

# Special Issue

## Growth and Nutrient Management of Vegetables

### Message from the Guest Editors

Increasing crop yield while simultaneously reducing agriculture's environmental burdens is currently one of the main concerns of the scientific and public communities. However, intensive vegetable production is generally considered as a high-nutrient-input and high-environmental-risk system, which is mainly due to the low nutrient and water uptake efficiency associated with the shallow root systems of most vegetable species. Optimizing nutrient management practices for vegetable production is urgently needed to resolve the conflict between high yields and environmental risk.

The scope of this Special Issue includes, but is not limited to, the following topics: 1) nutrient demand characteristics of vegetables; 2) soil fertility and regulation strategies for vegetable fields; 3) optimal nutrient management practices to increase vegetable yield or quality; 4) optimal strategies to reduce the reactive N loss and environmental risk; and 5) vegetable growth models

---

### Guest Editors

Dr. Xiaozhong Wang

Dr. Baige Zhang

Dr. Bin Liang

---

### Deadline for manuscript submissions

closed (30 April 2023)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/137899](https://mdpi.com/si/137899)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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





# Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



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



## About the Journal

### 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.

*Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

---

### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,  
Charles Sturt University, Wagga Wagga, NSW 2678, 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), PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)