



Horticultural Crop Improvement: A New Era for Plant Molecular Research

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Message from the Guest Editors

Dear Colleagues,

Molecular biology reveals the molecular basis of biological processes in cells, and it is essential for understanding the mechanisms of the execution and regulation of biological processes. Molecular biology technologies have been applied to a wide range of living organisms. However, knowledge about horticultural crops is relatively less available than that of model plants. Recent advances in molecular biology – represented by revolutionary biotechnologies such as plant genome editing and next-generation sequencing – provide unprecedented opportunities to gain insight into the less well studied horticultural crops.

For this Special Issue, we welcome any original research articles, reviews, short notes, or opinion articles that highlight applications of molecular biology, such as whole-genome resequencing, transcriptomics, proteomics, metabolomics, and genome editing, towards horticultural crop improvement. The topics include but are not limited to the studies of regulatory mechanisms of plant growth and development, as well as efforts to improve crop yield, quality, and resistance to abiotic stresses.

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Message from the Editor-in-Chief

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