

Special Issue

Biological Role of Oxidative Stress in Inflammatory Processes

Message from the Guest Editor

This Special Issue seeks to present research results and conclusions that describe and explain the biological mechanisms related to oxidative stress and redox balance in inflammatory processes occurring in the body. Oxidative stress and redox balance have been troubling the scientific community for years, as researchers have been seeking their causes and effects, as well as pharmacological solutions in the mechanisms associated with them. Due to developing research and analytical possibilities, more and more questions regarding, among others, the involvement in this process of triggering factors, transcription factors, receptors, antioxidants, and novel biomarkers may find a solution. Therefore, we are seeking works that describe not only path mechanisms, but also biologically important compounds, whose impact on the body's redox balance significantly defines the inflammatory processes accompanying cardiovascular diseases, cancer, autoimmune, neurodegenerative diseases, and all disorders that lead to inflammation. We hope that the set of hypotheses and conclusions collected in this Special Issue will have a significant clinical impact.

Guest Editor

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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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