Special Issue

Gene Expression and Molecular Effects in Plants under Abiotic Stress

Message from the Guest Editors

Plants are often challenged by abiotic stresses such as drought, salinity, high temperature and so on. The scope of the special issue is to summarize the knowledge in molecular mechanisms behind these abiotic stresses. Authors are invited to submit original research articles, communication papers, reviews papers, related to but not limited to the following suggested topics:

- Genes and gene network involved in abiotic stress responses.
- Transcriptomic or proteomic analysis to find out genes related to abiotic stress.
- Functional genomics in abiotic stress response.
- Genome wide identification of abiotic stress responsive gene families.
- Co-expression network analysis (WGCNA, clust and so on) to identify gene modules underlying abiotic stress response.
- Small RNAs in abiotic stress responses.
- GWAS to identify genetic factors associated with abiotic stresses.
- Epigenetic Mechanisms (DNA, histone, and RNA methylation) behind abiotic Stresses.

Guest Editors

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Deadline for manuscript submissions

closed (10 March 2024)



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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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