# **Special Issue**

# Fluid Dynamics: Mathematics and Numerical Experiment

## Message from the Guest Editors

We cordially invite you to submit your research to this Special Issue. Despite the considerable recent advances in mathematical theory and numerical techniques for fluids, a multitude of challenging issues remain. Given the existing high-intensity investigations, it is very important to present every achievement to the research community, and a logical way to do so is by taking advantage of open-access publishing. This Special Issue in Axioms aims to provide such an opportunity to a wider range of researchers working in Fluid Dynamics. That is why it is our intention to set a wide scope for this Special Issue. Potential topics include but are not limited to:

- fluid dynamics;
- microfluidics:
- hemodynamics;
- fluid-structure;
- numerical methods;
- reasonings asymptotics;
- exact solutions;
- simulation;
- wellposedness;
- stability;
- bifurcation;
- nonlinear dynamics.

## **Guest Editors**

Dr. Andrey Morgulis

Dr. Muhammad Adil Sadiq

Dr. Tatiana S. Martynova

## Deadline for manuscript submissions

closed (31 May 2024)



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# **About the Journal**

# Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of Axioms is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

### Editor-in-Chief

### Prof. Dr. Humberto Bustince

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