



## Energy Sources, Carbon Emissions and Economic Growth

Guest Editors:

**Prof. Dr. Luigi Grossi**

Department of Statistical  
Sciences, University of Padua,  
35121 Padova, Italy

**Dr. Marina Bertolini**

Department of Statistical  
Sciences, University of Padua,  
via Cesare Battisti 241, 35121  
Padova, Italy

Deadline for manuscript  
submissions:

**15 January 2025**

### Message from the Guest Editors

The urgent need to address the intertwined challenges of energy sources, carbon emissions, and economic growth has become increasingly apparent in our quest for sustainable development. In this Special Issue, we welcome original research papers, review articles, and case studies that address the following topics:

- Energy transition pathways and their implications for economic growth;
- Assessment of renewable energy technologies and their role in carbon mitigation;
- Analysis of the environmental and economic impacts of different energy sources;
- Modelling the relationship between carbon emissions, energy consumption, and economic indicators;
- Policy frameworks for promoting sustainable energy sources and reducing carbon emissions;
- The role of innovation and technological advancements in fostering sustainable economic growth;
- Socio-economic aspects of energy transition and their implications for different regions and communities;
- Energy efficiency measures and their potential for decoupling economic growth from carbon emissions.





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, St. Alban-Anlage 66  
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)