



## Renewable Energy Storage and Utilization

Guest Editors:

### Message from the Guest Editors

**Prof. Dr. José Antonio Cortajarena**

Department of Electronic Technology, Faculty of Engineering, Gipuzkoa (Eibar), University of the Basque Country, UPV/EHU, Avda Otaola N29, 20600 Eibar, Spain

**Prof. Dr. Oscar Barambones**

Department of System Engineering and Automation, Faculty of Engineering of Vitoria-Gasteiz, University of the Basque Country, UPV/EHU, Vitoria, Spain

**Prof. Dr. Patxi Alkorta**

Department of Systems Engineering and Automation, Faculty of Engineering, Gipuzkoa (Eibar), University of the Basque Country, UPV/EHU, Avda Otaola N29, 20600 Eibar, Spain

Deadline for manuscript submissions:

**closed (31 October 2021)**

The decarbonization objectives set by the European Commission inherently involve the use of renewable energies, but energy storage is one of the main problems that prevent a more widespread use of renewable energies. Energy storage in different forms is essential to reduce variation in electricity prices, reduce the cost of electricity, and facilitate the integration of renewable energy sources into the electricity grid, guaranteeing a stable supply in the future.

Energy can be stored using different technologies or systems. For instance, it can be stored using mechanical, chemical, electrochemical, thermal, and electrical systems.

This Special Issue of Sustainability aims to address the challenges in the use and control of different storage technologies for storing and utilizing renewable energy. Original submissions focusing on different storing methods and their control and practical implementation, increasing our knowledge of better and new applications for energy storage systems, on the basis of one or more of the following topics, are welcome in this Special Issue.





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)