

Special Issue

High-Standard Farmland: Innovations in Irrigation and Fertilization Technology

Message from the Guest Editors

High-standard farmland development is a novel focus in modern agriculture, aiming to enhance productivity, sustainability, and resource efficiency. Irrigation and fertilization have played a crucial role in increasing crop yields. The advancement of precision irrigation and smart fertilization technologies has significantly improved resource use efficiency, ensuring sustainable agricultural growth while minimizing environmental impacts.

This Special Issue focuses on the latest innovations in irrigation and fertilization technologies that contribute to high-standard farmland development. The goal is to highlight cutting-edge research that optimizes water and nutrient management, enhances soil health, and increases crop productivity through precision agriculture, smart sensors, and data-driven approaches. We invite submissions of original research articles, reviews, and case studies that address the following areas:

Novel irrigation and fertilization technologies;
Field trials and experimental studies on precision water and nutrient management;
Environmental and sustainability assessments of new technologies.

Guest Editors

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Editor-in-Chief

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