

Special Issue

Plant Biotechnology Applications in Secondary Metabolite Production

Message from the Guest Editor

Plants cells are incredible sources of small molecules, named secondary/specialized metabolites, usually classified according to their chemical structure in different groups, including phenolic compounds, organic acids, glucosinolates, cyanogenic glucosides, amines, non-protein amino acids, peptides, alkaloids, and terpenes. Many secondary metabolites are commercially interesting, and they are currently exploited in several fields, such as in the production of ordinary food, novel food, cosmetics, agrochemicals, fine chemicals, biopharmaceuticals, and nutraceuticals.

This Special Issue of *Plants* focuses on plant secondary metabolites and the use of plant biotechnology applications related to the production of molecules of interests.

In this sense, reviews and research papers or short communications on topics related to the investigations and characterizations of the secondary metabolome of whole plants (plant organs and tissues), new plant varieties, poorly investigated plant species, in vitro plant tissue cultures, and in vitro plant cell cultures are welcome, as well as strategies to improve the accumulation of metabolites of interests.

Guest Editor

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Deadline for manuscript submissions

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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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