



Thermally Driven Renewable Energy Technologies

Guest Editors:

Dr. Sylwia Polesek-Karczewska

The Szewalski Institute of Fluid Flow Machinery, Polish Academy of Sciences, 80-231 Gdańsk, Poland

Dr. Izabela Wardach-Święcicka

The Szewalski Institute of Fluid Flow Machinery, Polish Academy of Sciences, 80-231 Gdańsk, Poland

Deadline for manuscript submissions:

closed (30 November 2024)

Message from the Guest Editors

Research in the area of thermally driven renewable energy technologies, involves a wide spectrum of phenomena. The objective of this Special Issue is to outline heat transfer-related issues which are of importance to novel concepts and progress in today's renewable energy technologies, both low- and high-temperature ones, and contributing to their efficiency and reliability. All types of works are welcome, including mathematical modeling, simulation, and experimental studies, as well as review works. The topics of interest include but are not limited to:

- Heating and cooling;
- Heat transfer intensification;
- Low- and high-temperature heat exchangers;
- Solar collectors;
- Heat pumps;
- Low-emission biomass burners/furnaces;
- Integrated systems;
- Combined systems;
- Thermal energy storage;
- Waste heat utilization.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)