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## Plant-Origin Antioxidants and Their Application and Role in Food Products: Focus on Gluten-Free Food and Diet

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### **Message from the Guest Editors**

Antioxidants contribute to the maintenance of well-being and health via their preventive role against adverse changes occurring in response to harmful stimuli.

A gluten-free diet (GFD), though having recently gained popularity beyond its main medical indication, is recommended for individuals with gluten-related disorders (celiac disease, gluten ataxia, wheat allergy, and non-celiac gluten sensitivity). Individuals on a GFD, in particular celiac patients, are exposed to high oxidative stress. They usually exhibit impaired performance of antioxidant enzymes, which form an important antioxidant barrier in the body, and are therefore prone to oxidant–antioxidant imbalance.

Oxidative stress could be minimized by the use of antioxidants in the diet. Thus, new recipes for gluten-free products containing natural antioxidants of plant origin and plant by-products, are essential. We welcome original research articles, short communications, mini-reviews, and reviews covering topics related to the technological and nutritional aspects of the application of plant-derived antioxidants in food products, with a particular emphasis on their role in gluten-free foods and diet.



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# Special Issue



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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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