

## Special Issue

# The Applications of Computational Fluid Dynamics in Transport Phenomena

### Message from the Guest Editors

We are organizing this Special Issue, which aims to publish studies detailing novel CFD applications for studying transport phenomena. We invite original research and review articles on topics including, but not limited to:

- Validation and verification of novel CFD schemes for heat and mass transfer;
- Models with coupled mechanisms in multiphysics and multiscale chemical processes;
- High-throughput chemical reactor design, optimization and modeling;
- Single- and multiphase Newtonian and non-Newtonian flow;
- Microchannel device and structures;
- Environment- and energy storage-related engineering applications.

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### Guest Editors

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### Deadline for manuscript submissions

25 October 2025



## ChemEngineering

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 29.6 days after submission; acceptance to publication is undertaken in 5.7 days (median values for papers published in this journal in the first half of 2025).