Scientific Research
Open Access

Open Journal of Fluid Dynamics
ISSN Online: 2165-3860

Special Issue on Multiphase Flows and Processes

Call for Papers

Modeling multiphase flow processes is a complex and still developing subject. It is often an iterative process requiring multiple modeling frameworks to understand different aspects of the flow problem. The underlying physics is still inadequately known and a reactor engineer modeling complex multiphase flow processes often has to complement detailed modeling efforts with validation experiments and data analysis. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Multiphase Flows and Processes**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Multiphase Flows and Processes**. In this special issue, potential topics include, but are not limited to:

- Liquid-gas flows (bubble columns, evaporators)
- Gas-liquid flows (sprays)
- Liquid-solid flows (separation technology, fluidized beds)
- Modeling and numerical simulation of multiphase flow
- Measuring methods for the determination of phase distribution
- Phase properties
- Multiphase flows in process industry

Authors should read over the journal's For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

Please kindly specify the "**Special Issue**" under your manuscript title. The research field "**Special Issue - *Multiphase Flows and Processes***" should be selected during your submission.

Special Issue timetable:

Submission Deadline	September 16th, 2026
Publication Date	November 2026

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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