

## Special Issue

# Advances in Clean and Sustainable Energy Research

### Message from the Guest Editors

This Special Issue aims to gather contributions in the fields of advances in clean energy research, energy economics, and energy policy to share up-to-date research results. Topics are but not limited to:

- Wind, solar, biomass, and geothermal energies;
- Ocean energy harvesting;
- Energy efficiency in buildings and appliances;
- Smart grids and microgrids for green electricity;
- CO2 capture and storage;
- Fossil-fuel power stations with CO2 sequestration;
- Underground and gas network storages;
- Future high-capacity energy storages;
- Future battery technologies;
- Power-to-gas/gas-to-power solutions;
- Green fuel/energy for mobility;
- Efficient long-distance transmission in supergrids;
- Efficient AC/DC/AC energy conversion;
- Sector coupling for energy creation and storage;
- Sector coupling at the consumer side;
- Coupling conventional with green power stations;
- Measuring and filtering harmonic oscillations in smart grids;
- Network stability before/after energy transition;
- Critical smart-grid states and counter measures.

---

### Guest Editors

Dr. Marc Alier

Institut de Ciències de l'Educació, Universitat Politècnica de Catalunya,  
08034 Barcelona, Spain

Prof. Dr. Mohan Lal Kolhe

Faculty of Engineering and Science, University of Agder, P.O. Box 422,  
4604 Kristiansand, Norway

---

### Deadline for manuscript submissions

closed (1 May 2022)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8



[mdpi.com/si/69085](https://mdpi.com/si/69085)

*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)