

Special Issue

Methods and Developments for Enhancement of Heat Transfer

Message from the Guest Editor

The main purpose of this Special Issue is to collect the latest findings of outstanding research on the enhancement of heat transfer, focussing on state-of-the-art progress, methods, developments, and new trends. Topics of interest for publication include, but are not limited to, the following:

- Heat transfer increment using nanofluids;
- Heat transport augmentation by utilizing porous media;
- Heat energy enhancement using fluids with large particles suspensions;
- Heat transfer intensification employing flexible seals;
- Heat transport improvement by creating vortex generators;
- Amplification of heat transfer using protrusions;
- Enhancement of heat transfer applying ultra-high thermal conductivity composite materials;
- Optimal design methodologies for maximization of heat transfer augmentation;
- Advanced modelling to improve thermal analysis;
- Thermo-fluid conjugate analysis;
- Advancement of heat transfer in biological systems;

Guest Editor

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Deadline for manuscript submissions

closed (14 July 2023)



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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.

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