

Special Issue

Bioactive Compounds from Fruit and Vegetable By-Products: Recovery, Characterization, and Potential Applications

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the recovery, characterization, and application of bioactive compounds derived from fruit and vegetable processing by-products. We invite original research articles, reviews, and case studies that explore innovative extraction technologies (e.g., green solvents, ultrasound-assisted, and enzymatic), advanced analytical methods for compound profiling, and the functional evaluation of recovered compounds in food, pharmaceutical, cosmetic, or agricultural applications. Contributions that address bioavailability, stability, regulatory aspects, or the techno-functional integration of these compounds into novel food systems are also welcome. Through this Issue, we seek to bridge gaps between waste management, food science, and bioactive compound research, offering sustainable and health-oriented solutions for industry and society. Researchers, industry experts, and policymakers are encouraged to contribute their knowledge to promote the efficient use of agro-industrial residues and support the transition toward zero-waste biorefineries.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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