

## Special Issue

# Breakthroughs and Prospects of Rice Breeding

### Message from the Guest Editors

Rice (*Oryza sativa*) provides a staple food source for more than half the world population. Although modern genome technology, biotechnology, and information technology have greatly promoted the development of rice breeding, the current pace of rice breeding is insufficient to meet the food demand of the ever-increasing global population and the changing environments. The in-depth development and application of many omics technologies, including genomics, transcriptomics, metabonomics, proteomics, etc., have significantly promoted genetic analyses and functional gene mining of elite rice germplasm resources. Many genes/QTLs for yield, quality, resistance, and other important traits have been identified. This Special Issue will focus on “Breakthroughs and Prospects of Rice Breeding”. We seek original research articles and reviews covering all related topics, including detection of genes/QTLs with important breeding value, creation of new genetic variation through gene editing, development of breeding methods, and the successful practice of rice breeding.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2022)



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