



Microgrids and Sustainable Energy Integration 2023

Guest Editors:

Prof. Dr. M. Tariq Iqbal

Department of Electrical and
Computer Engineering, Faculty of
Engineering and Applied Science,
Memorial University of
Newfoundland, St. John's, NL
A1B 3X5, Canada

Dr. Razzaqul Ahshan

Department of Electrical and
Computer Engineering, Sultan
Qaboos University, PC 123,
Alkhoud P.O. Box 33, Oman

Deadline for manuscript
submissions:

10 October 2024

Message from the Guest Editors

Dear Colleagues,

Recent research has focused on microgrids and sustainable energy integration to improve energy systems. Microgrids are smaller versions of the power grid with localized energy resources and can operate independently or with a larger grid. They use renewable energy sources like solar, wind, and hydroelectric power and energy storage systems, providing increased reliability, resilience, and energy efficiency.

Overall, microgrids are an exciting area of research and development, with many potential benefits for sustainable energy integration.

In conclusion, microgrids and sustainable energy integration represent a transformative approach toward a cleaner, more resilient, decentralized energy future. By exploring new ideas and research directions, we can unlock the full potential of microgrids, paving the way for a more sustainable and decentralized energy landscape. The main objective of this Special Issue is to collect research exploring the latest developments in microgrids and sustainable energy integration technologies.

Prof. Dr. M. Tariq Iqbal
Dr. Razzaqul Ahshan
Guest Editors





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)