Special Issue

Multiphase Flow in Energy and Process Systems

Message from the Guest Editor

Amidst the global quest to mitigate greenhouse gas emission, the transition to renewable and low-carbon energy and process system, is gaining traction. In these systems, fluid flow is ubiquitous and plays a central role in energy consumption and process optimisation. Therefore, understanding the fundamental characteristics of fluid (single/multiphase/multispecies) flow in these systems is important. While some studies exist, challenges persist due to numerous complexities and wide applications. Furthermore, innovation in these systems has opened new frontiers. I am therefore privileged to invite you to submit research findings, short communications, and state-of-the-art review on topics that include but are not limited to:

- Multiphase flow, metering and flow assurance challenges/solutions in renewable and new energy systems, mobility systems and infrastructure;
- Experimental, computational, and analytical modelling of single and multiphase/multispecies flows in energy/process systems;
- Fluid flow studies that further sustainable production of conventional energy resources.

I anticipate your esteemed contributions.

Guest Editor

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Deadline for manuscript submissions

closed (25 January 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/132324

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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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