



## Water–Energy–Food: Water Efficient Utilization and Optimal Management Targeting at Water Adaptability Concept

Guest Editors:

**Prof. Dr. Yong Zhao**

**Dr. Xuerui Gao**

**Dr. Guohua He**

**Dr. Shuyu Zhang**

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

This is a call for papers for the Special Issue “Water–Energy–Food: Water Efficient Utilization and Optimal Management Targeting at Water Adaptability Concept”. The objectives of this Special Issue are to provide a scientific support for enhancing the resilience of the water–energy–food nexus in water-scarce areas and maintaining the sustainable and high-quality development of regional ecologies and economies. Potential topics for this Special Issue include, but are not limited to, the following:

- Current and future challenges of the water–energy–food nexus;
- Innovative methods for water footprint assessment of energy–food production and consumption;
- Virtual water flow embedded in the water–energy–food nexus;
- The influence of climate change and human activities on the water–energy–food nexus;
- Nexus research: concepts, techniques, models, and policies;
- Optimal structure of energy and food production based on water carrying capacity;
- Water allocation in the complex system of energy–food–ecosystem;
- Measures and strategies for common security of water, energy, food, and ecosystems.





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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)