



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

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 August 2023)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Ali Alahmer

Guest Editor





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