

Special Issue

Transcriptome Analysis and Gene Regulation in Plant Growth Development

Message from the Guest Editors

Transcriptome sequencing has become more and more important in order to understand biological phenomena, and provides a vital insight for understanding gene regulatory mechanisms in the process of plant growth development. Therefore, it is a hot topic for many plant biologists on how to efficiently explore the information underlying the transcriptome sequencing to understand the gene regulatory mechanism for the phenomenon. In addition, an integrated multi-omics framework based on transcriptome has provided insight into the gene regulatory mechanism of plant growth development, especially in some non-model plants. The importance of new mathematical and statistical methods for transcriptome analysis will also help us better understand the hidden secrets of plant growth and development. This Special Issue of *Plants* will highlight the new tools, methods, strategies, and perspectives of transcriptome analysis and their role in explaining gene regulatory networks.

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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