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Advances in Fruit and Vegetable Quality, Bioactive Compounds and Nutritional Value

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Message from the Guest Editors

The increasing demand for fresh fruit- and vegetable-based products is related to growing evidence regarding both their nutritional value and the presence of health-promoting compounds. However, fresh fruits and vegetables are highly perishable, leading to significant losses throughout the whole supply chain. For this purpose, the application of emerging processes and the development of edible coating and films are some of the currently applied strategies. On the other hand, innovative approaches have been proposed to valorize waste and fruit and vegetable by-products, including green extraction procedures for bioactive ingredients, micro/nanoencapsulation, fermentation processes, and the synthesis of nanoparticles, among others. Thus, the present Special Issue aims to provide an overview of the recent advancements in processes toward maintaining the overall quality (microbiological, sensory, and nutritional) of fresh-cut fruit and vegetables for prolonged storage as well as green approaches that deal with valorizing wastes from the agro-food industry. The development of novel functional foods containing fruit- and vegetable-waste-based ingredients will be also considered.



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Special Issue



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Message from the Editor-in-Chief

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