

## Special Issue

# Research on Plant Genomics and Breeding

### Message from the Guest Editors

Over recent decades, crop breeding has greatly benefited from the knowledge of plant genomics and genetics, as well as the development of modern biotechnologies. It is imperative to explore the genetic basis and molecular mechanisms underlying various plant developmental and growth processes, as it underpins crop yield, grain quality, and stress adaptations. The goal of this Special Issue, “Research on Plant Genomics and Breeding”, in IJMS is to present an overview of the latest fundamental discoveries in the field of plant genomics, as well as the potential utilization of biotechnologies in crop genetic improvement. We welcome all types of submissions, including original research, reviews, methodologies, mini reviews, perspectives, and opinion articles in this field, including (but not limited to) research covering:

Genetic and functional characterization of genes regulating important plant development processes or agronomic traits;

Genetic improvement in crops using gene editing and other modern biotechnologies;

Discovery, characterization, and application of germplasm resources with elite traits.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 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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### Editor-in-Chief

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