

## Special Issue

# Phylogenetics of Stress Regulators in Plants

### Message from the Guest Editors

Multiple layers of molecular regulators that play a role in plant tolerance to environmental stresses have been revealed in model plants and some crops. For example, stress-responsive transcriptional factors (transcriptional regulators), writers, readers, and erasers of RNA modifications (post-transcriptional regulators), proteins involved in phosphorylation and autophagy (post-translational regulators) and metabolic enzymes function in plant resistance to abiotic and biotic stress. However, the phylogenetics of these stress regulators in crop species and horticultural plants, including vegetables, flowers, and trees, remain largely unexplored. Gene families undergo duplication or depletion among different species and evolve diverse molecular functions under environmental pressure. With the advance of high-throughput sequencing, many plant genomes have been assembled, and substantial transcriptome profiling has been performed in these plants under stress conditions. This information opens a window for us to identify and characterize gene families and their expression pattern response to stress.

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### Deadline for manuscript submissions

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