

Special Issue

Applications and Challenges of ‘Omics’ Technologies for Generation of Climate-Resilient Crop Varieties

Message from the Guest Editors

‘Omics’ include a suite of technologies, viz. genomics, transcriptomics, metabolomics, proteomics and phenomics, the application of which is bringing about a revolution in crop and agricultural sciences. Omics technologies are leading to significant advances in our understanding of biological mechanisms underpinning stress tolerance and resilience in many crops. We aim to have a compilation of research articles where ‘omics’ technologies have been utilized to further deepen our understanding of the biological mechanisms underpinning stress resilience or for the genetic improvement of an important agronomic trait in crops. Review articles are also welcomed, highlighting the applications, challenges, and future perspectives of ‘omics’ technologies for crop improvement.

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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, and 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.

Editor-in-Chief

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