

Special Issue

Natural Antioxidants and Their Oxidized Derivatives in Processed Food

Message from the Guest Editors

The importance of antioxidants in promoting human health and preventing degenerative diseases in correlation with intracellular oxidation is well known. Several pharmacological effects such as anti-inflammatory, anticancer, cardioprotective, neuroprotective, and antiaging have been recognized in various antioxidants naturally present in foods, and the World Health Organization recommends their intake through a diet rich in foods high in natural antioxidants to help health and well-being. This Special Issue intends to cover recent updates on natural antioxidants and their oxidized forms in processed foods. Topics include, but are not limited to, the extraction, characterization, antioxidant activity, and bio-availability of natural antioxidants and/or their oxidized derivatives when affected by processing treatments, interaction with other food components, packaging systems, and storage. We welcome studies on the formation mechanism of the oxidized forms of antioxidants and their implications for food nutritional and sensory quality and human health.

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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.

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