



Alternative Refrigerants and Refrigeration/Heat Pump Systems

Guest Editor:

Prof. Dr. Xiaohong Han

College of Energy Engineering,
Zhejiang University, Hangzhou
310027, China

Deadline for manuscript
submissions:

20 June 2024

Message from the Guest Editor

Dear Colleagues,

HFCs with high GWP contribute to global warming. To reduce their greenhouse effect and improve the energy efficiency of refrigeration/heat pumps, it is important to develop new low-GWP refrigerants; recover and reclaim the existing HFCs from refrigeration units that need maintenance, dismantling, and scrapping; build new cooling systems; and design and optimize of refrigeration/heat pump systems.

This Special Issue will be dedicated to Alternative Refrigerants and Refrigeration/Heat Pump Systems.

Subjects that will be discussed in this Special Issue will focus not only on natural refrigerants, low-GWP synthetic refrigerants, mixed refrigerants, refrigerant safety, refrigerant recovery and reclamation, and refrigerant evaluation but also on the construction, design and optimization of refrigeration/heat pump systems.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)