

Special Issue

Crop Fertilizer Management and Integrated Pathogen Management

Message from the Guest Editor

The special issue "Crop Fertilizer Management and Integrated Pathogen Management" in MDPI's *Plants* explores innovative strategies to optimize fertilizer use while mitigating pathogen risks in agricultural systems. Effective crop nutrition is essential for plant health; nevertheless, incorrect fertilizer application might raise disease susceptibility. This issue highlights the interactions between fertilization strategies and plant disease dynamics, emphasizing sustainable nutrient management approaches, bio-based fertilizers, precision agriculture, and their part in disease suppression. Integrated pathogen management (IPM) approaches, including disease-resistant cultivars, soil microbiome augmentation, and biological control, are also discussed. The goal is to provide insights into how balanced nutrient management can enhance crop resilience, reduce reliance on chemical pesticides, and support sustainable agriculture. Researchers are encouraged to contribute studies on innovative fertilizers, nutrient-pathogen interactions, and integrated disease control strategies to improve crop productivity and sustainability.

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, and 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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