

Special Issue

Plant Natural Products: Extraction, Isolation, and Biological Properties

Message from the Guest Editor

The Special Issue seeks to attract contributions that comprehensively address plant natural products—covering the extraction, isolation, and biological properties of alkaloids, flavonoids, terpenoids, and phenolics—which play critical roles in plant defense, ecological interactions, and offer significant potential for human health applications. Current challenges in this field include the complexity of plant matrices, the need for sensitive and selective analytical methods, and gaps in understanding the mechanisms underlying biological activities. We welcome papers dealing with innovative methodologies, including advanced extraction techniques, hyphenated analytical tools like LC-SPE-NMR, and metabolomics approaches that enable the discovery and structural elucidation of novel compounds. Manuscripts on the chemical modification of known plant metabolites to produce new bioactive derivatives are encouraged, as are studies investigating the biological effects of complex extracts, mixtures, or essential oils, when supported by thorough chemical characterization.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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