

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

Dr. Shital Poudyal
Dr. Catherine Simpson
Dr. Jacob Shreckhise

Deadline for manuscript submissions

closed (30 August 2025)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.8



mdpi.com/si/210703

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)