



## Numerical Heat Transfer and Fluid Flow 2021

Guest Editor:

**Prof. Dr. Artur Bartosik**

Department of Production  
Engineering, Faculty of  
Management and Computer  
Modelling, Kielce University of  
Technology, 25-314 Kielce,  
Poland

Deadline for manuscript  
submissions:

**closed (25 February 2022)**

### Message from the Guest Editor

Dear Colleagues,

In the era of digital transformation, which includes converting any processes into a quantified format, suitable for future analysis, there is increasing demand on simulations and experiments on heat and fluid flow for a variety of single and multiphase flows, and boundary conditions.

This Special Issue on “Numerical Heat Transfer and Fluid Flow” in *Energies* is addressed to specialists who deal 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. Topics of interest for publication include 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, fluid flow;
- Mini and macro-flows;
- Turbulence;
- Modelling of turbulence;
- Flowing phase interactions;
- Energy saving processes, including heat transfer enhancement and decrease in frictional losses.





# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## 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), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)