



Mathematical Problems in Fluid Mechanics

Guest Editors:

Dr. Dmitriy Prokudin

Lavrentyev Institute of
Hydrodynamics, 630090
Novosibirsk, Russia

Dr. A. V. Zvyagin

Department of Algebra and
Mathematical Methods of
Hydrodynamics, Voronezh State
University, 394018 Voronezh,
Russia

**Prof. Dr. Viktor Grigor'evich
Zvyagin**

Laboratory of Mathematical Fluid
Dynamics, Voronezh State
University, 394018 Voronezh,
Russia

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on recent theoretical research that is related to the mathematical problems associated with fluid mechanics. Thus, we welcome contributions that attend to the following areas of interest: existence and uniqueness theorems, stability questions, regularity criteria, optimal flow control, and novel analytical solutions to Newtonian and non-Newtonian fluid flows.

Deadline for manuscript
submissions:

closed (28 May 2024)





Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

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), RePEc, and other databases.

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)