# **Special Issue**

# Effects and Atmospheric Processes of Disaster Weather in the Context of Global Climate Change, 2nd Edition

### Message from the Guest Editors

This Special Issue tries to partly address the issues discussed above, which will be useful complements to existing studies. The scope of this Special Issue includes, but is not limited to, the following relevant themes:

- Variational trends in extreme precipitation under global climate change and their underlying mechanisms;
- Variational trends in persistent heavy rainfall under global climate change and their possible mechanisms;
- Impacts of extreme weather and climate events and global change on the operation of renewable energy;
- Changes in renewable energy in the context of global climate change;
- Regional simulations of disaster weather in warm/cold seasons;
- Variational trends in high winds under global climate change and their associated mechanisms;
- Mesoscale vortex- or extratropical cyclone-associated disaster weather;
- Structural features and evolutions of the mesoscale convective systems that produce disaster weather;
- Changes in the environmental conditions of disaster weather under global climate change.

### **Guest Editors**

Prof. Dr. Shenming Fu

Dr. Yun Chen

Prof. Bo Wang

Dr. Liang Chen

### Deadline for manuscript submissions

31 March 2026



# Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/227197

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





## Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



## **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)

