



## Energy Management in Building Services and Components to Reach Net Zero Energy Buildings

Guest Editors:

**Dr. Domenico Palladino**

DUEE Dept., ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), Casaccia Research Center, 00123 Rome, Italy

**Dr. Silvia Di Turi**

Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Rome, Italy

### Message from the Guest Editors

As is the case for many countries, the building sector accounts for about 40% of total energy consumption, and thus is one of the most energy-intensive sectors. This Special Issue aims to collect applications, simulations, and analyses of energy management in building services and components capable of contributing to the objective of net zero energy buildings. The purpose is to gather and share widespread solutions and to identify innovative and promising applications for improving the energy management of buildings. We encourage colleagues to submit research papers, short communications, and reviews on the following topics, such as include (but are not limited to):

- Energy and environmental impact analysis of innovative management applications and high-energy-performance buildings
- Energy and thermal properties measurement and analysis of innovative materials capable of contributing to net zero energy buildings objective
- Renewable energy sources and storage systems applications, HVAC monitoring, and BACS system applications
- Simulations for enhancing Net ZEB management using different approaches
- Buildings retrofitting and indoor environmental quality investigation

Deadline for manuscript submissions:

**closed (30 June 2023)**





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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
X@Sus\_MDPI