

Special Issue

Bubble Column Fluid Dynamics

Message from the Guest Editors

The Special Issue aims to collect contributions of the state-of-the-art on the multi-scale fluid dynamics of bubble columns. The main focus of the volume is on bubble column fluid dynamics without and with mass transfer by using theoretical, experimental, and numerical modeling approaches. Contributions concerning (a) bubble size and shapes and (b) flow regime transition prediction and modeling are strongly encouraged.

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Keywords

- multi-phase
- bubble columns
- flow regime
- experimental
- CFD
- Gas holdup
- bubble size and shape
- multi-scale

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Deadline for manuscript submissions

closed (20 September 2018)



ChemEngineering

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CiteScore 4.9



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