Special Issue

Low Temperature Heat Driven Technologies

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue in Energies. It focuses on harnessing low-temperature heat via advanced thermal systems for generating electrical power, refrigeration, or both with hybrid system configurations. The aim of this SI is to provide insights into the latest developments in heat driven technologies with special focus on low-grade heat utilization. The topics of interest for publication include, but are not limited to: thermodynamic cycles for waste heat recovery; low-grade heat driven refrigeration systems; solar thermal refrigeration; low-grade heat driven ORC systems and their advanced configurations; hybrid cycles; Combined Cooling and Power (CCP) cycles; cogeneration, trigeneration and polygeneration systems; energy and exergy analysis of thermal systems; modelling and simulation of thermal systems; integration of thermal energy storage; heat transfer enhancement; geothermal energy utilization; CFD design and optimization for energy efficiency. We look forward to receiving your paper. Please feel free to contact us if you have any questions.

Guest Editors

Prof. Dr. Siaw Kiang Chou

Department of Mechanical Engineering, National University of Singapore, 9 Engineering Drive 1, Singapore 117576, Singapore

Dr. Fahid Riaz

Department of Mechanical Engineering, National University of Singapore, 9 Engineering Drive, Singapore 117575, Singapore

Deadline for manuscript submissions

closed (31 December 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/85125

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI