Special Issue

Physical Exercise-Induced Redox Balance

Message from the Guest Editors

Emerging evidence indicates that a large part of the positive effects of physical activity is driven by reactive oxygen species (ROS), thus modulating the expression level of various genes associated with physiological and pathological conditions. ROS are a normal by-product of metabolism and necessary components of both cell signaling and homoeostasis; however, their presence in excess amounts can lead to a redox-unbalance with negative health effects. In particular, excessive production of ROS, particularly from oxygen radicals, can induce damage to macromolecules, including DNA, leading to genetic mutations and genomic instability, characteristics of numerous diseases and disorders. This Special Issue invites submissions of manuscripts, either original research or reviews, with an emphasis on describing the interplay between redox balance and physical activity in physiological or pathological conditions. The main focus is on human studies, but work on animal models will also be considered.

Guest Editors

Dr. Ivan Dimauro

Prof. Parisi Attilio

Dr. Guglielmo Duranti

Deadline for manuscript submissions

closed (31 March 2022)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/69381

Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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

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)

MDPI