



Clinical Relevance of Biomarkers of Oxidative Stress

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Message from the Guest Editors

Dear Colleagues,

The role of oxidative stress in the onset and progression of numerous chronic and degenerative diseases, such as cancer, autoimmune disorders, rheumatoid arthritis, aging, neurodegenerative and cardiovascular diseases has been widely described. The measurement of oxidative stress biomarkers plays a pivotal role in the evaluation of the health status as well as the development of oxidative stress-mediated disorders. Thus, verifying oxidative stress biomarkers levels is of particular importance if applied to clinical practice. Selecting the most appropriate biomarker can be useful in clinical diagnostics but also in identifying patient populations that benefit from certain treatments allowing a personalized therapy, for example with antioxidants.

This Special Issue aims to describe biomarkers of oxidative stress and discuss their possible usefulness in clinical practice. We intend to collect papers that investigate the role of biomarkers in understanding oxidative stress-mediated disease pathogenesis, helping in the diagnosis of diseases, developing new therapeutic strategies, and monitoring treatment outcomes.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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