

## Special Issue

# Advances in Thermochemical Energy Storage

### Message from the Guest Editors

This Special Issue “Advances in Thermochemical Energy Storage” is to promote future developments and invite high-quality contributions from all related disciplines, such as chemistry, material science, engineering and economics, to provide a comprehensive coverage of the latest state of the art in this field. Topics include, but are not limited to:

- Identification of suitable reaction systems for thermochemical energy storage;
- Material design and modification for optimized properties during cyclic charging and discharging;
- Design and demonstration of thermochemical reactors from lab to pilot scale;
- Process engineering for efficient charging and discharging characteristics;
- Economic evaluations identifying promising scenarios for the commercial implementation of thermochemical storage systems.

---

### Guest Editors

Prof. Dr. Wolfgang Krumm

Department of Mechanical Engineering, University of Siegen, 57076 Siegen, Germany

Dr. Sandra Afflerbach

Institute for Energy Technology, Technical University Berlin, 10587 Berlin, Germany

---

### Deadline for manuscript submissions

closed (10 August 2023)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/89423](https://mdpi.com/si/89423)

*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))