

Special Issue

Genetic Breeding and Germplasm Enhancement of Rice

Message from the Guest Editors

Rice is one of the main staple crops and provides food for half of the world population. Developing rice varieties with elite agronomic traits, including high yield, and good grain quality, resistance to biotic stresses and tolerance to abiotic stresses is the main goal of the rice industry. Genetic breeding and germplasm enhancement of rice are of great importance for us to reach this goal. For this purpose, we need to explore rice genetic resources, in order to characterize the genetic basis and elucidate the underlying mechanisms of important traits, and thereafter to improve germplasms and develop elite rice varieties. This Special Issue of *Plants* will highlight the exploration or creation of rice genetic resources, characterization and isolation of genes in the regulation of important agronomic traits, discovery of novel mechanisms in agricultural traits' development and enhancement of germplasms and genetic breeding.

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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