancer therapies, is an emerging and rapidly growing area clinical concern and expanding research direction. Oxidative stress has also been proposed to play an important role in some of the toxicities of anticancer therapies.

While cellular oxidases are known sources of reactive oxygen species, mitochondria has now been implicated as a major source of reactive oxygen species. Furthermore, oxidative-stress-mediated mitochondrial dysfunction has emerged as a potential key mechanism behind a number of cardiovascular diseases. It has also been postulated to be the driver of anthracycline-mediated cardiotoxicity and involved in other cancer-therapy-associated cardiovascular toxicities.

We invite original research and review articles focusing on role of mitochondrial oxidative stress in the setting of cardiometabolic disease and cardio-oncology.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Stanley Omaye

Department of Agriculture,  
Nutrition and Veterinary  
Sciences, University of Nevada,  
1664 North Virginia Street, Reno,  
NV 89557, USA

## 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](#), [AGRICOLA](#), [CAPlus / SciFinder](#), and many other databases.

**Journal Rank:** [JCR - Q1 \(Biochemistry & Molecular Biology\)](#) / [CiteScore - Q2 \(Physiology\)](#)

## Contact Us

---

*Antioxidants*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)