



Advanced Research on Oxidative Stress in Cell Function

Guest Editors:

Dr. Min-Yen Hsu

School of Medicine, Chung Shan
Medical University, Taichung,
Taiwan

Prof. Dr. Yuan-Yen Chang

School of Medicine, Chung Shan
Medical University, Taichung City
40201, Taiwan

Deadline for manuscript
submissions:

closed (15 April 2022)

Message from the Guest Editors

Dear Colleagues,

Oxidative stress plays an important role in many diseases, including age-related macular degeneration, cancer and mitochondrial disease. Advances in research such as the use of nanoparticles, nanomedicine and extracellular vesicles have increased the number of therapeutic options for oxidative stress-related diseases. A better understanding of the relationship or mechanism of how cellular function maintains balance under oxidative stress is important, and therapeutic targets or antioxidants with the potential to treat oxidative-stress-related diseases need to be identified in order to improve the outcomes of these diseases. As such, this Special Issue welcomes submissions of original research and review articles related to any aspect of the role of oxidative stress in the pathogenesis of diseases, identification and exploration of novel targets, and development and testing of antioxidant therapies.

- oxidative stress
- angiogenesis
- extracellular vesicles
- nanomedicine
- antioxidants
- age-related macular degeneration
- therapeutic targets





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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*, *CAPlus / SciFinder*, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
X@Biomed_MDPI