

Special Issue

Plants and Plant-Based By-Products as Valuable Sources of Antioxidants: Current Tendencies and Achievements in Their Exploitation

Message from the Guest Editors

Along with the scientific literature concerning plants as a source of bio-antioxidants, the number of studied plant-based by-products has reached drastic levels and is no longer limited only to residues of the sugar and oil industry, or olives, cereals, and wine production. Until now, plant by-products have mostly been used as animal feed or for composting; however, new processing techniques have been developed to address their exploitation for human nutrition and health as well. Food matrices such as husks, calyx, bran, peel, skin, etc., are a treasure trove, rich in antioxidants but still insufficiently studied and therefore underestimated and neglected. The aim of this Special Issue is to present the current state of research and achievements, as well as promising perspectives for expanding antioxidant exploration, including the following: analysis of antioxidants in extracts of plants or their by-products; evaluation of antioxidant activity and/or oxidative stability; assessment of antioxidants for development of value-added formulations; green extractions of antioxidants; utilization of by-products as a key strategy in the circle economy.

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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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