



Advances in Berry Crop Flavoromics, Secondary Metabolism and Regulation

Guest Editors:

Prof. Dr. Qihong Pan

College of Food Science and
Nutritional Engineering, China
Agricultural University, Beijing
100083, China

Dr. Xiangyi Li

Department of Plant Science,
School of Agriculture and
Biology, Shanghai Jiao Tong
University, Shanghai 200240,
China

Dr. Keji Yu

Beijing Advanced Innovation
Center for Tree Breeding by
Molecular Design, Beijing
Forestry University, Beijing
100083, China

Deadline for manuscript
submissions:

closed (25 November 2022)

Message from the Guest Editors

Berries are rich in sugars, amino acids, organic acids, phenolic compounds such as phenolic acids, flavonols, and anthocyanins, and aroma compounds. These primary and secondary metabolites are greatly affected by both abiotic and biotic factors. Our understanding of how internal or external factors modulate the secondary metabolism and thus berry quality is of crucial importance for breeders and growers to develop plant material and viticultural practices to maintain high-quality berry and wine production. Particularly in the context of global warming, berry crop growth, maturation and flavor quality all have been affected significantly. The application of multi-omics integration approaches has promoted the rapid development of plant stress physiology, and provided opportunities to elucidate the mechanism underlying the formation and regulation of quality traits in berry crops. For this Special Issue, we welcome any original research or review articles that highlight recent advances in different disciplines related to berry crop flavoromics, secondary metabolism and regulation.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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), PubAg, AGRIS, FSTA, and other databases.

Journal Rank: JCR - Q1 (*Horticulture*) / CiteScore - Q2 (*Horticulture*)

Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
X@Horticul_MDPI