



## Sustainable Technology and Policy: Energy Transformation under Decarbonization

Guest Editors:

**Prof. Dr. Anna Manowska**

Faculty of Mining, Safety  
Engineering and Industrial  
Automation, Silesian University  
of Technology, 2 Akademicka St.,  
44-100 Gliwice, Poland

**Prof. Dr. Joachim Pielot**

Faculty of Mining, Safety  
Engineering and Industrial  
Automation, Silesian University  
of Technology, 2 Akademicka St.,  
44-100 Gliwice, Poland

Deadline for manuscript  
submissions:

**closed (2 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue addresses the energy transition under decarbonisation conditions, understood as the implementation of an ambitious policy of reducing emissions and a stronger link with both the electricity market and the primary fuel market.

The key element of the transformations is sustainable technology, which supports the development of innovative solutions in line with Poland's Responsible Development Strategy.

Undoubtedly, these issues have a significant impact on the functioning of both the global electricity and primary fuel markets.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

Markets for primary fuels; electricity and renewable energy; current state and development prospects for energy markets; energy transformation; modern technologies for the extraction, processing and use of natural resources and the production of their substitutes, forecasting prices and modelling dependencies on energy markets.

We look forward to receiving your contributions.

Prof. Dr. Anna Manowska

Prof. Dr. Joachim Pielot

Guest Editors



[mdpi.com/si/143028](https://mdpi.com/si/143028)

# 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