## 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

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### Deadline for manuscript submissions

30 September 2025



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## Message from the Editor-in-Chief

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#### **Editor-in-Chief**

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