



Plant Extracts – Importance in Sustainable Horticulture

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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.





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Message from the Editor-in-Chief

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