



New Trends for Green Energy in Power Conversion System

Guest Editors:

Prof. Dr. Adel M. Sharaf

Prof. Dr. Ragab A. El-Sehiemy

Prof. Dr. Mohamed Talaat

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

The energy sector faces an increased demand from various stakeholders to decrease the economic and technical performances of renewable energy resources through decreasing the cost of renewables while simultaneously improving the adoption rate of renewable energy. In recent decades, an increased penetration has been noticed, and therefore, their related technologies have experienced rapid improvements to meet the technoeconomic issues of power markets.

This SI aims to collect review and working articles from around the world which cover and illuminate the state of the art of development of renewable energy sources, energy conversion systems, and their recent technological spreads. Different types of renewable energy sources will be discussed.

The scope of this SI is to cover recent developments in green energy and deal with the continuous technology advances in the domain of renewable energies and their penetration in electrical grids, including but not limited to :

- Renewable energy resources
- Smart grids and smart metering
- AC–DC grids
- Energy storage devices
- Applications of the Internet of Energy
- Optimal power flow





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)