



## Advances in Clean and Sustainable Energy Research

Guest Editors:

**Dr. Marc Alier**

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

[marc.alier@upc.edu](mailto:marc.alier@upc.edu)

**Prof. Dr. Mohan Lal Kolhe**

Faculty of Engineering and  
Science, University of Agder, PO  
Box 422, NO: 4604, Kristiansand,  
Norway

[mohan.l.kolhe@uia.no](mailto:mohan.l.kolhe@uia.no)

Deadline for manuscript  
submissions:

**1 October 2021**

### 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.





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. 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.

## 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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

**Journal Rank:** [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

## Contact Us

---

*Sustainability*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

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