

Special Issue

Mechanical Application for Fluid Systems and Computational Fluid Dynamics

Message from the Guest Editor

Computational fluid dynamics (CFD) is a power tool that is currently used to investigate a wide range of engineering problems from aerospace to environmental to biological to energy systems, etc. This Special Issue aims to publish high impact research that expands our knowledge about engineering applications of fluid systems and computational fluid dynamics (CFD). We invite high quality research that investigates the underlying physical processes of complex flows through physical experimentations and/or computer simulations in one of the following areas (but not limited to them): clean energy productions; environmental fluid systems; heat transfer; engine and combustion analysis; food processing; and bio-medical applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2022)



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).