Special Issue

Abiotic Stress Responses in Legumes: Physiological, Biochemical, and Molecular Perspectives

Message from the Guest Editor

Legume plants are susceptible to adverse environmental conditions, especially with the threatening scenarios of climate change. To cope with various abiotic constraints, legumes have evolved numerous sophisticated strategies at both morphological and physiological levels. Much progress has been made in understanding how environmental stresses have affected legumes' performance in recent years. With the advances in physiological methodology and molecular biotechnology, diverse arrays of biochemical, physiological, and molecular mechanisms underlying those adaptive strategies have been well studied in a broad range of plants, both model and crop species. Despite this, various plant response and adaptation facets still lack adequate attention. A highlighted awareness of such knowledge remains a key element in designing strategies to enhance the productivity of legume crops through genetic engineering for higher performance. In this Special Issue, original research papers and reviews, describing the current state of knowledge of research in acclimation of legumes to abiotic stresses, are welcome.

Guest Editor

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