

Special Issue

Antioxidant Agents for the Prevention and Therapy of Oxidative Stress in Hepatic Diseases

Message from the Guest Editors

Oxidative stress has been implicated in diverse pathological mechanisms, and may contribute to the initiation and progression of liver injury. Risk factors including drugs and alcohol, environmental pollutants and irradiation, and exposure to viruses and bacteria may generate ROS. This results in severe hepatic diseases. Increased ROS production is also involved in ischemia–reperfusion injury pathology. IRI is an inherent syndrome associated with liver surgery and organ transplantation where deleterious injury is due to ischemia and reperfusion. Antioxidant therapy would mean a rational healing strategy in the treatment of liver diseases that involve ROS production. For potential new therapeutic targets, more emphasis should be placed on deeper mechanistic investigations of hepatic ischemia–reperfusion injury and on translational research to refine current strategies in the use of antioxidants. This Special Issue calls for original research and full reviews that address the progress and current knowledge on the mechanism of ROS-mediated liver injury, therapeutic strategies, and the protective role of antioxidants.

Guest Editors

Dr. Teresa Carbonell Camós

Department of Cell Biology, Physiology and Immunology, Universitat de Barcelona, 08028 Barcelona, Catalonia, Spain

Prof. Dr. Joan Roselló-Catafau

Experimental Hepatic Ischemia-Reperfusion Unit, Institut d'Investigacions Biomèdiques de Barcelona (IIBB), Spanish National Research Council (CSIC), 08036 Barcelona, Catalonia, Spain

Deadline for manuscript submissions

closed (15 August 2021)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/54569

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)