

Special Issue

Advances in Multi-Omics for Functional Genomics Studies and Molecular Breeding

Message from the Guest Editor

We are pleased to announce a Special Issue on 'Advances in multi-omics for functional genomics studies and molecular breeding application in non-model plant' that will be published in the Current Issue of Molecular Biology. This Special Issue aims to provide a comprehensive overview of recent advancements in the utilization of multi-omics in the non-model plant functional genomics, including the molecular mechanism of plant growth, development, secondary metabolism, responses to biotic and abiotic stresses, as well as interactions with pathogens or beneficial microorganisms. We also focus on applying these functional genes in various improvement research through molecular breeding. We encourage submissions from researchers across the globe who are currently employed in plant genomics and welcome contributions that reflect both fundamental and applied research. Therefore, this Special Issue seeks to publish high-quality articles, including original research, reviews and short communications.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPlus / SciFinder, FSTA, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.