



## Multicriteria Decision Analysis in Planning Sustainable Energy Use

Guest Editors:

**Prof. Dr. Eulalia Jadraque Gago**

Engineering Construction and Project Management, School of Civil Engineering, University of Granada, Granada, Spain

**Prof. Dr. Saioa Etxebarria Berrizbeitia**

Faculty of Mechanical Engineering, University of the Basque Country, Victoria-Gasteiz, Spain

Deadline for manuscript submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Sustainable energy consumption is consumption that meets environmental and social sustainability criteria, i.e. consumption that allows the well-being of current generations without detracting from the future of future generations. Energy production and use must not only be compatible with society's environmental priorities, but must also be organised in a way that supports the social consensus that binds them together.

While most studies were based solely on cost minimisation, it was not until the 1980s that there was a greater awareness of environmental issues and a need to incorporate environmental considerations into energy planning. This led to a wider use of MCDA. All this results in the fact that energy planning problems are complex with multiple decision-makers and multiple criteria, as it is subject to many sources of uncertainty, long lead times and capital-intensive investments. Therefore, these problems are well suited for the use of MCDA.

This special issue aims to provide an overview of MCDA methods that have been proposed over the years. It presents an overview of how the various methods have been applied and are applied for sustainable energy use planning.





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