

Special Issue

Functional Properties in Preharvest and Postharvest Fruit and Vegetables

Message from the Guest Editors

Consumption of fruit and vegetables not only provides basic nutrition for humans but also has potential health-promoting effects in reducing inflammation and preventing chronic diseases. Due to the health benefits, the accumulation of bioactive compounds and functional properties of fruit and vegetables have attracted more and more attention of researchers in the horticulture field. In recent years, it has been well recognized that the accumulation of bioactive compounds is subject to complicated regulation with dynamic changes in the composition in response to developmental and postharvest stimuli. To date, although progress has been made in understanding the accumulation of bioactive compounds in plants, the elucidation of the molecular mechanisms and key regulators involved in biosynthesis of bioactive compounds is still challenging. In-depth research into the biosynthesis of bioactive compounds and the development of novel preharvest and postharvest technologies are of great importance, which will contribute to improving the accumulation of bioactive compounds and enhancing the nutritional and commercial values of fruit and vegetables.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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