

Special Issue

Fertilizer Management for Crop Resilience Under Abiotic Stress

Message from the Guest Editors

This Special Issue focuses on cutting-edge fertilizer management strategies that enhance crop resilience to abiotic stresses such as drought, salinity, extreme temperatures, and nutrient-deficient soils. As climate change intensifies these challenges globally, optimizing nutrient use efficiency becomes crucial for maintaining agricultural productivity and sustainability. We invite original research, comprehensive reviews, and insightful case studies exploring innovative fertilization approaches including bio-based fertilizers, micronutrient supplementation, controlled-release formulations, and integrated nutrient management systems. Contributions should investigate how these strategies mitigate stress impacts on crop physiology, yield stability, and produce quality at molecular, physiological, and field levels. In particular, we welcome interdisciplinary studies bridging agronomic practices with molecular mechanisms, socio-economic assessments, and environmentally sustainable solutions.

Guest Editors

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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.

Editor-in-Chief

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