



an Open Access Journal by MDPI

Recent Perspectives on Oxidative Stress, Metabolic and Inflammatory Diseases

Guest Editors:

Prof. Dr. Annalisa Marcuzzi

Department of Morphology,
Surgery & Experimental Medicine,
University of Ferrara, 44121
Ferrara, Italy

Dr. Erika Rimondi

1. Department of Morphology,
Surgery & Experimental Medicine,
University of Ferrara, 44121
Ferrara, Italy
2. LTTA Centre, University of
Ferrara, 44121 Ferrara, Italy

Deadline for manuscript
submissions:

closed (20 June 2024)

Message from the Guest Editors

Dear Colleagues,

The studies on the pathogenesis of various inflammatory and metabolic diseases in adults and children have evidenced a strong link among oxidative stress and inflammation. Mitochondria are the hub of cell redox homeostasis, since they are fundamental in ROS production and also serve as ROS targets. As a consequence, their dysfunction is involved in different aspects of the inflammatory process.

This Special Issue is aimed at providing the reader with the most recent advances in the field, focusing on studies that evaluate novel aspects about the complex cellular and molecular mechanisms underlying metabolic and inflammatory diseases and the strategies for the identification of effective and innovative pharmacological treatments.

Physicians, immunologists, biologists and pharmacologists are invited to contribute to this Special Issue by submitting papers that may be in the form of original studies, reviews, case studies and meta-analyses on this topic.



mdpi.com/si/158102

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI