



Research on Plant Genomics and Breeding

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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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Message from the Editor-in-Chief

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