



Dynamic and Interactive Thermal Energy Storage Solutions for Buildings

Guest Editors:

Prof. Dr. Huijun Wu

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

Dr. Jia Liu

School of Civil Engineering and Transportation, 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. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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](#), [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)