

Special Issue

Sustainable Recovery of Bio-Active Compounds from Horticultural Plants

Message from the Guest Editor

By following the circular economy principles, valorization of natural bioactive compounds (NBCs) from agro-industrial material (even waste) is a mandatory commitment for a sustainable future, as it meets three fundamental demands for the sustainability of the future human society. Bioactive compounds and anthocyanins present in fruits and vegetables are receiving increased attention because of their potential health benefits.

Moreover, throughout the agro-industrial chain, from farmers to final consumers, a large amount of fruit and vegetable waste product is generated. This material still contain a significant number of micronutrients, vitamins, and the natural bioactive compounds (NBCs) mentioned above, which possess a variety of biological activities. The biggest research challenge is now the identification of the best “extraction” conditions, in order to improve release of NBCs from the vegetable matrix in which they are encased. This Issue will highlight the research of new potential NBCs with important biological activities from different horticultural plants extracted in a sustainable way according to circular economy principles.

Guest Editor

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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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