



Technological Advancements for Global Energy Sustainability: Role of Energy Storage, Power Converter, and Control

Guest Editors:

Dr. Md Rabiul Islam

Dr. Thanikanti Sudhakar Babu

Dr. Sajal K. Das

Deadline for manuscript
submissions:
closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the recent technological advancements in the power and energy sector to accommodate the large penetration of renewable energy resources and electric vehicles. Further, it focused on new products in the microgrid/smart grid/future grid environment, storage systems, renewable energy technologies including solar, wind, and ocean wave, novel concepts, and their applications. Energy efficiency, system integration, system reliability and sustainability, fault mitigation, and optimization and control techniques are among the areas of interest.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)