Special Issue

Advances in Solar Thermal Energy

Message from the Guest Editor

The installation and use of renewable energy sources for electricity production is gaining in importance due to stringent environmental standards seeking to reduce pollutant emissions and fossil fuel dependence. In this context, solar thermal technologies are one of the most promising means for electricity production for the incoming decades and an effective way to fight against climate change. Solar thermal power has shown through groundbreaking commercial projects its many advantages compared to other intermittent renewable electricity sources such as wind or photovoltaics. Noting all these exciting developments, it has never been more pertinent to launch a Special Issue that seeks to capture the latest research in solar thermal energy ranging from original research, communications, and review papers.

Keywords

- Advanced power cycles
- Software tools for CSP analysis and simulation
- Solar heating and cooling
- Solar-aided (hybrid) power systems
- Thermal energy storage
- Thermochemical energy storage
- Heat transfer fluids
- Small-scale solar systems
- Solar fuels
- Integration of solar thermal energy in buildings

Guest Editor

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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. *Sustainability* publishes original research articles, review 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.

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