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Sustainable Exploitation of Plant-Based Matrices—Biologically Active Compounds and Their Extraction, Applications, and Potential Health Benefits

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Message from the Guest Editors

The exploitation of plant resources demands a sustainable approach due to soil degradation, loss of biodiversity, and extensive usage in various fields. Increased demand for phytonutrients accelerates the need for scientific research that will reveal the vast spectrum of health-promoting constituents (flavonoids, carotenoids, polyphenols, alkaloids, phytosterols, vitamins, and minerals, among others) as well as their corresponding activities (immune health, skin health, bone health, cardiovascular health, anti-cancer, etc.). The utilization of fruit by-products is another important field that not only targets zero-waste to the environment but also the sustainable exploitation of all value-added resources.

This SI aims at disseminating some of the most recent and significant contributions in natural products research including phytochemicals, biological activities, and practical applications in the daily diet in the view of the sustainable exploitation of resources.



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Message from the Editor-in-Chief

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