

Computational Modeling of Multiphase Flow (II)

Guest Editors:

Dr. Md. Shakhaouth 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:

- 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.

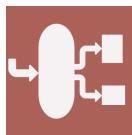
Deadline for manuscript
submissions:

closed (20 February 2023)



mdpi.com/si/90753

Special Issue



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

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Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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