



The Binomial IEQ: Energy Demand

Guest Editors:

Prof. Dr. Boris Igor Palella

Prof. Dr. Laura Bellia

**Prof. Dr. Francesca Romana
D'Ambrosio**

Prof. Dr. Giuseppe Riccio

**Prof. Dr. Rosario Aniello
Romano**

Deadline for manuscript
submissions:
closed (31 October 2021)

Message from the Guest Editors

Only in recent years, the application of the human factors' principles stated the need for rethinking the whole indoor built environment design. Indoor environments should be livable, comfortable, safe, and productive, with low energy costs, and their design has to be compliant with sustainability in a general context where the balance between man and nature is breaking. This holistic approach has changed the role of the project teams who need to be multi-disciplinary and be able to simulate energy performance of buildings and evaluate the Indoor Environmental Quality (IEQ) in an integrated design process.

To achieve a sustainable compromise in terms of IEQ and building energy requirements, several challenging questions must be answered about design, technical, engineering, psychological, and physiological issues and, finally, potential interactions among the four components of the IEQ.

This Special Issue invites scholars to contribute original research and review articles on innovative design, systems, and/or control domains that can enhance IEQ, work productivity, wellbeing in a built environment consistently with the building energy performance.





energies



an Open Access Journal by MDPI

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)