

## Special Issue

# Horticultural Crop Improvement: A New Era for Plant Molecular Research

### Message from the Guest Editors

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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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2023)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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