



Computational Modeling of Multiphase Flow (II)

Guest Editors:

Dr. Md. Shakhaoath Khan

Department of Chemical
Engineering, Monash University,
Clayton 3800, Australia

Dr. S M Arifuzzaman

School of Engineering, Design
and Built Environment, Western
Sydney University, Penrith, NSW
2751, Australia

Message from the Guest Editors

This Special Issue, entitled “Computational Modelling of Multiphase Flow”, seeks high-quality works focusing on multiphase process modelling and applications in the mineral and metallurgical industries using advanced computational modelling techniques, such as Computational Fluid Dynamics (CFD), Discrete Particle Simulation (DPM), Direct Numerical Simulation (DNS), the Discrete Element Method (DEM), the Lattice Boltzmann Method (LBM), CFD–DEM, and Graphical Processing Unit (GPU)-based DEM. The scope of this Special Issue includes, but is not limited to:

Deadline for manuscript
submissions:

closed (20 February 2023)

- Particle–particle, particle–liquid, and gas–liquid–particle interactions/flows;
- Particle-scale modelling of particle–fluid flow coupled with heat and mass transfer;
- Rheological properties of particles and techniques for process simulation;
- Metallurgical processes;
- Combustion, pyrolysis, and gasification of biomass;
- Micro- and macro-dynamic analysis and nanotechnology;
- Particle flow, dispersion, and segregation;
- Applications of particle technology;
- Flows in porous media, granular flows, and other flows.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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