



## Assessing Climate Change Impacts and Adaptation Options for Crop and Food Systems

Guest Editors:

**Prof. Dr. Qingquan Chu**

College of Agronomy and  
Biotechnology, China Agricultural  
University, No. 2 Yuanmingyuan  
West Road, Beijing 100193, China

**Prof. Dr. Peng Sui**

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

Deadline for manuscript  
submissions:

**closed (25 April 2024)**

### Message from the Guest Editors

Climate change has caused substantial damages and increasingly irreversible losses in agro-ecological systems. In the agricultural system, how to coordinate the relationship between crop growth and the environment is important for the sustainable development of agriculture. At the same time, how to reduce the impact of climate change on agricultural production and make full use of the environmental changes caused by climate change is an important topic in current agricultural studies. In this context, it is necessary to promote understanding of the interactions between agriculture, ecosystems, environment, and climate change.

This Special Issue focuses on the changes in the ecological environment in the agricultural system, the response, and adaptation strategies of the agricultural system under the threat of climate change. Within this framework, studies concerning the farming system, assessment of the sustainability of agro-ecosystems, environmental impact assessment, crop growth and development under stress conditions, and the mitigation strategies of stress conditions are welcome, as are other related topics in the form of both specialized and interdisciplinary manuscripts.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Les Copeland

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## 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, RePEc, and other databases.

**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Plant Science*)

## Contact Us

---

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

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

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi