

Special Issue

Thermal Behaviour, Energy Efficiency in Buildings and Sustainable Construction

Message from the Guest Editor

Given the relevant energy consumption share of the buildings sector, it is important to search for innovative design solutions and for the optimal thermal performance of buildings in order to reduce energy bills and greenhouse gas emissions, while maintaining the comfort levels of the occupants. Additionally, given the environmental burdens of the construction sector, seeking more environmentally responsible processes and a more efficient use of resources is currently attracting more attention. This Special Issue is dedicated to the analysis of the recent advances on the following: (1) thermal behaviour improvement of a building's elements (e.g., walls, floors, roofs, windows, doors, etc.), (2) energy efficiency in buildings, and (3) sustainable construction. All types of the following research approaches are acceptable: experimental, theoretical, numerical, analytical, computational, case studies, and their mixtures. The main criteria for paper acceptance are academic excellence; scientific soundness; and the originality and novelty of applications, methods, fundamental findings, or experiments.

Guest Editor

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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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