Special Issue

Heat and Mass Transfer Mechanisms in Nanofluids

Message from the Guest Editor

The objective of this Special Issue is to emphasize recent studies on new nanofluids (preparation methods and their stability mechanisms) in order to enhance their heat and mass transfer characteristics, as well their applications in various engineering systems, using numerical and experimental techniques. The stability of nanofluids is essential for maintaining thermophysical properties over a long time after their production. Thus, research on innovative solutions to obtain long-term stable nanofluids, as well as compact and economical engineering systems is particularly relevant. The published papers will be useful for researchers in engineering, chemistry, physics, and mathematics.

Keywords

- heat transfer mechanisms
- mass transfer mechanisms
- conjugate heat and mass transfer
- heat exchangers
- absorption systems

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/131836

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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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