

Special Issue

Numerical Heat Transfer and Fluid Flow 2024

Message from the Guest Editor

This Special Issue on “Numerical Heat Transfer and Fluid Flow 2024” in the scientific journal *Energies* is addressed to specialists from all over the world who deal with mathematical modeling and experiments on heat and fluid flow. We welcome papers dealing with solutions of problems of scientific and industrial relevance in the broad fields of heat transfer and fluid transportation, including natural resources, biomedical, industrial processes, etc. Papers addressed to the Special Issue will not only solve specific engineering problems but will serve as a catalyst on future directions and priorities in numerical heat transfer and fluid flow. Topics of interest for publication include, but are not limited to, the following:

- Numerical simulations of mass and/or heat transfer
- Computational fluid dynamics
- Experiments and simulations of single or multiphase flows, including Newtonian and non-Newtonian fluids
- Modeling, optimization, and control of heat transfer and fluid flow
- Mini and microflows
- Turbulence
- Modelling of turbulence
- Flowing phase interactions
- Energy saving processes, including an increase or decrease in frictional losses and/or heat transfer.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2024)



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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.

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