



CFD Applications in Environmental Engineering

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Message from the Guest Editors

Computational Fluid Dynamics (CFD) is an invaluable tool that has been broadly used to test and predict the behavior of gasses, liquids, plasmas, soils, and fluid–structure interactions dealing with the sustainability and resilience of natural ecosystems and urban environments.

The scope of this Special Issue includes, but is not limited to, the following topics:

- Pollution dispersion and mitigation;
- Supersonic flows in combustion and detonation;
- Wave and wind energy generation;
- Inshore and offshore winds;
- Weather forecasting;
- Aerodynamic design of vehicles;
- Percolation and filtering of water;
- CFD in extraterrestrial environments (atmospheres and seas);
- Grid based vs SPH simulations.





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Message from the Editor-in-Chief

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