

## Special Issue

# Computational Fluid Dynamics in Fluid Machinery

### Message from the Guest Editors

Computational fluid dynamics (CFD) is widely used in the manufacturing of aerospace aircraft, petroleum, chemical, aerospace, water conservancy, agricultural irrigation and other industrial fields. Prof. Ramesh Agarwal is an outstanding representative, and developed the Wray–Agarwal turbulence model.

To celebrate the contributions of Prof. Ramesh Agarwal, we have created a new Special Issue. This Special Issue seeks high-quality original research and review articles with a focus on recent advances in computational research on aerospace design and fluid dynamics. Potential topics include but are not limited to the following:

- Airfoil;
- Aerospace materials;
- Control of unsteady flow in fluid machinery;
- Application of new turbulence models, such as the Wray–Agarwal model;
- Multi-phase flow in fluid machinery;
- Turbulence in fluid machinery;
- Rotating stall;
- Fluid–solid interaction;
- Drag reduction;
- Incompressible and compressible fluids;
- Other relevant topics.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2024)



## Fluids

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## About the Journal

### Message from the Editor-in-Chief

*Fluids* (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

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### Editor-in-Chief

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