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Bioinformatics in Crop Genetics and Molecular Breeding

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Message from the Guest Editors

With the rapid increase in omics data and phenotypic data, applications of bioinformatics in fundamental research and crop breeding are much more popular than ever. Integration of omics data and phenomics data provides a promising foundation for exploring on a large scale the genetic basis, critical genes and regulatory network for important breeding traits. Artificial intelligence (AI) has also been widely applied in bioinformatics, genome selection breeding and molecular designing breeding. This Special Issue will highlight the methodologies of omics data mining, bioinformatics databases, crop breeding databases and AI-based breeding applications. Manuscripts regarding the biological issues addressed predominantly via bioinformatics methods are also welcome.



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Special Issue



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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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