

Special Issue

Regulation and Application of Bioactive Metabolites in Plants

Message from the Guest Editors

The value of medicinal plants mainly comes from the secondary or primary metabolites they produce. Analyzing the mechanism of the interaction between the accumulation of metabolites 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:

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

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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