

Special Issue

Redox Biomarkers in Dietary Interventions and Nutritional Observation Studies

Message from the Guest Editors

Oxidative stress is a common feature of several human diseases, it interacts with various biomacromolecules and leads to the formation of a variety of substances which are often referred to as redox biomarkers.

Currently, several interventional and observational studies have been performed in both healthy participants and patients to assess potential associations of dietary habits, foodstuffs or isolated nutrients with biomarkers of oxidative stress. However, few studies have measured biomarkers from all three standard categories: oxidative damage, endogenous antioxidants, and exogenous antioxidants. Moreover, many studies have relied on controversial assays for the determination of total antioxidant capacity. Thus, most of the existing results seem inconsistent and inconclusive, reinforcing the need for future well-designed studies to be performed. In view of the above, the present Special Issue aims to highlight novel dietary interventions and nutritional observation studies conducted both in healthy participants and patients that investigate potential beneficial associations of dietary habits, foodstuffs or isolated nutrients with biomarkers of oxidative stress.

Guest Editors

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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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