

Special Issue

Phytochemical Analyses of Secondary Metabolites of Aromatic, Medicinal and Food Plants

Message from the Guest Editors

Plant secondary metabolites (PSMs) are small organic molecules characterized by different molecular structures and several biological functions. Aromatic, medicinal, and food plants are historically known as pivotal sources of PSMs, and are currently exploited as drugs, perfumes and fragrances, natural dyes, spice and food flavoring, food preservatives, and natural ingredient in cosmetics or food supplements. Today, there is a growing focus on green and innovative methods for extracting metabolites, high-performance identification technologies for PSMs in plants, and determining how they can be externally induced for various purposes, as well as identifying their volatile organic compounds (VOCs) profile, chemotaxonomy, functional foods, and metabolomics. This Special Issue will cover research on the phytochemical composition of cultivated and wild aromatic, medicinal, and food plants, with an emphasis on their aromatic profile and phytonutritional content. Papers concerning innovative extraction, isolation, and identification methodologies, PSMs' bioactive properties, and industrial uses are also welcome.

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Deadline for manuscript submissions

closed (31 August 2024)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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