Special Issue

Nanoscale Heat Transfer and Fluid Flow, Multiphase Flows, and CFD Research

Message from the Guest Editor

Nanoscale and microscale heat transfer are a research topic that has attracted plenty of interest in recent years. This type of heat transfer can be single or multiphase, including radiation, convection (free, forced or mixed), and conduction. Due to this, world-class researchers are warmly invited and encouraged to submit their findings to this Special Issue, which will include any investigation about the multiphase flow, such as boiling heat transfer, evaporation, fouling and sedimentation investigations, mass transfer, computational fluid dynamic methods, and new findings in novel nanomaterials generation. Additionally, with this Special Issue, we would be interested in investigating more in-depth the complicated characteristics and behavior of nanomaterials in the thermal systems; hence, numerical and experimental investigations are encouraged for submission to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2022)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/42810

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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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