



genes



an Open Access Journal by MDPI

Maize Molecular Genetics and Functional Genomics in 2024

Guest Editors:

Prof. Dr. Xiquan Gao

State Key Laboratory of Crop
Genetics & Germplasm
Enhancement and Utilization,
College of Agriculture, Nanjing
Agricultural University, Nanjing
210095, China

Dr. Qing Wang

State Key Laboratory of Crop
Genetics & Germplasm
Enhancement and Utilization,
College of Agriculture, Nanjing
Agricultural University, Nanjing
210095, China

Deadline for manuscript
submissions:

20 October 2024

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/201602

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics & Heredity*) / CiteScore - Q2 (*Genetics*)

Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)