

## Special Issue

# Omics Study to Uncover Signalling and Gene Regulation in Plants

### Message from the Guest Editors

To ensure survival and reproductive success, plants have evolved the ability to percept multiple stimuli and transmit this information into appropriate responses. This is achieved by coordinated action of signaling cascades and communication networks that broadcast signals throughout the plant body to orchestrate the expression of genes controlling plant physiology and development.

Omics studies are at the cornerstone of deciphering of signaling and communication networks in plants. These studies are based on a plethora of technologies including DNA sequencing and genotyping, transcriptome, epigenome, proteome and metabolome analysis. Recent advances in the integration of different omics technologies has led to a greater understanding of the functional consequences of signalling and gene regulation in plants.

This Special Issue aims to present the latest research in application of omics technologies and statistical and bioinformatic approaches to decipher signalling, gene regulation, and systemic communication pathways in plants. Both original research articles and comprehensive reviews are welcomed.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 November 2022)



## International Journal of Molecular Sciences

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The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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