

## Special Issue

# Secondary Metabolism in Plants and Plant Cells

### Message from the Guest Editors

Current technologies allow broader, more detailed, and more rapid studies of phytochemistry through novel functional genomics tools, but there is a long way ahead with a huge diversity of plants. To date, only a few hundred whole genome sequences of vascular plant species have been published, covering less than a 0.5 percent of total plant species. As the costs of genome sequencing are coming down, the major bottlenecks in plant genome studies are still in data processing, assembly, and annotation. The question is, how can one further apply this knowledge to biotechnology? In this Special Issue, we welcome original research papers, methods, reviews, and perspectives related to plant secondary metabolism in general, and particularly covering the topics of:

- Secondary metabolite biosynthesis;
- Biotechnological and industrial production of secondary metabolites;
- Secondary compounds in biotransformation and phytotransformation;
- Plant functional genomics, transcriptomics, proteomics, metabolomics;
- Combinatorial biochemistry for plant secondary metabolite production.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2022)



## Plants

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## About the Journal

### 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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### Editor-in-Chief

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