



Agro-Industrial By-Products and Their Bioactive Compounds

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Message from the Guest Editors

Agro-industrial by-products are of great interest because they are important inexpensive sources of bioactive compounds, such as phenolics, terpenoids, alkaloids, carotenoids, vitamins, organic acids (such as fatty acids and amino acids), polysaccharides and proteins. These bioactive compounds possess antioxidant, anti-inflammatory, anti-proliferative, immunomodulatory, antimicrobial and antiviral properties. Economic, environmentally friendly, and sustainable techniques for the extraction of bioactive compounds from agro-industrial by-products are critical for feeding our growing world population. The application of advanced technology, such as encapsulation, 3-D printing, and biological transformations to convert the bioactive compounds into innovative high-value products will be necessary to garner their maximum health-promoting, nutritional, and economic value.

This Special Issue “Agro-Industrial By-Products and Their Bioactive Compounds” is an international platform for reporting researches concerning technologies and novel ideas for extraction, identification, modification and application of bioactive compounds from agro-industrial byproducts.





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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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