



Carotenoids in Foods and Feeds

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Message from the Guest Editor

The purpose of this Special Issue of Antioxidants is to present recent investigations on the contents of carotenoids in foods and feeds. In addition to potential raw materials, the analysis of carotenoids in food and feed products as affected by processing is of ongoing interest. This will include traditional techniques as well as modern processes. It is also important to show recent developments in carotenoid isomerization and metabolism in foods and feeds. Results on biological activities of carotenoids contained in foods and feeds are also welcome.

Carotenoids are a group of natural pigments consisting of more than 750 compounds known so far. This structural element is also responsible for the good antioxidant properties of many carotenoids. Carotenoids have shown various biological activities, making them an interesting topic for researchers of various disciplines all over the world. As lipophilic compounds, their uptake and storage in the body is dependent on various conditions. In vitro and in vivo data have showed stimulating and inhibiting effects of matrix compounds on the bioaccessibility and bioavailability of carotenoids.





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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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