

Special Issue

Nutrition, Phytochemistry, Bioactivity of Fresh-Consumed Vegetables

Message from the Guest Editors

In both plants and humans, these molecules detoxify reactive oxygen species (ROS), and the intensity of ROS damage mainly depends on the functionality of the antioxidant scavenging system. Plants synthesize bioactive compounds as a defense mechanism against biotic or abiotic stress. Thus, postharvest treatments that emulate such stress conditions can be used to stimulate the accumulation of these compounds in fresh fruits and vegetables. On the other hand, plant food preparation and processing often induce the degradation of bioactive molecules, thus reducing their amount in fresh-consumed vegetables. The purpose of the Special Issue on “Nutrition, Phytochemistry, Bioactivity of Fresh-Consumed Vegetables” is to present new approaches in the retention of bioactivity content in plant food as a tool to prevent human oxidative stresses. Moreover, studies addressing new food processing strategies to enhance both the bioaccessibility and the bioavailability of bioactive compounds in plant-based food are also accepted. Original papers, reviews, opinions, and perspectives about these topics are welcome.

Guest Editors

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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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