Special Issue

Oxidative Stress and Hearing Loss

Message from the Guest Editors

Loss of redox balance leading to the oxidation of molecules essential for cell function and survival is one of the main common mechanisms. Nowadays, the implication of oxidative stress in inner ear damage is well established, however, further research is needed to better understand the exact molecular mechanisms and to prevent redox-mediated forms of hearing loss. In this Special Issue we want to address these basic aspects from a broad perspective. We will welcome reviews on general redox molecular mechanisms, including those focused on hearing physiopathology, plus original manuscripts focused on understanding how the redox balance is maintained and how the redox balance is lost in the hearing organ, as well as those that address preclinical studies of new molecules aimed at the protection and repair of hearing. We will also welcome complementary manuscripts on related sensory and neural structures, such as the olfactory sensory epithelium and the nervous system.

Guest Editors

Dr. Isabel Varela-Nieto

1. Institute for Biomedical Research "Alberto Sols" (IIBm), Spanish National Research Council-Autonomous University of Madrid (CSIC-UAM), 28029 Madrid, Spain
2. Rare Diseases Networking Biomedical Research Centre (CIBERER), CIBER, Carlos III Institute of Health, 28029 Madrid, Spain
3. La Paz Hospital Institute for Health Research (IdiPAZ), 28046 Madrid, Spain

Dr. Francis Rousset

The Inner Ear and Olfaction Lab, Department of Pathology and Immunology, Faculty of Medicine, University of Geneva, CH-1206 Geneva, Switzerland

Deadline for manuscript submissions

closed (30 May 2023)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/120605

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)