

Special Issue

Advances in Biological Breeding and Molecular Biology of Tropical Crops

Message from the Guest Editor

In recent years, with the rapid application of omics technologies, such as genomics, research on the molecular biology of tropical crops has advanced significantly. An increasing number of researchers are focusing on the growth, development, and biological breeding of tropical crops. This Special Issue will highlight molecular-biology-related research on tropical crops, including genetic transformation, gene editing, biological breeding, quality formation, nutrient use efficiency, and responses to biotic and abiotic stresses, aiming to address the major industrial challenges faced by tropical-crop-producing countries. Topics include, but are not limited to, the establishment and optimization of genetic transformation and gene editing systems, gene discovery and functional characterization, population genetics, genomics, comparative and functional genomics, developmental biology, evolution, and multi-omics integration. We invite agronomists to contribute review and original research articles to this Special Issue, sharing their achievements in the fields of biological breeding and molecular research on tropical crops.

Guest Editor

Dr. Yongzan Wei

National Key Laboratory for Tropical Crop Breeding, Institute of Tropical Bioscience and Biotechnology, Chinese Academy of Tropical Agricultural Sciences, Haikou 571101, China

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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