



## Advances in Thermochemical Energy Storage

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)**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Giancarlo Cravotto

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

## 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.

## 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)*)

## Contact Us

---

Processes Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)