

Special Issue

Molecular and Physiological Regulation of Secondary Metabolism in Vegetables

Message from the Guest Editors

Vegetables are closely related to human daily life. They not only decorate food with their colorful appearance but also guarantee the health of the people with their comprehensive and rich nutrition, especially bioactive compounds from secondary metabolism. Vegetables contain a variety of secondary metabolites, which are widely involved in growth and development, resistance against biotic and abiotic stresses, quality characteristics and formation, and other physiological processes of vegetable crops. Likewise, they can be influenced by intrinsic genetic factors and extrinsic environmental factors, as well as postharvest handlings. Today, the genomic sequence of more and more vegetable crops has been released, facilitating the elucidation of regulatory mechanisms of secondary metabolites in vegetable crops together with other technologies, such as omics, gene editing technologies, and bioinformatics. Therefore, in this Special Issue, articles that focus on the regulatory mechanism of secondary metabolism and their role in vegetable growth and development, as well as responses to environmental stresses, quality characteristics and changes at omic levels, are most welcome.

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Message from the Editor-in-Chief

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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