Special Issue

Signaling-Mediated Plant Responses to Nutrient-Limited Stress

Message from the Guest Editors

Dear colleagues, Plants acquire mineral nutrients from the surrounding environment, predominantly through their root systems. The absorbed mineral nutrients are transported and distributed to various plant tissues/organs via vascular systems, for diverse biological processes. In modern agriculture, sufficient fertilizer input ensures sustainable yield potential. However, nutrient leaching from farmland can also lead to serious environmental pollution. To maintain an eco-friendly, sustainable agricultural system, it is crucial to understand the underlying mechanisms by which plants efficiently uptake and utilize mineral nutrients. In recent decades, significant research progress has been made in plant science to understand the sophisticated mineral nutrient-stress signaling pathways that regulate a series of molecular and cellular adaptive responses to environmental nutrient limits. In this Special Issue, we aim to discuss the recent findings and new discoveries relating signaling-mediated plant responses to nutrient-limited conditions. We hope to see your valuable work in this Special Issue.

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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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