Special Issue

Trends and Developments in District Heating and Cooling Technologies

Message from the Guest Editors

This Special Issue seeks original research, review articles and case studies that provide insights into the latest trends in DHC technologies. The scope of this Special Issue includes, but is not limited to, the following topics:

- Integration of renewable and alternative energy sources into DHC systems;
- Advances in heat and cold storage solutions for improved system efficiency;
- The role of prosumers in DHC systems;
- Smart control and optimization techniques for improved system efficiency;
- Decarbonization strategies and emissions reduction in DHC networks;
- Case studies on retrofitting existing DHC systems to modern standards;
- Analysis of the economic, environmental and social impacts of DHC systems in urban planning.

We encourage researchers working in the field of district heating and cooling to contribute to this Special Issue, which will serve as a platform for the dissemination of knowledge that supports the ongoing evolution of sustainable and resilient DHC networks.

Guest Editors

Dr. Elisa Guelpa
Energy Department, Politecnico di Torino, 10129 Torino, Italy

Dr. Martina Capone
Energy Department, Politecnico di Torino, 10129 Torino, Italy

Deadline for manuscript submissions

20 March 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/223717

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)