

Special Issue

Integrated Building Design: Balancing Comfort and Environmental Performance

Message from the Guest Editors

IBD represents a holistic approach that involves the collaborative efforts of architecture, engineering, interior design, and energy management to optimize building performance. Key areas of interest include the integration of advanced energy management systems, the use of sustainable materials, and the implementation of passive heating and cooling techniques. These strategies aim to reduce carbon footprints, lower energy consumption, and increase the use of renewable energy sources. Additionally, the issue will explore bioclimatic design strategies that enhance indoor air quality, optimize natural lighting, and ensure thermal comfort. It will also focus on the importance of acoustics and spatial ergonomics in creating healthy and enjoyable indoor environments. This Special Issue aims to gather cutting-edge research and case studies that showcase the best practices in IBD, emphasizing technological innovations, sustainability strategies, and their impacts on occupant well-being. The objective is to provide researchers, architects, and urban planners with practical, evidence-based insights to guide the creation of resilient, environmentally friendly, and comfortable buildings.

Guest Editors

Prof. Dr. Emmanuel Simeu

Institute of Engineering, Université Grenoble Alpes, CNRS, Grenoble
INP, TIMA, 38000 Grenoble, France

Dr. Mohamed Tabaa

LPRI Laboratory, EMSI Casablanca, Casablanca 20330, Morocco

Dr. Badr Chegari

Cool Roof Laboratory, Rue de Domblans, ZA de Quiella, 29590 Le Faou,
France

Deadline for manuscript submissions

25 December 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/215023

Energies

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

energies@mdpi.com

mdpi.com/journal/

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



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



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, 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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)