

Special Issue

Renewable Energy Communities: Smart Solutions and the Management of Distributed Energy Sources for the Optimization of Shared Energy

Message from the Guest Editor

In this context, the present Special Issue aims at collecting research concerning the evaluation of the technical and economic viability of RECs. We are interested in proposals of innovative tools and techniques and articles with a focus on energy sources, the types of renewables used among a community, the kinds of citizens involved, primary energy demand, electric grid features, services and related policies of different countries. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Renewable energy community planning;
- Local energy markets and trading mechanisms;
- Machine/deep learning applied to the study and optimization of RECs;
- Business and energy models;
- Load management;
- Renewables;
- Storage;
- Photovoltaics;
- Distributed generation;
- Sustainable and efficient buildings;
- Electric power system.

Guest Editor

Dr. Elisa Belloni

Department of Engineering, University of Perugia, 06125 Perugia, Italy

Deadline for manuscript submissions

closed (8 March 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/192528

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)