

Special Issue

Energy Efficiency in Buildings and Its Sustainable Development

Message from the Guest Editors

The Special Issue titled "Energy Efficiency in Buildings and Its Sustainable Development" focuses on advancing the concept of zero-energy buildings (ZEBs) as a cornerstone of sustainable development in the construction sector. It aims to explore innovative strategies, technologies, and policies that promote energy efficiency and reduce environmental impacts across the entire building life cycle, including design, construction, operation, renovation, and dismantling. Topics include passive design principles, renewable energy integration, building envelope optimization, smart energy management systems, and occupant behavior analysis. Through interdisciplinary research and case studies, this issue seeks to highlight the potential of ZEBs to minimize energy consumption, mitigate climate change, and foster resilient communities.

Guest Editors

Dr. Javier M. Rey Hernández

Dr. Juan Pablo Jimenez Navarro

Dr. Andrea Rocchetti

Prof. Dr. Charles Yousif

Deadline for manuscript submissions

31 January 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/202745

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)