



Recent Advances and Perspectives in Engineering Plant-Derived Metabolism

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Message from the Guest Editors

Plant plasticity is a plant's ability to adapt to and cope with a changing environment. This capability is mostly due to the biosynthesis of an incredible array of structurally complex, bioactive natural compounds that guarantee growth and survival. These molecules are also a source of food and feed, commodity products, and pharmaceuticals, therefore also facilitating human survival and wellbeing. Understanding the biosynthesis, regulation, and evolution of these biomolecules in plants is of great importance for increasing crop yield and quality, and enhancing the application of plant-derived compounds in several fields. This Special Issue aims to publish contributions on plant metabolism discovery, plant and microorganism engineering, and novel applications of plant compounds.

Keywords:

- metabolic engineering
- plant biotechnology
- specialized metabolites
- biosynthetic pathways
- phytochemicals
- human and animal health
- novel commodities





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Message from the Editor-in-Chief

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