Special Issue

Advances on Performance, Evaluation and Applications of Solar Thermal and Solar Hybrid PV-T Collectors

Message from the Guest Editors

Efficient use of solar energy is key for the worldwide transformation of the energy system to deal with the global energy crisis and climate change. With heat accounting for about half of the global energy demand, Solar Thermal and Solar Hybrid PV-T collectors appear as potential technologies to meet a significant proportion of the global heat needs through renewable heat. Moreover, their modularity allows their integration into urban environments, which is of great importance due to the large energy losses incurred when heat is transported. This SI addressing, but not limited to, any of the topics below are welcome:

- New designs / optimization / performance assessment / forecasting methods of solar thermal and/or solar hybrid PV-T collectors
- Performance and evaluation of solar thermal and/or solar hybrid PV-T collectors integrated into wider systems
- Applications of solar thermal and/or solar hybrid PV-T systems, such as combined heating, power and/or cooling in buildings, solar desalination, solar for hydrogen production or solar drying
- Technical, economic, cost, environmental and/or policy assessments of solar thermal and/or PV-T systems

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Deadline for manuscript submissions

closed (31 March 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/84090

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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