

Special Issue

Characterization of Bioactive Compounds and Antioxidant Activity of Medicinal Plants

Message from the Guest Editor

Antioxidants are commonly used to inhibit, prevent, or delay deterioration due to oxidation. They can act to reduce free radicals as a primary antioxidant or through a mechanism that does not directly reduce free radicals, such as a secondary antioxidant. Due to the current trend of increasing consumer demand for natural products created by growing concerns about health, it is necessary to study the use of condiments and aromatic herbs as natural antioxidants to replace the widely used conventional BHA and BHT. Free radicals, i.e., tiny molecules with unpaired free electrons, are mainly produced during physiological metabolism and pathological processes. They perform essential biological functions, such as defense against aggression, metabolism, energy production, fertilization, and gene activation. Therefore, considering the importance and antioxidant properties, this particular issue, titled "Characterization of Bioactive Compounds and Antioxidant Activity of Medicinal Plants," aims to present studies that report the chemical characterization of botanical species and their antioxidative potential and isolation of molecules with antioxidant properties.

Guest Editor

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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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Technologies (DiSTeBA), Salento University, Lecce, Italy

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