



Impacts of Climate Change and Extreme Events on Agricultural Production

Guest Editors:

Dr. Ning Yao

Dr. Jian Liu

Dr. Na Li

Dr. Olusola Olaitan Ayantobo

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

In the last 100 years, the Earth's climate has been experiencing a significant warming trend, and global surface temperature is on the rise. As the global temperature rises and the frequency of extreme events increases, climate change will have effects on the security of food, water, and ecology. Agricultural production is extremely dependent on climatic conditions, because photosynthetically active radiation, air temperature, and water are driving forces for crop growth.

This Special Issue aims to analyze the temporal and spatial patterns of climate change and extreme events. Research areas may include (but not limited to) the following:

1. Impact of climate change on agricultural production;
2. Effects of extreme temperature events on agricultural production;
3. Assessment of the impact of drought on crop production;
4. Crop model simulation under drought conditions;
5. Climate change adaptation measures.

We look forward to receiving your contributions.

Dr. Ning Yao

Dr. Jian Liu

Dr. Na Li

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

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

Contact Us

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

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

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