

Special Issue

Advanced Technologies in HVAC Equipment and Thermal Environment for Building

Message from the Guest Editor

Zero energy building and artificial intelligent (AI) techniques are resulting in new demands being placed on HVAC systems. Renewable energy techniques are beginning to allow HVAC systems to be integrated into zero energy construction. There are also attempts to combine AI equipment with HVAC equipment to realize smart monitor features. On the other hand, some innovative technologies and facilities have arisen from attempts to overcome the disadvantage of HVAC in terms of energy expenditure. Thus, this Special Issue aims to collect advanced research achievements related to advanced techniques of HVAC and other innovation technologies that are used in shaping the thermal environment in buildings. Topics of interest for publication include but are not limited to:

- Smart HVAC technology
- HVAC system integrating renewable energy technology
- Ecological restoration planning
- Ductless HVAC system
- Ecological low-carbon planning
- Relative HVAC analysis software and algorithm
- Virtual reality for HVAC monitoring
- Innovation technique for building thermal environment adaptation

Guest Editor

Prof. Dr. Li Yang

College of Architecture & Urban Planning, Tongji University, Shanghai 200092, China

Deadline for manuscript submissions

closed (15 February 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



mdpi.com/si/128980

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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)