

Special Issue

Solar Cooling Innovations: Barriers, Opportunities, Capabilities, and Advancements

Message from the Guest Editor

The objectives of the current Special Issue are to discuss promising, recent, and innovative research in solar cooling technologies. Original research, review articles, and theoretical and empirical investigations are all invited to be submitted. The areas of interest include, but are not limited to:

- Absorption, adsorption, desiccant, ejector, thermoelectric, Rankine, and other solar-powered cooling methods.
- Adaption machine learning, deep learning, and neural network approaches for the performance prediction of solar cooling technologies.
- Recent developments, designs, trends, and innovations in solar-powered cooling systems.
- The optimization of solar-assisted cooling technologies.
- Simulation, modeling, and experimental research in solar air conditioning systems.
- Assessing the impact of policy, regulations, barriers, and infrastructure on solar cooling technologies.
- The life cycle assessment of solar energy systems.

Guest Editor

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Deadline for manuscript submissions

closed (15 August 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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