

Special Issue

Recent Advances in Engineering Applications of Computational Fluid Dynamics: 2nd Edition

Message from the Guest Editor

Computational fluid dynamics (CFD) is an approach to solving fluid mechanics problems using computer simulations that has come to be widely used in engineering applications across a range of fields such as aeronautic, civil, environmental, hydraulic, chemical, and mechanical engineering. This Special Issue welcomes original high-quality submissions on engineering applications of CFD, with contributions on novel numerical methods or models, such as machine learning-aided CFD, high-fidelity CFD, turbulence and multiphase flow models, also being welcome.

Guest Editor

Prof. Dr. Zhaosheng Yu

School of Aeronautics and Astronautics, Zhejiang University, Hangzhou 310027, China

Deadline for manuscript submissions

10 March 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/249390

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)