

Special Issue

Plant Bioinformatics: Applications and Databases

Message from the Guest Editors

With the increase in large-scale omics data, the big data era for plant molecular biology has already begun. However, the utilization of such omics data is limited, and data mining is still a challenge for plant biologists who have limited experiences in bioinformatics. Thus, it is critical to establish the applications, local or online, and databases for plant biologists to increase data mining efficiency from big omics data. Although many plant databases and web applications have been established in recent years, they are still limited in number and usually not updated regularly, compared to databases and applications for humans and animals. Further, with the development of artificial intelligence (AI), AI techniques such as machine learning have been applied in bioinformatics predictions in plants.

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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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