



Fluid Flow and Heat Transfer of Nanofluids

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Deadline for manuscript
submissions:

closed (15 December 2020)

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 enhancement 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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Message from the Editor-in-Chief

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