



Enhancement of Reliability and Sustainability in Electric Power Systems

Guest Editors:

Dr. Dmitry Baimel

Department of Electrical and
Electronics Engineering,
Shamoon College of Engineering,
Beer-Sheva 84100, Israel

Dr. Ilan Aharon

Department of Electrical
Engineering and Electronics, Ariel
University, Kiryat Hamada, Ariel
40700, Israel

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

The reliability and sustainability of modern power systems are critical, especially for infrastructure power systems. For example, a power grid is defined as strategic infrastructure where faults and an unsustainable power supply may have a negative economic, functional, and defensive impact on the whole country or its areas.

The reliability and sustainability of power systems can be affected by several aspects. The first is the constantly increasing integration of renewable energy sources and distributed generation, increasing the risk of short circuits and over-voltages. These faults can cause significant damage to the power system. Therefore, it is important to develop modern protection methods and devices. The second aspect is cyber security. Cyber-attacks can cause confusion in the power grid's information systems as well as blackouts.

The aim of this Special Issue is to bring together original, theoretical, and practical ideas, in the hope of developing future trends in the fields of power system reliability and sustainability.





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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