Special Issue

Crop Plants Response to Abiotic Stresses

Message from the Guest Editor

Plants adapt to the environment by detecting changes in the external environment and activating appropriate biological defense mechanisms. Various external environmental factors can cause severe damage to plant cells and lead to plant death. In general, phosphate deficiency affects key functions of energy storage and transmission in plants. It particularly affects tillering, root development, early flowering and ripening. Basic and applied studies of high-affinity phosphate transporters, transcription factors, and kinases involved in phosphate-deficient signaling and regulation of phosphate uptake under phosphate-deficient conditions will provide valuable insights into low-input and sustainable crop production. This Special Issue includes studies involving molecular physiological and chemical analysis associated with phosphate uptake signal transduction and plant–environment interaction in response to various environmental stresses.

Guest Editor

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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.

Editor-in-Chief

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