



Recent Progress in Solar Thermal Technologies and Applications

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Message from the Guest Editors

Dear Colleagues,

As one of the most popular and mature solar energy technologies, solar thermal conversion has been demonstrated to be a green and sustainable solution for providing heat for domestic water heating, air conditioning, water desalination, thermal power generation, etc. It is expected that solar thermal technologies will become increasingly important in mitigating the global challenges in energy and the environment. Therefore, to further promote and spread this promising alternative energy strategy, this Special Issue is now open to gather cutting-edge research addressing the current problems and future challenges. Both original research and review studies are welcome. The potential topics for this Special Issue include but are not limited to:

- Solar thermal collectors;
- Solar photovoltaic/thermal (PV/T) technologies;
- Building-integrated solar thermal applications;
- Solar space heating/cooling;
- Solar-assisted heat pumps;
- Solar desalination;
- Solar thermal power systems;
- Advanced solar thermal materials;
- Solar thermal storage;
- Hybrid solar thermal systems.





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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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