

Topical Collection

Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Green, Red and Flowering Plants-Volume II

Message from the Collection Editor

Plants, including vegetables, are an essential element of the human diet, considering their dense nutritional content, concomitant with low-calorie values and bioactive content that could assist in boosting nutritional quality and food security. Plants synthesize uncountable “ecochemicals” via secondary metabolism, which command medical and socio-economic significance. Among these secondary metabolites, phenolic compounds are of prime interest and are largely present in medicinal plants, herbs, vegetables, and flowers. These metabolites are at the helm of the bitterness, color, and scent of plants, and are correlated to the beneficial health qualities expressed by the antioxidant capacity. The accretion of these health-promoting phytochemicals depends chiefly on the genetic material and the maturity harvest stage, but notwithstanding the main role that is played by the pre-harvest factors, i.e., eustress, fertilization, irrigation, light, and other agronomic practices.

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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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