

Special Issue

Increasing Water Use Efficiency Under Climate Extremes

Message from the Guest Editors

This Special Issue invites original research, reviews, and case studies that present innovative, integrated strategies to enhance WUE across scales and farming systems. We welcome contributions that blend scientific rigor with practical relevance, including (but not limited to) the following:

- Dryland farming and crop-livestock integration;
- Water-efficient and climate-resilient crops;
- Soil and water management for improved retention and reduced erosion;
- Innovations in irrigation technologies and scheduling;
- Applications of biochar, polymers, and other soil amendments;
- Digital tools, modeling, and remote sensing for optimizing WUE;
- Socio-economic and policy approaches for equitable water use;
- Systems-based research linking agricultural components.

Our goal is to advance both the science and practice of WUE, helping shape a future where water is managed more efficiently, equitably, and sustainably under intensifying climate pressures.

We look forward to your valuable contributions.

Guest Editors

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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Editor-in-Chief

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