

Special Issue

Phytochemistry and Systematics of the Asteraceae

Message from the Guest Editors

Asteraceae, as one of the largest, natural families, has been researched for centuries. Due to the family's great diversity, Asteraceae species can be used as an excellent source of different phytochemicals—specialized metabolites. Many investigations currently ongoing are focusing on the exploration of Asteraceae phytochemistry for potentially developing a chromatographic isolation of novel phytochemicals—specialized metabolites—used in systematics (chemophenetics) and which can improve functional food properties or can be used as a source in drug development for pharmaceutical industry. Many sesquiterpene lactones and flavonoids, and even essential oils or volatile organic compounds, have shed light on various taxonomic problems within the Asteraceae family. The systematics of Asteraceae as an extraordinary family of flowering plants and their phytochemistry almost always represent a challenge even in the new molecular era. In that sense, in this Special Issue, authors are invited to contribute research investigating the novel detailed cross-section of the current status of the systematics and phytochemistry of Asteraceae grown worldwide.

Guest Editors

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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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