



## Soil Nutrient Cycling and Management of Agronomy

Guest Editors:

**Prof. Dr. Shiping Deng**

Department of Plant and Soil  
Sciences, Oklahoma State  
University, Stillwater, OK, USA

**Dr. Xiufen Li**

Department of Plant and  
Environmental Sciences, New  
Mexico State University, Las  
Cruces, NM, USA

Deadline for manuscript  
submissions:

**closed (5 March 2022)**

### Message from the Guest Editors

With a growing demand for food production to increase 50%–70% by 2050, sustainable food security has drawn increasing attention from researchers, decision-makers, and producers. Improving nutrient cycling and management of soil is a crucial battlefield. This Special Issue invites original research, review articles, and short communications to strengthen knowledge base and advance understanding of critical soil management issues in sustaining productivity while preserving environmental health. Topics include but are not limited to: 1) fertilizer practices, cropping systems, and soil management; 2) metabolic and genomic mechanisms of plant-microbe interactions; 3) modeling soil nutrient cycling and availability to facilitate intrinsic system based decision-making processes; and 4) innovative agronomic technologies, such as unmanned aerial vehicle (UAV), SMARTFARM, carbon farming, and precision agriculture.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,  
Water and Environment  
Research, Charles Sturt  
University, Wagga Wagga, NSW  
2678, Australia

## 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.

## 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, and other databases.

**Journal Rank:** JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

## Contact Us

---

*Agronomy* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agronomy  
agronomy@mdpi.com  
X@Agronomy\_Mdpi