



Oxidative Stress and Inflammation as Targets for Novel Preventive and Therapeutic Approaches in Non Communicable Diseases

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Message from the Guest Editors

Non-communicable diseases (NCDs) are chronic diseases characterized by being of long duration and very slow progression. NCDs account for approximately 70% of the deaths for cardiovascular diseases, cancer, diabetes mellitus, chronic kidney disease, and Alzheimer's disease. They share common features such as an altered inflammatory status, a redox imbalance, and a compromised autophagy, that participate in the progression of these chronic diseases, and are critical for the development of novel therapeutic strategies. This Special Issue is dedicated to providing more insight into recent developments in the field. We welcome contributions of both reviews of the literature and original research articles describing the role of oxidative stress and inflammation; their interplay with autophagy; as well as their modulation through signaling pathways and gender response by novel preventive and therapeutic strategies, including drug combinations with natural active compounds, in cell culture systems, preclinical animal models, and human clinical studies.





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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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