

Special Issue

Impacts of Climate Change on the Water–Food–Energy Nexus

Message from the Guest Editors

In recent years, humans have relied on fossil fuels for their daily energy demand, leading to a significant increase in greenhouse gas emissions in the natural ecosystem. The increase in greenhouse gas emissions has substantially increased the surface temperature of Earth (global warming). This change in temperature is leading to inadequate rainfall and putting hydrological stress on water resources. Agriculture is the main source of income for many developing and developed countries, and it requires the largest quantity of freshwater resources. Increasing pressure on the water–food–energy nexus has impacts on human health and other living organisms. To reduce pressure on the three domains, scientists and researchers must focus on ecosystem protection, water resource management, and water supply and sanitation to meet the demand for energy and food. The Special Issue will focus on addressing the climate change's negative impacts on water, energy and food in various landforms such as hyper-arid, arid, and semi-arid regions.

Guest Editors

Dr. Balamurugan Panneerselvam

Department of Water resources, Faculty of Engineering, Chulalongkorn University, Bangkok 10330, Thailand

Dr. Nagavinothini Ravichandran

Center of Excellence in Interdisciplinary Research for Sustainable Development, Faculty of Engineering, Chulalongkorn University, Bangkok 10330, Thailand

Deadline for manuscript submissions

31 January 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/214503

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[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. *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.

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)