

## Special Issue

# Energy Efficiency Assessment and Resource Optimization

### Message from the Guest Editors

With the increase in human social activities, energy efficiency improvement and resource optimization have attracted more and more attention from environment and industrial process research communities, especially in the chemical process, input–output resources, renewable energy, and process industries, etc. Traditional mechanism model analysis and actual production verification methods lead to the disadvantages of difficult energy efficiency evaluation, high complexity, and excessive cost. Through data analysis and artificial intelligence technologies, such as neural networks, principal component analysis, and data computing, energy efficiency can be evaluated based on data-driven methods to achieve resource optimization. It can reduce the unnecessary influence factors in the actual energy efficiency evaluation process of process industries, and can quickly establish an energy efficiency assessment and resource optimization model, which is conducive to the realization of resource protection and emission reduction, and can thus improve the energy efficiency.

---

### Guest Editors

Prof. Dr. Zhiqiang Geng

Prof. Dr. Yongming Han

Dr. Chong Chu

---

### Deadline for manuscript submissions

closed (30 November 2022)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8



[mdpi.com/si/72246](https://mdpi.com/si/72246)

*Sustainability*

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 6.8



[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, AGRIS, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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