

Special Issue

Advanced Research of Plant Secondary Metabolism

Message from the Guest Editor

Secondary metabolism allows plants to produce secondary metabolites with a broad range of bioactivities, including regulatory functions, signaling, defense, as well as acting as precursors for primary metabolites. Interestingly, the secondary metabolites produced are extremely diverse in terms of their chemical structures, and many are often lineage specific since plants have adapted to environmental niches during evolution. In addition to fulfilling physiological needs of plants, the secondary metabolites have been used for treating different human diseases and have also been exploited for ecological and ornamental purposes. This Special Issue focuses on all the aspects in the field of research of plant secondary metabolites, the analysis of the natural diversity of secondary metabolites, the elucidation of pathways and regulatory mechanism, to finally enable the metabolic engineering of these beneficial compounds and the further manipulation as encapsulation for further applications.

Guest Editor

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