



Dynamic and Interactive Thermal Energy Storage Solutions for Buildings

Guest Editors:

Prof. Dr. Huijun Wu

School of Civil Engineering,
Guangzhou University,
Guangzhou 510006, China

Dr. Jia Liu

School of Civil Engineering,
Guangzhou University,
Guangzhou 510006, China

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

It is significant to maintain effective thermal energy use in buildings as a crucial source for carbon emission mitigation and energy sustainability. Thermal energy storage is an important pathway that stocks thermal energy by heating or cooling a storage medium so that the stored energy can be used at a later time for heating and cooling applications and power generation. It is of big significance to find dynamic and interactive thermal energy storage solutions for buildings to achieve building energy flexibility for achieving carbon neutrality.

We are organizing a Special Issue entitled “Dynamic and Interactive Thermal Energy Storage Solutions for Buildings”, aimed at reporting the most recent new finding from researchers and sector professionals in the scope of relevant themes. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Advanced thermal energy storage technologies for buildings;
- Phase-change materials for thermal energy storage in buildings;
- Thermal energy storage integration with renewable energy;
- Thermal energy storage and building energy flexibility.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)