

Special Issue

Breeding and Genetics of Maize

Message from the Guest Editors

Maize is one of the most important cereal crops in the world. The germplasm resources of maize are rich. Maize breeding and genetic research are indispensable links in agricultural production which covers mining genetic resources, the functional analysis of key genes, genetic breeding methods, and technical system improvements including the traditional methods, such as selection, hybridization, germplasm improvement and other means to improve the traits of maize varieties, and the modern methods to make more direct modifications to maize genes through gene editing and transformation technologies to ameliorate maize varieties quickly and precisely without large-scale changes to the genetic genome. The methods and techniques of maize breeding research are constantly innovative which aim to explore more efficient and sustainable methods of maize breeding and genetic improvement and strive to develop more new varieties that are efficient, highly nutritious and adaptable to different climatic conditions. This Special Issue focuses on recent advances in the breeding and genetics of maize, inviting all types of articles, such as research papers and methods, reviews and opinions.

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