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# **Regulation and Application of Bioactive Metabolites in Plants**

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## **Message from the Guest Editors**

Dear Colleagues,

The value of medicinal plants mainly comes from the secondary or primary metabolites they produce. Analyzing the mechanism of the interaction between metabolites accumulation of and environmental conditions for growth using molecular biology technology is an important research direction for solving the problem of medicinal plant cultivation. On the basis of genomics research, we are able to clone genes related to enzymes involved in secondary metabolic pathways, analyze the synthesis pathways of plant metabolites, and combine metabolic engineering technology to increase compound production. At the same time, molecular technology is used to analyze the pharmacological mechanisms of these compounds, which is of great significance for enhancing the medicinal value of medicinal plants and promoting their application in the pharmaceutical industry.

This Special Issue includes, but is not limited to, the following topics:

- 1. Genes related to biosynthesis;
- 2. Metabolic pathways;
- 3. Regulation of secondary metabolites;
- 4. Pharmacological mechanism of compounds.













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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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