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Bioactive Compounds in Plants

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Message from the Collection Editors

The journal *Plants* will jointly be publishing a Topical Collection on bioactive compounds in plants. Plant secondary metabolites are receiving ever-increasing attention due to their several health properties for a multitude of applications, not only for more common uses such as those in the pharmaceutical, cosmetic, and food industries, but also as new sources of eco-friendly biopesticides. Plant secondary metabolites play an important role as defense mechanisms in response to pathogenic organisms and predatory herbivores, and may also act as herbicides by inhibiting the growth of competing plants.

This Topical Collection will focus on a multidisciplinary approach to the study of plant secondary metabolites, including micro-morphological and histochemical studies aiming to identify and characterize the site of secretion and storage of bioactive compounds in plant tissues. Moreover, extraction and chemical characterization, as well as biological properties by in vitro cell-free and cell-based assays, of phytocomplexes or their isolated bioactive compounds, will be welcome.



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Topical Collection



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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.

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