# **Special Issue**

# Transcriptional Regulation in Plants: From Basic to Applied Research

### Message from the Guest Editors

Transcriptional regulation governs plant development in response to endogenous and environmental stimuli. Plants evolved several mechanisms to finely orchestrate their genes' expression in order to adapt their growth to specific environments. The importance of correct transcriptional regulation is intuitive—particularly in plants, in relation to their sessile way of life. This is particularly crucial now, as many ecosystems are subjected to rapid and unpredictable changes causing uncountable damages to local economies. This Special Issue aims to link the advances of basic research in the transcriptional regulation in model species, particularly those in response to abiotic and biotic stresses, with translational applications to crops and forestry. The topics should address, but are not limited to, different aspects of transcriptional regulation related to abiotic and biotic stresses, such as:

- Gene expression and its regulation:
- Genome-wide investigation of DNA-binding proteins and their role in transcription;
- Transcriptomics:
- Post-transcriptional regulation;
- Systems biology;
- Model plants and economically relevant species.

#### **Guest Editors**

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## Deadline for manuscript submissions

closed (10 September 2022)



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# **About the Journal**

## 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.

### Editor-in-Chief

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