

Special Issue

Breeding and Genetics of Rice

Message from the Guest Editor

Rice feeds more than half of the world's population. There have been two major yield breakthroughs in rice breeding in history: the Green Revolution in the 1960s and hybrid technology in the 1970s. Since then, there has been no major breakthrough in rice yields. With the advancement of molecular biology research and the rapid development of biotechnology, modern biotechnology offers another possibility of breakthroughs in rice yield. The priority topics of this issue are the characterization and application of useful traits' genes or QLTs, such as yield potential and quality improvement, stress resistance, heading date, and so on. Creating new rice materials with high yield, high quality, multiple resistance, and wide adaptation using transgenic or gene editing techniques and studying these materials at the phenotypic, physiological, molecular, and genetic levels are welcomed. On the other hand, with the rapid development of the rice genome field, the analysis and application of genomics-based superior allelic variants are also welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2024)

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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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