

Special Issue

Developing Multi-Energy Systems: Technologies, Methods and Models

Message from the Guest Editor

Environmental aspects have been emphasized in designing smart energy systems where sustainable development is a crucial factor. Sustainable development in the energy sector has been introduced as an eventual solution for improving the energy systems to comply with the smart energy requirements considering the environment and energy provision. The development of distributed energy resources such as energy converters and storage can also increase the dependency of energy carriers. On this basis, the cross-impact of various energy vectors should be investigated under the concept of multi-energy systems (MES). Developing technologies, methods, and models in the planning and operation of MES should provide a sustainable system with enhanced flexibility to satisfy the energy demand. To this end, renewable energy resources, energy storage systems, demand response, and electric vehicles will play a key role. This Special Issue aims at encouraging researchers and industries to address their solutions for the design of the system structure as well as of operational and control models for sustainable MES.

Guest Editor

Dr. Miadreza Shafie-khah

School of Technology and Innovations, University of Vaasa, 65200 Vaasa, Finland

Deadline for manuscript submissions

closed (30 September 2020)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/22217

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)