



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

Guest Editors:

Dr. Md Rabiul Islam

School of Electrical, Computer
and Telecommunications
Engineering, University of
Wollongong, NSW 2522, Australia
mrislam@uow.edu.au

Dr. Thanikanti Sudhakar Babu

Department of Electrical and
Electronics Engineering,
Chaitanya Bharathi Institute of
Technology, Hyderabad 500075,
India

sudhakarbabu@ieee.org

Dr. Sajal K. Das

Department of Mechatronic
Engineering, Rajshahi University
of Engineering and Technology,
Rajshahi 6204, Bangladesh

sajal.das@mte.ruet.ac.bd

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.

Deadline for manuscript
submissions:

30 October 2021





an Open Access Journal by MDPI

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

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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)