Special Issue

Thermal Comfort and Building Energy Consumption

Message from the Guest Editors

A well-designed building that balances energy efficiency and thermal comfort can reduce building energy consumption and carbon emissions while also safeguarding the health and well-being of building occupants. Keywords

- building energy efficiency
- human thermal comfort
- indoor thermal environment typical meteorological year (TMY)
- outdoor climate potential of buildings
- building thermal performance
- thermal and moisture physical properties
- passive building design
- optimization design of energy saving
- multi-objective optimization
- evaluation and control of indoor thermal environment external and internal design conditions for building energy efficiency
- outdoor design parameters on thermal comfort
- thermal environment and energy efficiency in sustainable buildings
- smart building technologies in energy efficiency and thermal comfort
- applications of outdoor design parameters in extreme climatic conditions

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Deadline for manuscript submissions

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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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