

Special Issue

Molecular Genetics and Multi-omics in Medicinal Plants

Message from the Guest Editors

Medicinal plants are essential for human health around the world as they contain secondary metabolites. As a staple pharmaceutical source, medicinal plants play an important role in the prevention and treatment of various diseases due to the diversity of secondary metabolites. However, research on the biosynthetic mechanisms of special components in medicinal plants is insufficient, and the development and utilization of genetic germplasm resources of medicinal plants lag behind those of crops due to their short breeding history. The development of high-throughput sequencing has promoted the application of multiple omics such as genomics, transcriptomics, metabolomics, proteomics, and methylomics in medicinal plants. This helps us to clarify the genetic characteristics, and reveal the regulatory mechanisms of special metabolites in medicinal plants. This Special Issue aims to feature cutting-edge research on molecular genetics and multi-omics of medicinal plants. We invite researchers to contribute their original research articles, reviews, and perspectives to this Special Issue.

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Deadline for manuscript submissions

closed (25 November 2024)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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