

Special Issue

Effect of Irrigation Management on Nursery Crop Production, Quality and Water Use

Message from the Guest Editors

The increasing frequency of extreme wet and dry events, coupled with increasingly frequent drought events, has threatened global water security. Innovative research that builds on traditional knowledge in areas such as plant growth and physiology, soil and substrate management, nutrient management, and beneficial organisms can offer solutions for optimizing irrigation. In addition, modern advancements in sensor technology, artificial intelligence, and machine learning offer promising tools for irrigation management. We invite both interdisciplinary research and review articles for submission to the Special Issue on "Effects of Irrigation Management on Nursery Crop Production and Water Use". Topics of interest include, but are not limited to, the following:

- Experimental studies in controlled, open, or semi-open environments on irrigation management;
- Techniques for reducing total water volume applied in nursery settings;
- The utilization of alternative water sources and/or water reuse strategies;
- Innovative approaches to conserving freshwater while enhancing crop quality;
- Impact assessments of irrigation practices on environmental sustainability.

Guest Editors

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Deadline for manuscript submissions

30 August 2025



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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

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