

## Special Issue

# Impacts of Climate Change and Extreme Events on Global Food Security

### Message from the Guest Editors

This Special Issue aims to delve into the complex interactions and feedback mechanisms between climate change, extreme weather and climate events, and global food security, with a particular focus on their multi-scale impacts and response pathways within the context of sustainable development. We welcome contributions that address, but are not limited to, the following:

- Attribution and impacts of extreme climate events and climate change;
- Climate tipping points and cascading risks to food systems;
- Compound extreme events and their impacts on agriculture and food security;
- Construction of food security evaluation indicator systems at different scales (global, regional, and national) under climate change, and multi-dimensional spatiotemporal evolution characteristics of food security;
- Impacts of climate change-driven food market fluctuations on socioeconomic vulnerability;
- Applications of big data and artificial intelligence in monitoring, assessing, and early warning of food security risks under climate change;
- Vulnerabilities in trade and supply chains for global food security;
- Comparative case studies on food security responses to climate change and extreme events.

---

### Guest Editors

Prof. Dr. Jieming Chou

Faculty of Geographical Science, Beijing Normal University, Beijing 100875, China

Dr. Yuan Xu

National Climate Center, China Meteorological Administration, Beijing 100081, China

---

### Deadline for manuscript submissions

30 September 2026



Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 8.9



[mdpi.com/si/255082](https://mdpi.com/si/255082)

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

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 8.9



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

---

### 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)