Special Issue

Energy Technologies, Challenges and Solutions for a Sustainable (Energy) World

Message from the Guest Editors

Electric power systems can be severely damaged by natural catastrophes such as typhoons, floods, earthquakes, and tornadoes. Electric power systems are also susceptible to cyber-attacks as the operation of these systems is increasingly depending on Internet communications. Consequently, electric power systems must be resilient to offer continuous and consistent electric power supply to end customers and to ensure smart grid systems' long-term economic viability. Sustainable smart energy systems through emerging electronics and automation technologies can achieve resilience through the innovation and deployment of smart sensors, as well as enhanced information and communication infrastructure. These new novel breakthroughs have prompted substantial research efforts to address the growing demand for resilient sustainable smart grid systems. This Special Issue aspires to be an open platform for sharing knowledge regarding advances and difficulties in resilient sustainable smart energy grid systems against natural and cyber disasters in this environment.

Guest Editors

Dr. Muhammad Shahzad Nazir

Faculty of Automation, Huaiyin Institute of Technology, Huai'an 223003, China

Dr. Sleiman Farah

Department of Mechanical and Production Engineering, Aarhus University, 8000 Aarhus, Denmark

Deadline for manuscript submissions

closed (30 June 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/131920

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

