

Special Issue

Emerging Technologies for Photovoltaic Solar Energy

Message from the Guest Editors

This Special Issue aims to present recent advances and emerging technologies in PV solar energy and is focused and includes, but not limited to the following topics:

- Solar potential estimation and PV systems sizing.
- New developments in PV solar cells, modules, and arrays.
- PV systems for portable, stand-alone, and grid-connected applications.
- Large-scale PV power plants.
- Smart grids with PV systems.
- Hybrid power systems with PV solar energy.
- Energy storage systems with PV solar energy.
- Power converters for PV systems.
- MPPT algorithms for PV systems.
- Intelligent control methods of power converters for PV systems.
- Monitoring, control, and management of PV systems.
- PV solar energy forecasting methods.
- Economics of PV systems.
- State-of-the-art reviews on PV systems and applications.

Welcome to contribute✉

Guest Editors

Prof. Dr. Luis M. Fernández-Ramírez

Prof. Dr. Sonia Leva

Dr. Pablo García Triviño

Deadline for manuscript submissions

closed (30 October 2021)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/27183

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 guest-edited 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 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).