

Special Issue

Research Advances in Rice: Molecular Genetics and Breeding

Message from the Guest Editors

Since the rice genome was fully sequenced two decades ago, significant progress has been made in the field of genetic and genomic research. This includes the genetic mapping of a vast number of genes/QTL that regulate numerous crucial features, as well as the cloning and characterization of more than 600 rice genes. While these developments have greatly increased our understanding of rice, there are still numerous obstacles to overcome before we can use this vast repository of genomic and genetic data to develop breeding techniques that are more productive and successful for further advancements in rice.

We welcome submissions of original research, systematic reviews, and review articles, including but not limited to the following topics:

New methods, tools, and databases to integrate omics data from different sources;

Genetic basis for plant complex traits by integrating genomics, genomics, epigenomics, transcriptomics, proteomics, metabolomics, microbiomics, and so on; High-quality assembly of *Oryza* genomes;

Physiological, biochemical, and metabolic studies that examine the impact of unfavorable abiotic stress on various attributes of plant survival mechanisms.

Guest Editors

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Deadline for manuscript submissions

closed (16 January 2023)



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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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