



Life-Cycle Assessment of Energy Storage in Building Applications

Guest Editors:

Prof. Dr. Luisa F. Cabeza

GREA Innovació Concurrent,
Universitat de Lleida, Pere de
Cabrera s/n, 25001 Lleida, Spain

Dr. Emiliano Borri

GREiA Research Group,
Universitat de Lleida, Pere de
Cabrera s/n, 25001 Lleida, Spain

Dr. Gabriel Zsembinszki

GREiA Research Group,
Universitat de Lleida, 25001
Lleida, Spain

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to contribute to studying the sustainability, through LCA analysis, of the integration of different energy storage solutions applied to buildings.

In particular, the main topic that this Special Issue should cover are:

- LCA of thermal energy storage materials integrated into building envelopes;
- LCA of energy systems buildings that integrates thermal energy storage (latent, sensible, thermochemical) and/or electrical energy storage (batteries, fuel-cells, supercapacitors, flywheels, etc.).

Research and reviews articles are therefore invited to be submitted to this Special Issue to contribute to and highlight the sustainable aspect of energy storage technologies.

Prof. Dr. Luisa F. Cabeza

Dr. Emiliano Borri

Dr. Gabriel Zsembinszki

Guest Editors





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)