



Structural and Functional Genomics for Plant Development and Stress Tolerance

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Message from the Guest Editors

Various abiotic and biotic stresses can affect plant growth and development at physiological, biochemical, and molecular levels, including alterations in gene expression, accumulation of organic solutes, imbalance in phytohormones excretion, and inhibition of plant growth. A better understanding of structural and functional genomics in plants would help to design and create new plant varieties more efficiently and quickly, which can sustain their performance under different stress and climate change scenarios.

In this Special Issue, we aim to publish high-quality research articles and reviews on the understanding of gene expression in plants for their growth development and stress responses. If you have an interest, please feel free to contact SI editor liana.duan@mdpi.com

Keywords

- structural genomics
- gene expression
- functional validation
- plant development
- stress tolerance
- genetic engineering and gene editing
- crop productivity



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Special Issue



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Message from the Editor-in-Chief

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