

## Special Issue

# Improving Functioning of Soil-Plant Systems Using the Application of Sustainable and Intelligent Methods

### Message from the Guest Editors

This Special Issue invites original research, technology reports, modeling approaches and methods, and reviews on sustainable management and intelligence in soil-plant systems. The topics of interest include (but are not limited to):

- Sustainable management (e.g., optimized irrigation and fertilizer practices, cropping systems, and agronomic strategies) on the improvement of soil quality, plant growth, productivity, and tolerance to drought;
- Implications of intelligent methods (e.g., sensing techniques, multiple scales of phenotyping platforms) on soil and vegetation health monitoring;
- Interactions between agricultural water/fertilizer management and the environment;
- Interactions between soil and plant in contaminated soils;
- New biomaterials for improving water use efficiency in soil-plant systems;
- Applications of unsaturated soil concept in sustainable agriculture;
- Development of IoT-based devices and APPs for smart agriculture.

### Guest Editors

Dr. Xuguang Xing

Dr. Ankit Garg

Dr. Long Zhao

### Deadline for manuscript submissions

closed (20 May 2023)



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

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

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