

Special Issue

Advances in Renewable Energy Conversion Systems

Message from the Guest Editors

In order to mitigate the greenhouse gas emissions and global warming concerns, modernizing electrical energy generation systems for sustainable energy has gained popularity. The need for ecologically friendly power generation has led to innovative concepts in generation, transmission, distribution, energy storage, building architecture, system fabrication and utilization. Research areas may include (but are not limited to) the following:

- Power converters and their control for renewable energy applications;
- Energy conversion and storage;
- Renewable-energy-based low-power energy technologies;
- Application of renewable energy systems for zero-energy/net-positive buildings;
- Health monitoring/condition monitoring of renewable energy systems;
- Reliability of smart grids;
- Design, control, fabrication and optimization of battery management systems (BMSs);
- Advancement in the materials science for renewable energy systems;
- High-performance HVAC systems for buildings.

We look forward to receiving your contributions.

Guest Editors

Dr. Marif Daula Siddique
Prof. Dr. Saad Mekhilef
Dr. Ikhlaq Hussain

Deadline for manuscript submissions

closed (31 August 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/140837

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).