

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.

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Deadline for manuscript submissions

closed (25 December 2025)



Energies

an Open Access Journal
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Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/215023

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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.

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