Special Issue

Disentangling the Association between Chronic Diseases and Oxidative Stress through Metabolomics

Message from the Guest Editor

Oxidative stress is the result of metabolic disbalance and can impact all components of the cell, including DNA, proteins, and metabolites. Many studies suggest an essential role of oxidative stress in the pathogenesis of chronic diseases. Studies analyzing the metabolic impact of oxidative stress on experimental models or human cohorts are scarce. Metabolomics provides information on a wide range of molecular processes through the measurement of individual metabolites. The metabolome is closely linked to the phenotype and constitutes an important tool for detecting and understanding physiological and pathophysiological states. The goal of this Special Issue is to collect evidence and provide mechanistic insight to better understand the association between oxidative stress and chronic diseases through the analysis of metabolites.

Guest Editor

Dr. Daniel Monleon

Department of Pathology, Medicine and Odontology Faculty, University of Valencia, 46010 Valencia, Spain

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/antioxidants

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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

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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