





an Open Access Journal by MDPI

Computational Fluid Dynamics Simulation: Application in Industries

Guest Editors:

Dr. Mohammad Reza Pendar

Department of Electromechanical Engineering, University of Beira Interior, 6200386 Covilhā, Portugal

Dr. Frederico Miguel Freire Rodrigues

Department of Electromechanical Engineering, University of Beira Interior, 6200386 Covilhã, Portugal

Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editors

The Special Issue "Computational Fluid Dynamics Simulation: Application in Industries" provides a medium for the publication of original research and development work relating to problems in manufacturing and industrial systems that are experienced in the real world, whether through innovative mathematical modelling, innovative applications, or a combination of these. Papers employing existing numerical techniques and models must demonstrate sufficient novelty and efficiency in solving practical industrial problems.

This influential publication covers a wide spectrum of subjects, including modelling of industrial, inventory, manufacturing, and logistics systems for viable decision making; mechanical engineering systems and structures; CFD, fluid mechanics, heat transfer, turbulence, boundary layers, and transport phenomena; free shear layers, fluid transients and wave motion; jets, pumps, and turbines; multiphase flows, bubbly flows, spray flow, and cavitating flow; relevant software engineering issues associated with OpenFOAM, ANSYS, CAD, and CAE; noise and acoustics; electromagnets, electrostatic, plasma flow, and so on.









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. Sustainability publishes original research articles, review articles and communications, I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us