

# 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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## Genes

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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