

Special Issue

Emerging Research on the Energy and Thermal-Hygrometric Optimization of Buildings and Related Systems

Message from the Guest Editors

Many research fields are aimed at finding solutions that fully exploit renewable energy sources in civil sectors and at the same time reduce building energy consumption. The aim of the Special Issue is to spread the most significant research contributions dealing with the following topics (all in the field of the energy and thermal-hygrometric optimization of buildings and related systems):

- High energy efficiency, Nearly, Net and Plus Zero Energy Buildings;
- HVAC system and energy-saving;
- Geothermal energy system;
- Heat Exchangers ;
- Integration of Renewable Energy Sources ;
- Heat metering;
- Innovative renewable energy systems or components ;
- Innovative high energy efficiency systems and components (heating, cooling, domestic hot water, lighting, etc.);
- Energy dynamic simulation of buildings and related systems;
- Thermal insulation and thermal parameters of the building envelope components;
- Thermal behavior of the building envelope in winter and in summer;
- Thermal comfort and indoor air quality in civil buildings.

Guest Editors

Dr. Diana D'Agostino

Department of Industrial Engineering, University of Naples Federico II, Naples, Italy

Prof. Dr. Francesco Minichiello

Department of Industrial Engineering, University of Naples, p.le Tecchio, 80, 80125 Naples, Italy

Deadline for manuscript submissions

closed (10 September 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/110555

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 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)