

# Special Issue

## Molecular Research in Rice

### Message from the Guest Editor

Rice (*Oryza sativa* L.) is a crop of global importance because provides sustenance to more than half of the world population. Since the global population is expected to reach 9 billion by 2050, increased rice production will have a significant positive impact on global food security. However, rice farming in many parts of the world is threatened by a number of biotic and abiotic stresses due to climate change. To design novel rice genotypes, it is imperative to devise novel approaches to exploit world germplasm, understand the molecular basis of yield and yield component traits, tolerance to various biotic and abiotic stresses, and development of molecular tools for transfer of desirable traits/genes. Contributions of both original research articles and reviews are welcome for this Special Issue on the following topics: novel approaches of germplasm utilization, application of next generation sequencing for rice improvement, mapping and cloning of genes and QTLs, development of tools for marker-assisted selection, molecular basis of biotic and abiotic stress tolerance, nutrient use efficiency, grain quality, and yield enhancing traits.

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### Guest Editor

Prof. Dr. Prasanta K. Subudhi

School of Plant, Environmental, and Soil Sciences, Louisiana State University, Baton Rouge, LA 70803, USA

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### Deadline for manuscript submissions

closed (28 February 2023)



## International Journal of Molecular Sciences

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## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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