



plants



an Open Access Journal by MDPI

Molecular and Physiological Regulation of Secondary Metabolism in Vegetables (2nd Edition)

Guest Editors:

Prof. Dr. Bo Sun

College of Horticulture, Sichuan Agricultural University, Chengdu 611130, China

Dr. Huiying Miao

Department of Horticulture, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions:

closed (10 July 2024)

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.



mdpi.com/si/178641

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)