

Special Issue

Dietary Antioxidants: Their Complex Interplay with Nutrients and Pharmaceuticals

Message from the Guest Editors

Antioxidants are ubiquitous in human nutrition and have the potential to act as nutraceuticals in the prevention or therapy of many chronic diseases driven by oxidative stress. Several micronutrients, namely vitamins and phytochemicals, express antioxidative capacities by regulating redox homeostasis and redox signalling. To compensate the dietary deficiencies supplementation with multivitamin complexes or phytochemicals is widely used, regardless of the lack of knowledge on the potential synergistic or antagonistic effects of dietary antioxidants with nutrients and pharmaceuticals. The Special Issue "*Dietary Antioxidants: their complex interplay with nutrients and pharmaceuticals*" aims to collect reports and reviews investigating the underlying molecular mechanisms of the bioavailability of dietary antioxidants, as well as antioxidant-nutrient interactions, antioxidant-drug interactions, and interferences of antioxidants with human metabolism. Furthermore, studies focusing on the development of new experimental approaches, analytical methods and targeted delivery systems of dietary antioxidants will be welcome.

Guest Editors

Dr. Maria Wallert

Prof. Dr. Marc Birringer

Prof. Dr. Stefan Lorkowski

Deadline for manuscript submissions

closed (30 June 2022)



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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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