Special Issue

Sciences in Heat Pump and Refrigeration

Message from the Guest Editor

Heat pump and refrigeration technologies are matured and have been in practical use for many years. Nevertheless, active research and development in this area is still required because of energy and environmental issues related to heat pumps and refrigeration, such as global warming, the depletion of ozone layer, exhaustion of fossil fuels, etc. This Special Issue “Sciences in Heat Pump and Refrigeration” aims to cover recent advanced technologies and sciences in the next generation of heat pumps and refrigeration technology. Our topics of interest include, but are not limited to:

- Next generation heat pump/refrigeration
- Thermally driven heat pump/refrigeration
- Desiccant air conditioning
- Heat and mass transfer enhancement
- Innovative heat exchangers
- Low global warming potential refrigerant
- Visualization
- Computational fluid dynamics
- Optimization and dynamic control

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2018)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/8228

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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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