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# **Modeling of Multiphase Flow Phenomena**

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Deadline for manuscript submissions: **31 October 2024** 

### Message from the Guest Editors

Dear Colleagues,

Multiphase flow phenomena encompass a broad spectrum of physics and engineering sciences dealing with complex processes across a wide range of spatial and temporal scales, and whose elucidation relies on a multitude of analytical, numerical, and experimental methodologies.

This Special Issue invites original contributions related to the description of multiphase flow phenomena, with a special emphasis on recent theoretical and numerical modeling efforts. Prospective authors are invited to submit papers addressing multiphase flows, including liquid–gas and liquid–liquid flows; bubble and droplet dynamics; plasma in dielectrics; microfluidic devices; and others. Topics covered include, but are not limited to:

- Multiphase flow simulation;
- Interface dynamics;
- Atomization;
- Bubble and drop dynamics;
- Bubbly flows;
- Cavitation;
- Interaction of gas, liquids and solids;
- Flow in porous media;
- Microfluidic devices;
- Applications in biomedical and industrial fields.





mdpi.com/si/159300





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### Message from the Editor-in-Chief

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