

## Special Issue

# Strategies for Enhancing the Production of Secondary Metabolites in Plants

### Message from the Guest Editor

Plant secondary metabolites are small molecules produced by plants and are crucial in processes associated with plant fitness, such as adaptation to changing environments and abiotic stresses, and the defense against pathogens, herbivores, and neighboring plants. Elicitation is another important strategy based on the application to plants of physical factors or certain chemical compounds that induce physiological changes and stimulate defense or stress-induced responses in plants, including the biosynthesis of secondary metabolites. In this context, the purpose of this Special Issue is to collect the most advanced research regarding the manipulation of the biosynthesis and accumulation of secondary metabolites in plants. The information provided here will be useful for the development of effective tools that will help in better meeting the market needs for bioactive-based products and in increasing the role of these metabolites in plant growth and defense.

### Guest Editor

Dr. Daniela Trono

Research Centre for Cereal and Industrial Crops, Council for Agricultural Research and Economics, Foggia, Italy

### Deadline for manuscript submissions

closed (30 June 2025)



## Plants

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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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### Editor-in-Chief

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