Special Issue

Fluid Flow and Heat Transfer of Nanofluids

Message from the Guest Editors

This Special Issue on “Fluid Flow and Heat Transfer of Nanofluids” seeks high-quality works focusing on the latest novel advances and applications of nanofluids both numerically and experimentally in different engineering geometries. It also aims to address longstanding challenges associated with the synthesis and characterisation of nanofluids and its enhacement mechanisms.

- Numerical simulation and modelling of nanofluid in different engineering geometries
- Macroscale and microscale nanofluids simulation or experimental techniques
- Experimental data on nanofluid flows (internal and external)
- Numerical/analytical solutions of laminar/turbulent boundary layer nanofluid flows
- Heat and mass transfer in nanofluids for Newtonian and non-Newtonian
- Particle shape, thermophoresis, Brownian effects of nanofluid
- Numerical/experimental mechanisms behind nanofluids enhancement
- Steady and transient nanofluid flow problems
- Multiphase nanofluids flow simulations and experiments
- Magnetohydrodynamics and magnetically driven ferrofluid flows

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Deadline for manuscript submissions

closed (15 December 2020)

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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