

# Special Issue

## Molecular Biology of Plants

### Message from the Guest Editor

With the fast development of modern genomic and molecular technologies, targeted molecular breeding of both herbaceous and forestry species has become available. The mining of yield- and stress-resistance-related genes and their functional identification by using multi-omics, molecular, and transgenic strategies provides the basic scientific support for the clarification of the molecular mechanisms and genetic improvement. Examples of research topics that will be examined in this Special Issue include the following: application of next-generation sequencing for genetic improvement, multi-omics-based gene mining, novel approaches to germplasm utilization, mapping and cloning of genes, development of tools for marker-assisted selection, molecular basis of biotic and abiotic stress tolerance, metabolomes and stress tolerance, novel transgenic technologies, etc.

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### Guest Editor

Dr. Jun Ni

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### Deadline for manuscript submissions

31 December 2025



## Biology

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### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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### Editors-in-Chief

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