Special Issue

Lipid Oxidation and Antioxidants in Food

Message from the Guest Editor

In addition to tracking and controlling the formation of oxidized lipids, interactions between oxidized lipids and antioxidants, the chemical fate of antioxidants, and any reactions of the oxidized lipids and the antioxidants with different food systems, such as bulk oil, w/o emulsions or protein-rich food matrix, are the focus of this Special Issue. In a protein-rich food matrix, lipid oxidation is known to be associated with protein oxidation, which might lead to cross-linking reactions, amino acid side chain modification or protein fragmentation with a detrimental impact on food quality. The aim of the Special Issue is to report current insights into mechanisms of lipid oxidation, the mode of actions of synthetic and natural antioxidants (e.g., free radical scavenging, chelating, carbonyl-amine reactions), and any interaction between oxidized lipids, antioxidants and the food system (e.g., peptides) by a holistic view of the food system. The Special Issue provides the latest research on strategies to control lipid oxidation in complex food.

Guest Editor

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Deadline for manuscript submissions

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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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