

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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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

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