

## Special Issue

# Water-Food-Energy Nexus for Sustainable Development

### Message from the Guest Editors

The water–food–energy nexus is essential for sustainable development. An increasing global population; industrialization; and fluctuations in economic growth have upset the security of all three of these vital domains of life. It is important to find a suitable balance or an integrated approach regarding these three critical domains to guarantee enough food and energy production without leading to water shortage worldwide.

The focus of this Special Issue is to publish original, in-depth research papers and short reviews addressing the recent progress in the area of the water–food–energy nexus for sustainable development using the biomaterials. The Special Issue will cover topics where fundamental research is being conducted on biomaterials, especially related to natural polymers and their nanoforms, applied to food-, water-, and energy-related areas.

Original research papers related to the above topics, comprising innovative methods, advanced structural characterization, practical solutions, and the current state of emerging technologies in the field, are highly encouraged.

---

### Guest Editors

Dr. Priyanka Sharma

Department of Chemical and Paper Engineering, Western Michigan University, Kalamazoo, MI 49008, USA

Dr. Sunil Kumar Sharma

Center in Integrated Electric Energy Systems (CIEES), Stony Brook University, Stony Brook, NY 11790-3400, USA

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/45636](https://mdpi.com/si/45636)

*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 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. 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)