

Special Issue

Computational Fluid Dynamics with Applications

Message from the Guest Editor

The Special Issue of *Mathematics* MDPI on “Computational Fluid Dynamics with Applications” aims to attract research and review papers in a wide range of applications in the computational fluid dynamic (CFD) domain. Recent studies have shown that “in-house” or commercial CFD software has been used to solve many fluid or thermal studies. This Special Issue focuses on the development of an “in-house” CFD software or on the use of commercial CFD software with the development of routines (computational programming) to simulate a specific problem. Application papers with the use of “in-house” or commercial software, which has already been developed, to solve an innovative problem are also welcome. Special attention will be paid applications using all types of fluids, including Newtonian fluids, non-Newtonian fluids (such as shear-thinning fluids, viscoelastic fluids, etc.) or on thermal energy topics, in a steady, transient, or turbulent state.

Guest Editor

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Deadline for manuscript submissions

30 October 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/189819

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).