



Agricultural Water Saving Technologies in Yield Enhancing

Guest Editors:

Dr. Bo Ming

Institute of Crop Sciences,
Chinese Academy of Agricultural
Sciences/Key Laboratory of Crop
Physiology and Ecology, Ministry
of Agriculture and Rural Affairs,
Beijing 100081, China

Dr. Shoubing Huang

College of Agronomy and
Biotechnology, China Agricultural
University, Beijing 100193, China

Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

With the population growth, the contradiction between the shortage of agricultural productive resources, such as agricultural land, water and fertilizer, and the increase in food demand has intensified. In the case of developing countries, effective supply of grain can be seen as a condition for survival. Therefore, how to use limited resources to produce more grain has become an important direction of sustainable development. In this context, it is particularly urgent to quantitatively reveal the coordination of processes increasing crop yield and water use efficiency by more efficient irrigation technology and management strategies, aiming to put forward ways to ensure food supply and agricultural sustainability. This Special Issue invites relevant results of field measurement, model simulation, and macro strategy research on the following topics:

- High yield strategies, practices, and techniques under water-saving irrigation technologies.
- Using agricultural water-saving technologies to facilitate further improvements in yield and water use efficiency.
- Assessment of regional climate and the development of efficient water-saving agriculture.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)