

Special Issue

Physiology and Biochemistry in Relation to Quality of Fruits and Vegetables

Message from the Guest Editors

Fruits and vegetables are important sources of human nutrition. However, they also have to be attractive to consumers without any morphological disorders, with high commercial and nutritive value, and exceptional properties concerning their shelf and storage life. Biometric characteristics (weight, size, shape, etc.), taste, aroma, nutritious factors (vitamins, minerals, sugars, etc.), bioactive compounds (phenolics and other compounds or phytochemicals), and others are included in quality parameters and traits and can be affected by a plethora of factors. Genetic and environmental factors, cultivation techniques and treatments, pre- and post-harvest applications, and storage conditions are some of these factors which can change the physiological and biochemical status and trigger endogenous changes affecting the quality of fruits and vegetables. This Special Issue aims to present the physiological and biochemical changes and the effects of factors related to fruit and vegetable quality parameters and traits. Contributions related to the extended topic of “Physiology and Biochemistry in Relation to Fruit and Vegetable Quality” are welcomed.

Guest Editors

Dr. Athanasios Tsafouros

Dr. Nikoleta Kleio Denaxa

Prof. Dr. Costas Delis

Deadline for manuscript submissions

closed (31 December 2023)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/105230

Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)



About the Journal

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
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, Lecce, Italy

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 - Q1 (Horticulture)