

Special Issue

Epigenetic Control Mechanisms and Transcriptional Reprogramming in Plants

Message from the Guest Editor

Reprogramming gene expression enables plants to undertake major developmental steps and to respond to environmental threats. The central motor of this process is a coordinated, fine-tuned reorientation of expression of genes, preparing the cells for new tasks. We know that the network-like structured action of transcription factors downstream of different signal pathways plays a central role in this process. Rather recently, it became obvious that upstream of transcription factors there is an epigenetic control level, regulating reprogramming of gene expression via histone modifications and DNA methylation. This Special Issue of *Plants* will bring together work on epigenetic mechanisms, controlling major developmental steps or stress responses in plants, with interconnected regulatory levels of gene expression via trans-acting factors.

Guest Editor

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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, and 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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