

Special Issue

Technology Innovation and Applications of Power Electronics of Renewable Energy Systems

Message from the Guest Editors

This Special Issue is devoted to providing the opportunity for interested researchers to focus on the recent innovative technologies and applications of power electronics in renewable energy systems. The issue covers all topics related to the integration of photovoltaics and wind generators with utility grids or microgrids, energy management and control techniques, battery storage technologies, fuel cells, electrical vehicles, etc. In addition, the submission of paper dealing with the related topics of using advanced control techniques in renewable energy systems (such as fuzzy logic control, neural networks, neuro-fuzzy, model predictive control, metaheuristic optimization techniques, etc.) is encouraged as well. The editor would like to invite all interested researchers studying the abovementioned topics to submit their original articles for publication in this issue.

Guest Editors

Dr. Emad M. Ahmed

Dr. Mokhtar Aly

Prof. Dr. Fernanda Carnielutti

Deadline for manuscript submissions

closed (30 April 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/103539

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)