

Special Issue

Heat Transfer in Pipe Minichannels: Simulation, Experiment and Application

Message from the Guest Editors

The is inviting submissions to a Special Issue of *Energies* entitled “ Heat Transfer in Pipe Minichannels: Simulation, Experiment and Application”. The heat and mass transfer in small passages follows a different course than in the case of macroscale.

Modeling the flow in small diameter channels faces many difficulties. The influence of the hydraulic diameter on heat transfer and flow resistance is significant here.

This Special Issue will be devoted to innovative techniques to optimize heat transfer in minichannels.

The submitted papers should be based on mathematical modeling, numerical simulations, and experimental research. Topics of interest for the publication include but are not limited to:

- Heat transfer enhancement;
- Phase-change transmission;
- Flow resistance;
- Wave phenomena;
- New designs of compact heat exchangers;
- Numerical modeling;
- Experimental research.

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Deadline for manuscript submissions

closed (15 June 2022)



Energies

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Impact Factor 3.2
CiteScore 7.3



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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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