



Mathematical Dynamic Flow Models

Guest Editors:

Prof. Dr. Fernando Carapau

Departamento de Matemática e
CIMA, Universidade de Évora,
Évora, Portugal

Prof. Dr. Mourad Bezzeghoud

Institute of Earth Sciences,
University of Evora, 7000-645
Évora, Portugal

Prof. Dr. Tomáš Bodnár

Faculty of Mechanical
Engineering (FS), Czech Technical
University, 166 36 Prague, Czech
Republic

Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Mathematics* MDPI aims to attract both theoretical and applied research papers focusing on a wide range of topics in the areas of theoretical and applied mathematical fluid mechanics. This Special Issue is devoted to original research and review papers of high scientific value in all areas of mathematical fluid mechanics and its applications, paying special attention to mathematical models and numerical simulations relevant in various physical, geophysical, chemical, biological, and engineering applications. This issue aims to collect a number of relevant articles in this branch of science, where novelties often appear not only in the theoretical field, but also in the field of applications.

Prof. Dr. Fernando Carapau
Prof. Dr. Mourad Bezzeghoud
Prof. Dr. Tomáš Bodnár
Guest Editors





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, St. Alban-Anlage 66
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)