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Biologically Active Compounds from Food By-Products: Extraction, Analysis and Antioxidant Activity

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Message from the Guest Editor

Dear Colleagues,

The circular economy is a model of production and consumption, involving the sharing, rental, reuse, repair, renovation and recycling of existing materials and products for as long as possible. In practice, it involves minimising waste or even involves the zero waste concept, which is an important target for food producers. These products can be continuously reused, creating even more added value.

Nowadays, by-products from the food industry are rapidly increasing, resulting in economic losses and negative impacts on the environment over time. To develop strategies for the recovery of residues and by-products in the food chain, it must be taken into account that they are rich in functional molecules. Various types of waste may contain antioxidants that could be concentrated and reused in functional and value-added foods or other fields, such as cosmetic, pharmaceutical and bio-material production.

This Special Issue is, therefore, open to all contributions related to the recovery of biologically active compounds from food by-products, their characterization and valorization as ingredients with high value and a wide range of possible applications.

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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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