Special Issue

Omics Approaches to Predict Physiological Traits of Plants under Abiotic Stress

Message from the Guest Editor

Omics technologies have taken on great relevance since sequencing platforms and other high-throughput technologies that generate massive information have become available to many researchers around the world, thus obtaining complete data on biological samples that allow them, with the support of the bioinformatics tools and the large databases currently published, to obtain information that contributes to systems biology, and with it, to understand the physiology of organisms. Plants, being sessile organisms, have to adapt to environmental conditions to survive and reproduce, and to do so they need to modify their physiology. By understanding the molecular and cellular mechanisms that contribute to these changes, these physiological traits can be predicted in order to contribute to better agronomic management and genetic improvement. This Special Issue plants give an overview of the most recent advances in the field of the multi-omics sciences that contribute to understanding the physiological traits of plants under abiotic stress.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

Plants

About the Journal

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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