Special Issue

Oxidative Stress and Redox Regulation in Chronic Inflammatory Disorders

Message from the Guest Editor

Oxidative stress and cellular redox regulation play a key role in the pathophysiological processes of a wide range of chronic diseases, such as cardiovascular diseases, chronic obstructive pulmonary disease and neurodegenerative diseases. It has been reported in a large number of clinical and experimental studies that reactive oxygen species (ROS) act at a low concentration as signalling molecules in several physiological cellular functions, for example in growth and inflammatory regulation, but an overproduction of ROS induces irreversible functional alterations or complete destruction in cells and organs. This Special Issue could be an opportunity for the scientific community to provide original research articles, clinical reports and review articles that cover a large range of fields, such as biochemistry, pathophysiology and oxidative stress and redox regulation therapy to treat chronic diseases.

Guest Editor

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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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