# Special Issue

# Chemical Composition and Biological Activity of Plant Secondary Metabolites

# Message from the Guest Editor

Natural compounds continue to play a pivotal role and serve as a source of inspiration for the development of novel drugs. Thus, natural products derived from plants and marine organisms have been extensively explored and studied for their therapeutic potential. The composition of natural products is rich and complex, consisting of compounds from various chemical classes, including low-molecular-weight volatile and semi-volatile compounds, as well as polar molecules that can modulate biological actions. Secondary metabolites show diverse pharmacological effects, such as antioxidant, anti-inflammatory, anti-tumor, anticancer, and cardiovascular effects. In this context, it is crucial to conduct suitable chemical characterization in order to identify and characterize the molecules potentially responsible for these effects. This Special Issue aims to gather scientific papers on the pharmacological properties and chemical components of natural products. Therefore, we invite papers that discuss biological assays used to assess potential activities and investigative techniques for characterizing the chemical components of natural products.

# **Guest Editor**

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## Deadline for manuscript submissions

closed (31 July 2025)



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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, 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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