



## Sustainable Management of Power Supply System

Guest Editors:

**Dr. Taskin Jamal**

Department of Electrical and  
Electronic Engineering,  
Ahsanullah University of Science  
and Technology, Dhaka 1208,  
Bangladesh

**Dr. Molla Shahadat Hossain  
Lipu**

Department of Electrical and  
Electronic Engineering, Green  
University of Bangladesh, Dhaka  
1207, Bangladesh

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

This Special Issue is envisioned as an opportunity to conduct research on the sustainable management of power supply system concerning both conventional power systems and microgrid in standalone, grid-connected, remote and hybrid operation mode. Integration of renewable energy technologies and electric vehicles and incorporating various types of energy storage technologies pose crucial challenges in managing the modern-day power supply system. Simultaneously, a digital transformation is occurring across the power and energy value chain, starting from the generation, to distribution, and all the way to the end-use electricity supply for residential, commercial and industrial consumers. It is now essential that the electrical power sector recognizes the contributions of the emerging technologies that would facilitate sustainable and intelligent management of modern-day power supply systems. In this context, it is necessary to address different research gaps. Hence, We believe that the formulated solutions to ongoing problems and the results obtained in the articles published in this Special Issue could have a meaningful impact on energy resource development.





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. *Sustainability* publishes original research articles, review 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)