Special Issue

Maize Molecular Genetics and Functional Genomics in 2024

Message from the Guest Editors

Along with the rapid progress of third-generation sequencing technology in maize genome research, maize functional genomics has significantly advanced in the last decade. An increasing number of functional genes are being applied in breeding programs, targeting the improvement in maize yield and quality. Therefore, exploring the function of novel loci and genes associated with economically important traits via genomics, genetics, and molecular biology approaches, which are subsequently applied to breeding elite varieties, is an important task for maize scientists.

In this Special Issue, we aim to publish high-quality research articles and reviews on all aspects of maize functional genomics, genetics, and breeding programs, including (but not limited to) genomic characterization, the genetic dissection of various traits (growth, development, abiotic stress, maize–pathogen interactions, etc.), gene cloning, and gene function study using genome editing and overexpression. New theories and technologies related to maize genetics and breeding are also within the scope of this issue.

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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