Special Issue

Thermal Analysis and Thermodynamic Analysis for Advanced New Energy Systems

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers to discuss the relevant issues in thermal analysis and thermodynamic analysis for advanced new energy systems, allowing them to present the latest achievements in new energy utilization technologies as well as to propose corresponding solutions to key technical challenges of new energy systems. This Special Issue encourages original research works and literature review articles on thermal analysis and thermodynamic analysis for advanced new energy systems, with topics including but not limited to the following:

- Designs and thermodynamic analyses of novel new energy systems, including solar energy systems, wind power systems, biomass energy systems, geothermal energy systems, nuclear energy systems, multi energy hybrid systems, etc.;
- Thermal economic analyses of new energy systems;
- Thermodynamic analyses in new energy-based hydrogen production or desalination;
- Flow and heat transfer analyses in new energy systems;
- Energy storage issues in new energy utilization;
- Other thermal analysis and thermodynamic analysis issues in new energy utilization.

Guest Editors

Prof. Dr. Zeshao Chen

Department of Thermal Science & Energy Engineering, University of Science Technology of China, Hefei 230027, China

Prof. Dr. Gang Wang

School of Energy and Power Engineering, Northeast Electric Power University, Jilin 132012, China

Deadline for manuscript submissions

31 December 2024

Entropy

Entropy

mdpi.com/journal/
entropy

About the Journal

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.
Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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), Inspec, PubMed, PMC, Astrophysics Data System, and other databases.

Journal Rank:
JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)