

Special Issue

Photovoltaic (PV) Systems: Modelling, Measurement and Assessment

Message from the Guest Editors

This Special Issue, Photovoltaic Systems: Modelling, Control, Measurement and Applications, seeks high-quality works and will consider manuscripts that provide concepts or methodologies that can be utilized for improving the performance of PV systems. We are collecting the advancements from novel, original research works as well as reviews. The scope of interests includes, but it is not limited to, the following topics:

- PV systems characterization and modelling;
- Advanced control algorithms and optimization techniques;
- Energy-storage materials and devices (hydrogen production and storage, supercapacitors, lithium-ion batteries, sodium/potassium-ion batteries, lithium-sulfur batteries, metal-air batteries, fuel cells, etc.);
- Energy management strategies;
- Application of PV systems;
- Energy efficiency;
- PV/thermal systems;
- Concentrating PV/thermal systems;
- PV/thermoelectric generator systems;
- Modelling PV/thermal systems;
- Hybrid renewable systems.

Guest Editors

Dr. Gaber Magdy

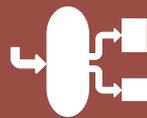
Department of Electrical Engineering, Faculty of Energy Engineering,
Aswan University, Aswan 81528, Egypt

Dr. Mohamed R. Gomaa

Mechanical Engineering Department, Benha Faculty of Engineering,
Benha University, Benha 13512, Egypt

Deadline for manuscript submissions

closed (10 January 2024)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.1



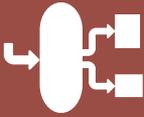
mdpi.com/si/137594

Processes

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.1



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (Chemical Engineering (miscellaneous))