

Special Issue

Advanced Research on Oxidative Stress in Cell Function

Message from the Guest Editors

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

Guest Editors

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About the Journal

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.

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