Special Issue

Advances in Weed Control and Management

Message from the Guest Editor

Natural products, particularly plant-derived secondary metabolites, have received increased attention as promising sources of herbicidal agents. These compounds often exhibit high biological activity and structural diversity, making them attractive candidates for the development of environmentally benian herbicides. Moreover, the exploration of synthetic analogues of these natural scaffolds allows for the finetuning of their efficacy, stability, and selectivity. Advances in phytochemistry, molecular biology, and mode-of-action studies have facilitated a deeper understanding of how these compounds exert their phytotoxic effects. Together, these efforts contribute to the discovery and rational design of novel herbicidal agents that align with current demands for agricultural sustainability and reduced environmental risk.

Guest Editor

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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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