

Special Issue

New Insights into the Genetic Regulation and Quality Improvement of Grapes

Message from the Guest Editors

Grape is characterized by a wealth of germplasm resources, which manifest in significant differences in fruit quality, resistance mechanisms, and storage properties. Consequently, analyzing the genetic characteristics of different resources and optimizing cultivation and storage methods can contribute to providing a more solid theoretical basis for high-quality grape production. We cordially invite researchers to contribute original research articles and reviews for this Special Issue and to share your achievements in the genetic regulation and quality improvement of grapes, with a particular focus on the following aspects: (i) studying the fruit quality and genetic characteristics of different grape germplasm resources; (ii) functional verification of the key genes and transcription factors associated with grape fruit quality; (iii) research on the impact of stress on grape fruit quality and stress mitigation measures; (v) research on the effects of hormones and cultivation technology on grape fruit quality; and (vi) research on the storage and preservation of table grapes.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2025)



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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.

Editor-in-Chief

Prof. Dr. Luigi De Bellis

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