

Special Issue

Genetics and Breeding of Rice (*Oryza sativa* L.)

Message from the Guest Editors

Rice is the primary calorie source for more than half of the world's population, thereby ensuring global food security. In addition to structural genomics, the progress on functional genomics has accelerated in recent times through the development of mutants, the mapping of QTLs and genes, transgenic development and genome editing. The information generated through genomics has been successfully utilized in developing new cultivars/genotypes through breeding and genome-editing approaches.

This Special Issue will cover the identification and characterization of genes/alleles/haplotypes through the sequencing and resequencing of rice germplasm, transcriptomics, bioinformatics, over-expression and knock-out/knockdown through genome-editing/RNAi approaches. All aspects of structural and functional genomics are within the scope of this Issue.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2023)

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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?

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