

## Special Issue

# Alternative Refrigerants and Refrigeration/Heat Pump Systems

### Message from the Guest Editor

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.

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### Guest Editor

Prof. Dr. Xiaohong Han  
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### Deadline for manuscript submissions

closed (20 June 2024)



## Applied Sciences

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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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