

Special Issue

Secondary Metabolism and Physiological Regulation of Postharvest Fruits and Vegetables

Message from the Guest Editors

Postharvest fruits and vegetables are susceptible to suffering various abiotic stresses during transportation. When encountering stress, it will cause series of changes in metabolic pathways and subsequently lead to various physiological and biochemical changes. Among them, secondary metabolism plays an important role in the process of resisting abiotic stresses. Therefore, regulating secondary metabolism is one of the most useful areas of study in terms of postharvest quality and storage periods of postharvest fruits and vegetables.

The objective of this Special Issue is to highlight different innovative findings regarding postharvest fruit and vegetable preservation, food nutrition control, changes in the physiological metabolism of fruits and vegetables and regulatory mechanisms of secondary metabolism. On this basis, the changes in secondary metabolite modification genes, such as glycosyltransferase, which can regulate the homeostasis of small molecules after suffering from stress, can be analyzed. We hope this Special Issue will provide new perspectives for an improved understanding of the metabolic physiological regulation of postharvest fruits and vegetables.

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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, and 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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