

Special Issue

Applied Molecular Biology and Biotechnology for Crop Improvement in Marginal Environments

Message from the Guest Editors

Applied molecular biology and biotechnology have the potential to yield a system-level perspective on plant biotic and abiotic stress response mechanisms through the characterization of stress-inducible genes, regulatory networks and biochemical pathways. The present Special Issue, “Applied Molecular Biology and Biotechnology for Crop Improvement in Marginal Environments”, addresses the progress made in molecular and biotechnological approaches with the aim of gathering the most recent scientific knowledge for their applications in growing crops on marginal affected lands. In this broad context, we invite investigators/researchers to submit original research articles, reviews and mini reviews, opinions, and perspectives on these thematic areas. The range of research topics may include, but are not limited to, molecular/conventional breeding, linkage mapping and GWAS, transgenesis, application of omics approaches, RNA-Seq, epigenetics and computational approaches for diversified crop production under abiotic stress and marginal land conditions.

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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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