

Special Issue

District Energy System and Energy Management

Message from the Guest Editors

In recent years, the energy issue has been playing a fundamental role in terms of environmental sustainability and the competitiveness of businesses. In fact, the triad of EU objectives to 2030 provides for the 40% reduction of greenhouse gas emissions compared to 1990, the achievement of the target of 32% of penetration of renewable energy sources (RES) in energy consumption, and the 32.5% reduction in consumption as a goal for energy efficiency. This Special Issue aims to consider, within the energy communities, the optimization of energy systems, passing from the management of the production of electrical and thermal energy, their storage, and their distribution through electricity networks and district heating and cooling networks. At the same time, the emerging interest of the political administrators for the energy communities is producing a new regulatory context, where the theoretical results of the optimal energy distributed production and allocation can be tested in the real world. Papers dealing with this kind of real applications or presenting projects where full-scale tests are planned for the near future are also welcome.

Guest Editors

Dr. Melchiorre Casisi

Department of Engineering and Architecture, University of Trieste,
34127 Trieste, Italy

Prof. Dr. Mauro Reini

Department of Engineering and Architecture, University of Trieste,
34127 Trieste, Italy

Deadline for manuscript submissions

closed (30 September 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/66417

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)