

Special Issue

Enhancing Crop Productivity Through Plant-Microbe Interactions and Nutrient Management

Message from the Guest Editors

Plant-microbe interactions have long been recognized as a fundamental ecological mechanism driving the evolutionary success of land plants. Plant microbiomes possess a remarkable capacity to express functional traits that are decisive for the host's success, including phytohormone synthesis, nutrient mobilization, and pathogen suppression. Understanding crop nutritional requirements and toxicity thresholds is essential for economic efficiency and environmental stewardship, particularly in minimizing nitrate and phosphate leaching. This Special Issue of *Plants* aims to explore the synergy between microbial interactions and nutrient management as non-exclusive, allied strategies to reach unprecedented levels of agricultural productivity.

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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.

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