

Special Issue

Isolation and Structure Elucidation of Plant Bioactive Compounds

Message from the Guest Editors

Plants are undoubtedly the most well-known sources of bioactive compounds, possessing both nutritional value and pharmacological properties. For centuries, plants and their mixture have been used medicinally by traditional communities for the treatment of several state of health, including anti-inflammatory, antimicrobial, antifungal, antitumor and antioxidant properties. This Special Issue intends to explore the latest finding in structural elucidation and investigation of the molecular mode of action of new and known plant-derived compounds, with interesting pharmacological activities. Particular attention will be given to environmentally friendly technologies, such as “green” extraction techniques and analytical methodologies, together to in vitro assays and/or in vivo studies to assess the bioactivity and safety of isolated compounds. The aim of this Issue is to highlight the function, evolution and diversity of plant metabolites and their role in the beneficial effects of plants as therapeutic tool.

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Deadline for manuscript submissions

closed (28 February 2025)



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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