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Developing Natural Antioxidants from Agro-Food Wastes: From Valorization to Application

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Message from the Guest Editors

Dear Colleagues,

The agro-food industry generates high amounts of waste during the collection, storage, transport, and processing of raw materials that may possess added-value ingredients with high functionality. Natural antioxidants such as polyphenols, phytochemicals, dietary fiber, proteins, peptides, and polysaccharides can be valorized from agro-food by-products and wastes. As the global market for natural antioxidants continues to rise, it is expected that more research and development will expand the list of natural antioxidants derived from agro-food industry residuals. The valorization of food waste with the recovery of antioxidant-rich extracts is even more interesting considering the fact that the non-edible parts of fruits and vegetables often contain a higher bioactive content than the edible parts. These bioactives possess several biological properties such as antioxidant, anticancer, antidiabetic, and anti-inflammatory activities, which are utilized in the food industry, biomedical zone, and energy sector.



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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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