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Photovoltaic/Thermal Systems: Advances and Contribution to the Development of Renewable Energy Communities

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Deadline for manuscript
submissions:

closed (3 April 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue considers papers focused on the contribution of PV/T systems in the development of renewable energy communities. It is widely recognized that to achieve renewable energy communities, it is not sufficient to install a new capacity but instead to provide means for an easy share of the produced energy flows (both electricity and/or heat) among different consumers. In this respect, papers focused on solutions for sizing and operating PV/T systems in this context will be welcomed.

- New techniques for enhancing the energy performance of this technology.
- Modeling of PV/T systems' operation based on experimental data.
- Modeling for forecasting the energy and heat production from PV/T systems via machine learning approaches.
- Provision of performance maps to easily detect variation in the power-to-heat ratio with boundary conditions.
- Integration with buildings and energy storage systems (either thermal or electric).

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Special Issue



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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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