## Special Issue

# Advanced Simulation of Turbulent Flows and Heat Transfer

### Message from the Guest Editors

We particularly encourage submissions that utilize artificial intelligence and machine learning in turbulent heat transfer and advanced computational methods, including large eddy simulation (LES), direct numerical simulation (DNS), Reynolds-averaged Navier–Stokes (RANS) models, and hybrid approaches. Topics of interest include, but are not limited to, the following:

- Application of artificial intelligence and machine learning in turbulent heat transfer;
- Turbulent heat transfer in multiphase and porous flows;
- Flow and heat transfer in biological systems;
- Instrumentation and novel fluid measurement techniques;
- Renewable energy;
- Energy storage systems;
- Cooling techniques.

We look forward to receiving your original research papers, empirical studies, or theoretical analyses.

### Guest Editors

Dr. Yasser Mahmoudi Larimi

Dr. Mohammad Jadidi

Dr. Hongbing Ding

Dr. Mohammadhadi Hajilou

### Deadline for manuscript submissions

closed (31 December 2024)

# 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.

### Editor-in-Chief

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