



Advancing Redox Biomarkers in Pathological Conditions

Guest Editors:

Dr. Tatiana Armeni

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Università Politecnica delle
Marche, 60100 Ancona, Italy

Dr. Andrea Scirè

Department of Life and
Environmental Sciences
(Di.S.V.A.), Università Politecnica
delle Marche, 60100 Ancona, Italy

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to collect and disseminate the latest research and progress related to the use of oxidative biomarkers in pathological conditions that induce or cause redox system imbalances. Understanding and quantifying oxidative stress is fundamental for understanding the mechanisms underlying diseases, such as cardiovascular disease, neurodegenerative disorders, cancer, and aging-related diseases. The study of oxidative stress and the selection of biomarkers remain challenges, both in terms of identifying new stress markers (such as the detection and/or quantification of specific post-translational modifications in proteins) and validating, standardizing, and reproducing existing methodologies. The accurate measurement and interpretation of these markers provide critical insights into comprehensive disease assessment, aiding in diagnosis, the development of new therapeutic strategies, and monitoring treatment outcomes. This Special Issue invites authors to submit studies and reviews related to oxidative dysregulation via the detection of markers of oxidative stress as both causes and consequences of associated diseases.





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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

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*International Journal of Molecular
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