

## Special Issue

# Advances in Micro-/Nanoscale Flow and Phase-Change Heat Transfer

### Message from the Guest Editors

This Special Issue aims to aggregate cutting-edge investigations into the fundamental mechanisms, numerical simulations, experimental methods, and practical applications of micro- and nanoscale flow and phase-change heat transfer, thus facilitating interdisciplinary collaboration to overcome existing limitations and outline future research avenues. The purview of contributions includes, but is not limited to, the following areas:

- Fluid dynamics in microchannels and nanochannels;
- Boiling, condensation, and evaporation in micro- and nanoscale confinements;
- Thermal properties of phase-change materials at diminutive scales;
- Interfacial effects and wettability impacts on heat transfer efficiency;
- Thermal management in microelectronics and MEMS/NEMS devices;
- Multiphase flow modeling and simulation at micro- and nanoscale levels;
- Innovative experimental methodologies for micro- and nanoscale thermal-fluid assessments;
- Applications in energy harvesting and cooling systems.

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

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