Special Issue

Advances in Chemical Composition and Bioactivity of Horticultural Natural Products

Message from the Guest Editor

Natural phytochemicals, such as the secondary metabolites phenols, polyphenols, terpenes, and alkaloids, and their associated biological activities, including antioxidant, antimicrobial, antifungal, insecticidal, can impart predator deterrents, and defensive roles for plants, and subsequently phytochemicals have potential applications in agriculture, food industry, medicine, and healthcare. Edible fruits, vegetables, and herbs are safe, non-toxic sources of bioactive molecules. However, considering the enormous biodiversity of plants and the scarcity of research on many traditional and wild horticultural crops in terms of their bioactive compounds, further research in this field is needed. Considering the growing trend of consumer interest in 'green', eco-friendly chemicals and phytochemical-rich nutritional diets with health benefits such as reducing oxidative stress, this Special Issue aims to highlight recent developments in natural plant product research with respect to the chemical composition and biological activities of phytochemicals present in a diverse range of fruits, vegetables, and herbs.

Guest Editor

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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

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