

Special Issue

Multi-Objective Renewable Energy Resource Management

Message from the Guest Editor

This Special Issue concentrates on renewable energies, energy management, multi-objective algorithms, power integration, and electrical grids. It is aimed at researchers and experts who want to develop novel results on these exciting subjects, as well as newcomers to renewable energies. The Special Issue will present explanations about energy management strategies and provide ideas for new research applications. Special emphasis will be placed on the recent innovative applications of such strategies applied for solar and wind energies to provide electrical energy, especially on the power control and the optimum use of the generated energy. The text will be presented in such a way to be accessible to researchers with advanced knowledge in renewable energies. The Special Issue topics may include:

- Solar and wind generation integration into the grid;
- Variability management of the renewable energy generation and the electrical market;
- Multi-objective optimization for renewable energy distributed generation;
- Design of renewable energy plants based on multi-objective energy management strategies;
- Evolutionary algorithms for renewable energy power plants.

Guest Editor

Prof. Dr. Imene Yahyaoui

Applied Mathematics, Materials Science and Engineering and Electronic Technology, King Juan Carlos University, Madrid, Spain

Deadline for manuscript submissions

closed (1 July 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/65467

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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.

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

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, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)