Special Issue

Frontiers on Solar Thermal Harvesting Technology

Message from the Guest Editors

Solar thermal energy has the potential to generate renewable energy in gigawatts and continued to lead capacity expansion. Considering this scenario, solar thermal technologies are an attractive option in a wide range of applications. However, efficient solar thermal harvesting from intermittent renewable sources, and storing it for future usage are the existing challenges. In particular, cost, high and medium temperature performance barriers must be removed to push solar thermal technology to the next level.

This Special Issue will pull together application of novel materials, advanced coolants, and optimized design of components to optimize solar thermal harvesting technology from the bottom up via experimental, theoretical, and computational techniques. The Special Issue assumes timely and successful rapid deployment of all recent solar thermal energy technologies. We are particularly interested in papers that are pushing further the envelope of applications and successful integration and hybridization of Solar Thermal harvesting in areas like mining, desalination, hydrogen production and nuclear power.

Guest Editors

Prof. Dr. Muhammad Imtiaz Hussain

Prof. Dr. Filippo Genco

Prof. Dr. Anjum Munir

Dr. Oussama Rejeb

Deadline for manuscript submissions

closed (31 December 2021)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/86056

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)