

## Special Issue

# Heating, Cooling, and Ventilation Systems: Applications and Performance

### Message from the Guest Editors

Buildings account for a substantial proportion of global energy consumption and significantly contribute to CO<sub>2</sub> emissions. The largest contributors to high-energy consumption in buildings are heating, ventilation, and air conditioning (HVAC) systems. Increased energy use by HVAC systems may arise from inappropriate system selection, incorrect design, as well as errors made during their installation, operation, and maintenance. Therefore, it is important to search for and apply efficient, innovative HVAC solutions and assure their adequate operation. This Special Issue focuses on documenting the performance of heating, ventilation, and cooling systems in buildings, demonstrating new solutions and innovative applications of HVAC systems. For publication, we invite original papers containing experimental research, case studies, or extensive discussion on this topic.

---

### Guest Editors

Dr. Jan Kaczmarczyk

Dr. Joanna Ferdyn-Grygierek

Prof. Dr. Robert Sekret

---

### Deadline for manuscript submissions

closed (31 May 2021)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/37880](https://mdpi.com/si/37880)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[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)