



Plant Extracts – Importance in Sustainable Horticulture

Guest Editors:

Dr. Mayya P. Razgonova

N.I. Vavilov All-Russian Institute
of Plant Genetic Resources,
Saint-Petersburg 190000, Russia

Prof. Dr. Kirill Golokhvast

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editors

Plant extracts, for the most part, are compound extracts of the polyphenol group, most widely represented by flavonoids. Laboratories worldwide have developed many modern types of extraction methods, one of the most gentle and green methods of plant and food matrix extraction at present being supercritical CO₂ extraction. Flavonoids are most commonly found in fruits, herbs, stems, cereals, nuts, vegetables, flowers and seeds. The presence of bioactive phytochemical constituents in these different plants grants them medicinal value and biological activity. Flavonoids have been used in natural dyes, cosmetics, skin care products and antiwrinkle skin agents, with the most pronounced application of these polyphenols, however, being in the field of medicine. Flavonoids have been used extensively as anticancer, antimicrobial, antiviral, antiangiogenic, antioxidant, neuroprotective, antitumor and antiproliferative agents, also capable of preventing cardiometabolic disorders and displaying a better preservation of cognitive performance with aging. Researches related to the above topics are welcomed.





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