

Special Issue

Phytochemical Compounds and Antioxidant Properties of Horticultural Plants

Message from the Guest Editors

Fruits, vegetables, medicinal and aromatic plants, spices and wild edible plants are consumed fresh and processed, and are known to be among the most important sources of many nutritional and health-promoting compounds. Phytochemicals are commonly classified as flavonoids (anthocyanins, flavanols, flavonols, proanthocyanidins or flavones, nonhydrolyzable tannins, isoflavones and flavanones) and nonflavonoids (hydroxycinnamic, hydroxybenzoic acid, hydrolyzable tannins, benzoic acids and stilbenes). Sugars, acids and polysaccharides are an important source of phytochemicals, secondary metabolites of plants also known for their antioxidant activity and other properties. These plants have a special phytochemical group (phytoalexins), which protects plants from environmental stresses such as abiotic ones, pollution or pathogens. A great number of phytochemicals, including some vitamins, flavonoids, terpenoids, carotenoids, phenolics, phytoestrogens, minerals and antioxidants in found in plant materials, are used as alternative preservative agents for controlling postharvest deceases in fresh fruit and vegetables.

Guest Editors

Dr. Zoran S. Ilic

Prof. Dr. Jelena Popović-Djordjević

Dr. Ljiljana P. Stanojević

Deadline for manuscript submissions

closed (10 May 2023)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/137428

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)