

Special Issue

Addressing Water Scarcity in Agriculture: Innovative Management Strategies for Sustainable Cropping Systems

Message from the Guest Editors

Water, an indispensable resource for agriculture, faces growing challenges from rising global demand and climate change. Ensuring food security for a growing population requires a shift in how we manage water in cropping systems. While modern agriculture pursues higher yields, water remains the foundation of all crop production—whether in soil-based systems, hydroponics, or other methods. This Special Issue invites cutting-edge research and reviews on addressing water scarcity in diverse agricultural landscapes. We welcome contributions on innovative irrigation, drought-resistant crops, water-efficient practices, and sustainable water policies. We aim to highlight research that integrates technology, ecological principles, and socio-economic factors to build resilient agricultural systems. Submissions of original research and comprehensive reviews that offer practical solutions and strategic insights are encouraged. Your contributions are vital as we work toward a water-secure agricultural future.

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