Special Issue

Advances of Multiphase Computational Fluid Dynamics in Energy Engineering

Message from the Guest Editors

Currently, multiphase flows play a crucial role in numerous industrial processes. The study of multiphase flows spans across both scientific and engineering fields, covering various technological areas, a broad range of scales, and a diverse set of analytical and experimental methods. The goal of this Special Issue is to deepen our understanding of multiphase flows and to develop dependable computational models. To achieve this, both experimental and computational techniques are vitally important. This Special Issue welcomes submissions on a variety of topics, including, but not limited to, the following: computational and experimental methods for multiphase flows, bubbly and droplet flows, particle-laden flows, and turbulence in multiphase flows. We also welcome contributions related to industrial applications, such as reactive multiphase flows, granular media, fluidization, cavitation, nucleation, mixing, collision, agglomeration and breakup, and flow instabilities.

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Editor-in-Chief

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