



Plant-Herbivore Interactions: Insights from Chemical Ecology and Chemodiversity

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Message from the Guest Editors

Chemically mediated interactions between plants and herbivores are known as key drivers of ecological and evolutionary processes in terrestrial, marine, and freshwater ecosystems. Herbivores, faced with resources with different nutritional characteristics and palatability, have developed several adaptations that drive plants concomitantly, and consequently, to produce secondary metabolites (SMs), with different patterns of diversification (chemodiversity), forming the basis for chemical ecology. The specific mechanisms through which trophic relations contribute to the diversification of SMs, and ultimately to the maintenance of biodiversity in the environment, as well as their role in structuring biological communities are still to be explored.

We are excited to create this Special Issue that covers plant-herbivore chemical interaction in aquatic and terrestrial environments at different scales of chemodiversity in the journal *Plants*. This Special Edition aims to collect high-quality manuscripts on different aspects involving chemically mediated plant-herbivore interactions.





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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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