



Sustainable Development of Rice Cultivation and Soil Nutrient Management

Guest Editors:

Prof. Dr. Huizhe Chen

State Key Laboratory of Rice Biology, China National Rice Research Institute, Chinese Academy of Agricultural Sciences, Hangzhou 311400, China

Dr. Yikai Zhang

State Key Laboratory of Rice Biology, China National Rice Research Institute, Hangzhou, China

Deadline for manuscript submissions:

30 June 2024

Message from the Guest Editors

Rice is one of the most important food crops, and its planting area and total yield occupy an important position in global food production. To increase the yield of rice, it is necessary to increase the application of chemical fertilizers and pesticides. However, obtaining a high yield leads to low nutrient utilization efficiency and a large amount of residues in the soil, which directly causes serious problems such as soil degradation in agricultural ecosystems. Under the pressure of increasing population and decreasing cultivated land area, how to reduce soil nutrient residues, improve fertilizer use efficiency, effectively slow down soil degradation, improve soil and increase crop yield has become an urgent problem to be solved worldwide.

This Special Issue aims to publish comprehensive reviews and original research articles that cover the latest and novel discoveries related to the soil management and the sustainability of rice cultivation system.

Keywords

- rice cultivation
- sustainability
- management mode
- soil fertility
- abiotic stress
- crop productivity





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, 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), PubAg, AGRIS, and other databases.

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

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi