

Special Issue

Water and Nutrient Management for Sustainable Crop Production

Message from the Guest Editors

Water and nutrient management play a fundamental role in ensuring sustainable agricultural production, particularly in the face of global challenges such as climate change, soil degradation, and increasing food demand. Excessive or inefficient use of water and fertilizers not only reduces crop productivity but also causes serious environmental problems, including soil salinization, groundwater contamination, and greenhouse gas emissions. Therefore, developing innovative strategies for the optimization of water and nutrient inputs has become essential in terms of promoting sustainable crop production. This Special Issue on “Water and Nutrient Management for Sustainable Crop Production” aims to provide a platform for original research and review articles that explore water-saving irrigation methods, nutrient use efficiency, soil–plant interactions, biofertilizers, precision agriculture technologies, and eco-friendly management approaches that enhance the yield and quality of crops while minimizing environmental risks.

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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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