



Terpenes and Terpenoids in Plants: From Biosynthesis and Structural Identification to Ecological Functions and Biotechnological Applications

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Message from the Guest Editors

Dear Colleagues,

Terpenes, also known as terpenoids or isoprenoids, constitute a major class of metabolites, with a remarkable diversity in both structure and function. They are made of isoprene molecules (five carbon building blocks).

This Special Issue will focus on the recent advances in plant terpenes and terpenoids and is dedicated to all disciplinary fields related to this class of plant specialized metabolites. Particular attention will be given to the recent discoveries regarding: (i) the identification, as well as the molecular and biochemical mechanisms underlying the biosynthetic pathways of plant terpenes and terpenoids; (ii) the separation, isolation, and production of these compounds using green and innovative bioprocesses; and (iii) the unraveling of their roles in plant–environment interactions, including plant responses to biotic (pathogens, beneficial microbes, microbiome, insects, herbivores, neighboring plants, etc.) and abiotic (drought, temperature, soil chemistry, etc.) factors.

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Message from the Editor-in-Chief

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