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Performance Evaluation, Thermal Comfort and Energy Efficiency in Buildings

Guest Editors:

Dr. Nuria Forcada

Department of Project and Construction Engineering,
Universitat Politècnica de Catalunya, 08222 Terrassa
(Barcelona), Spain

Prof. Dr. Rajat Gupta

Low Carbon Building Research Group, Oxford Institute for Sustainable Development,
Oxford Brookes University,
Oxford OX3 0BP, UK

Deadline for manuscript submissions:

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Message from the Guest Editors

Climate change, the growth of indoor activities and the changing attitude to comfort has led to an increase in energy consumption in buildings. Only by understanding the relationship between the building, its systems, and their occupants' needs, can come the changes needed to radically reduce the energy used in buildings and the greenhouse gasses emitted from them.

This Special Issue will deal with “Thermal Comfort and Energy Efficiency in Buildings”. The topics of interest for publication include, but are not limited to:

- Thermal comfort and energy efficiency in buildings;
- Thermal comfort and indoor air quality;
- Thermal comfort and natural ventilation during the COVID-19 pandemic;
- Comfort standards to reduce energy use and greenhouse gas emissions;
- Designing for thermal resilience;
- Thermal comfort for different groups of the population;
- Safe and healthy environments for people with different needs;
- Thermal comfort and climate change;
- Building and HVAC control for indoor environmental quality (IEQ);
- Building information modelling (BIM) and digital twins for indoor environmental quality (IEQ) analysis;
- Predictive and adaptive thermal comfort models.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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