

Special Issue

Redox Signaling at the Crossroads of Immunity, Inflammation, Infectious Disease, and Cancer

Message from the Guest Editors

Reactive oxygen species (ROS) manifest effects that encompass both beneficial physiological functions as well as damaging alterations of cellular components. Indeed, normal functioning of the immune system, both innate and adaptive mechanisms, involve acute ROS production and intricately regulated redox signaling. A dysfunctional immune system resulting from oxidative stress and chronic inflammation are now known to be responsible for the initiation, progression, and therapeutic resistance of numerous diseases. However, despite decades of research in this field, no effective therapy is currently approved for regulating altered redox signaling at the crossroads of immunity, inflammation, infectious diseases, and cancer. This Special Issue of *Antioxidants* will focus on the mechanisms linked to the regulation of pro- and antioxidants in both normal and pathological circumstances. In addition, this Special Issue will address druggable targets that show promise in clinical settings. Therefore, basic research, clinical case reports, as well as review articles will be accepted.

Guest Editors

Dr. Debasis Mondal

Associate Professor of Microbiology, Lincoln Memorial University—
Debusk College of Osteopathic Medicine, 9737 Cogdill Road, Knoxville,
TN 37932, USA

Dr. Syed Siraj A. Quadri

Faculty of Pharmacology, Lincoln Memorial University, Debusk College
of Osteopathic Medicine, 9737 Cogdill Road, Knoxville, TN 37932, USA

Deadline for manuscript submissions

closed (30 April 2023)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/54790

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)