Special Issue

Advances in Solar Thermal Technologies

Message from the Guest Editors

Advanced solar thermal technologies are emerging as key renewable technologies to address the world's growing demand for energy and environmental issues. These year-old technologies have been gaining popularity recently due to their continuous improvement in performance and reduction of costs. This Special Issue is intended to give a platform to the wide range of researchers to share a comprehensive overview of cutting-edge and innovative ideas, concepts, and designs, performance optimization using entropy generation analysis that are being pursued to develop solar thermal technologies and systems, as well as related interdisciplinary research areas, space heating, dehumidification, refrigeration, etc. Related topics include but are not limited to:

- Entropy generation and exergy analysis on solar thermal systems;
- Advances in solar collectors (flat plate; evacuated tube, etc.);
- Concentrated solar power;
- Direct and indirect solar drying system;
- Space heating technologies;
- Earth tube heat exchangers;
- Cooling and heating plant;
- Organic Rankin cycle;
- Distillation and desalination;
- Solar cooking system;
- Thermal energy modeling for solar thermal systems.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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