

Special Issue

Emerging Technologies and Research on the Heat Transfer and Energy System

Message from the Guest Editors

Heat transfer is almost always accompanied by the generation, storage, transportation, and recovery of energy. An in-depth understanding of the physical mechanism of heat transfer has further promoted its wide application in energy systems. By enhancing heat transfer and improving the utilization and recovery rate of the energy system, the sustainable utilization of energy can be strengthened. Given the significance of heat transfer and energy systems, this Special Issue will focus on topics of emerging technologies and research on heat transfer and energy systems as outlined below. This topical issue is dedicated to the frontiers of heat transfer and energy systems, ranging from emerging technologies and research on heat transfer to relevant industrial applications of energy systems. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Enhanced heat transfer;
- Phase change heat transfer;
- Radiative heat transfer;
- Energy storage;
- Thermal management;
- Thermal metamaterials.

Guest Editors

Prof. Dr. Huaqiang Chu

School of Energy and Environment, Anhui University of Technology,
Ma'anshan 243002, China

Dr. Dongdong Wang

School of Energy and Environment, Anhui University of Technology,
Ma'anshan 243002, China

Deadline for manuscript submissions

closed (17 July 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/163965

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://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, CAPIus / SciFinder, and other databases.

Journal Rank:

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