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Gene Expression and Molecular Effects in Plants under Abiotic Stress

Guest Editors:

Dr. Harshraj Shinde
College of Agriculture, Food and Environment, University of Kentucky, Lexington, KY, USA

Dr. Ulhas Sopanrao Kadam
Plant Molecular Biology and Biotechnology Research Center (PMBBRC), Division of Life Science and Division of Applied Life Science (BK21 Four), Gyeongsang National University, Jinju-daero, Jinju, Gyeongnam, Republic of Korea

Deadline for manuscript submissions:
closed (10 March 2024)

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.

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Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

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Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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