

Special Issue

Sustainable Energy Use: Innovative Research into Solar Thermal Systems

Message from the Guest Editors

The purpose of this Special Issue is to showcase and compile advances in research, development and innovation related to solar thermal energy that can contribute to environmentally friendly economic and social progress. Contributions may include original research or review articles on specialized or multidisciplinary topics related to resource assessment, design, monitoring, control, testing, maintenance, and the economic and environmental evaluation of installations.

Glazing, coatings, and selectively solar-absorbing surfaces;

Solar water heating;

Solar cooling;

Solar drying;

Solar cookers;

Solar thermal electricity;

Solar thermal propulsion in space;

Seasonal storage of solar energy;

Solar thermal systems for environmental quality in urban areas;

Solar thermal systems for building refurbishment;

Solar thermal systems for positive energy districts;

Passive systems for residential or industrial applications;

Solar resource assessment;

Modelling of solar thermal system performance and degradation;

Ecological footprint of solar thermal systems;

Economic and environmental assessment of solar thermal systems;

Monitoring, control and performance testing of solar thermal systems.

Guest Editors

Prof. Dr. Jesús Ignacio Prieto García

Department of Physics, Polytechnic School of Engineering of Gijón,
University of Oviedo, Oviedo, Spain

Dr. David García

Department of Energy, Polytechnic School of Engineering of Gijón,
University of Oviedo, Oviedo, Spain



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/196594

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

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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