

## Special Issue

# Heat and Mass Transfer: Developments and Insights into Simulations and Experiments

### Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue which aims to present recent advances in the modeling of heat and mass transfer phenomena existing in different scientific areas. Both experimental and computational research studies are very welcome. In this Special Issue, original research articles and reviews are welcome. Topics include (but not limited to) the following:

- Kinetic theory of gases;
- Analysis of non-equilibrium and complex heat and mass transfer phenomena;
- Condensation, evaporation, and adsorption;
- Advanced macroscopic models and moment methods;
- Advanced mesoscale approaches (DSMC, DVM, and the lattice Boltzmann method);
- The role of gas surface interaction in the heat and mass transfer phenomena;
- Transient heat and mass transfer problems;
- Machine learning techniques and data-driven macroscopic modeling associated with heat and mass transfer applications;
- Experimental measurements.

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### Guest Editors

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### Deadline for manuscript submissions

closed (25 June 2025)



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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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