

Special Issue

Emerging Technologies towards Energy Cooperation between Smart Grid and Microgrids

Message from the Guest Editor

Dear colleague, This Special Issue aims to serve as a platform for energy researchers to present appropriate negotiation structures to maximize the benefits of microgrids connected to the smart grid and contribute to the derivation of sustainable future energy systems. In addition to modern techniques to deal with uncertainty parameters incorporating the microgrid and smart grid, this Special Issue will also look at multilateral economic distribution frameworks that need to be implemented easily and efficiently without the need for a central agent with a limited exchange of information, which consists of the amount and price of energy exchange. Special attention will be given to studies on emerging technologies, such as machine learning and artificial intelligence, etc., for solving emergent challenges on renewable energy integration to smart grid, uncertainty-aware peer-to-peer energy management, and smart grid vulnerability against faults and cyberattacks.

Guest Editor

Dr. Mohamed A. Mohamed
Electrical Engineering Department, Faculty of Engineering, Minia University, Minia 61519, Egypt

Deadline for manuscript submissions

closed (23 October 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/101112

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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