

Special Issue

Power Systems Engineering Applications for a Sustainable Future

Message from the Guest Editor

Following recent trends in technologies, power systems around the world seek to adapt their practices to the increasing number of demands. In this sense, modern technologies should be considered in a holistic environment of creativity, innovation, and social inclusion. The topics below cover a wide area of research on professionals involved in emerging power systems. A socially and environmentally sustainable society has become a topic of interest of different sectors of society, including politicians, engineers, and researchers. Power systems play a special role in this transformation. This Special Issue proposes a discussion of the following topics, but not limited to them:

- New generation technologies such as green hydrogen;
- The role of renewable generation and its integration to this system, considering the advantages and challenges;
- Electric and hydrogen vehicles and their impact on the system;
- Storage devices technologies and applications;
- Smart grids enabling smart cities;
- New syllabus in electrical engineering courses.

Guest Editor

Prof. Dr. Antonio Carlos Zambroni de Souza
Institute of Electrical Systems and Energy, Federal University of Itajubá,
Av. BPS, 1303, Pinehrinho, Itajubá 37500-903, MG, Brazil

Deadline for manuscript submissions

closed (1 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/153290

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)