

## Special Issue

# Application of Power Converter in Integrated Energy Storage Management

### Message from the Guest Editors

We are excited to announce a Special Issue focused on the "Application of Power Converters in Integrated Energy Storage Management." This issue seeks to explore innovative applications and advancements in power converters that enhance the efficiency and integration of energy storage systems. Topics of interest include, but are not limited to, the following:

- Novel converter topologies.
- Advanced control strategies for energy storage.
- Integration techniques that improve grid stability and energy management.

We also welcome contributions on the following:

- Role of power converters in hybrid energy systems.
- Optimization of storage performance.
- The impact of emerging technologies on energy storage solutions.

This Special Issue aims to provide a comprehensive overview of cutting-edge research and practical developments in this vital field. We look forward to your valuable contributions.

---

### Guest Editors

Dr. Naga Vamsi Krishna Thirumalasetty

Electrical and Computer Engineering, University of New Brunswick, 15 Dineen Drive, Head Hall, Fredericton, NB E3B 5A3, Canada

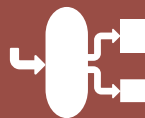
Dr. Hsin-Jang Shieh

Department of Electrical Engineering, National Dong Hwa University, Hualien 97401, Taiwan

---

### Deadline for manuscript submissions

closed (20 October 2025)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/216376](https://mdpi.com/si/216376)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[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:

CiteScore - Q2 (Chemical Engineering (miscellaneous))