Special Issue

Specialized Metabolites in Plants and Their Regulation Role in Plant Growth and Stress Responses

Message from the Guest Editor

Plant specialized metabolites function in diverse ways within the ecological biochemistry of plants, particularly in regard to their interactions with their environment and other organisms. Tannins, for example, are often considered for their anti-herbivory role, but their role in soil microbiome dynamics is now actively being investigated. Stilbenes such as resveratrol possess antioxidant properties, but also show anti-fungal action in experimental trials. The structural diversity of plant specialized metabolites suggests evolutionary adaptation to many unique niches where a specialized ecological biochemical interaction has evolved. This Special Issue welcomes papers or reviews exploring the unique biochemistry of plant specialized metabolites, especially adaptations to unique biotic or abiotic natural scenarios.

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.

Editor-in-Chief

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