

Special Issue

Crosstalk Between Oxidative Stress and Inflammation in Cardiovascular Diseases, Cancer and Neurodegeneration

Message from the Guest Editors

Extensive evidence demonstrates that many chronic diseases and cancer have a background of chronic low-grade inflammation and redox disturbances that precede the onset of overt symptoms and accompany the disease during its progression. In depth knowledge on the crosstalk of genetic determinants, epigenetic mechanisms and critical transcription factors in inflammation and redox signaling, such as NFkB, AP1 and NRF2, and their interference with various other signaling pathways involved in DNA repair, endoplasmic reticulum stress, autophagy and hypoxia, as well as an integrative analysis of recently generated omics big data, is expected to foster the development of innovative therapeutic strategies for controlling disease in its early stages or as preventive measure for at risk patients. This Special Issue is focused on the current state of the art of preclinical and clinical studies on the inflammation–redox interplay in ageing and related chronic diseases, such as neurodegeneration and cardiovascular, metabolic and immune disorders, as well as in cancer.

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About the Journal

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.

Editor-in-Chief

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