

Special Issue

Dynamical Systems and Optimal Control

Message from the Guest Editor

The vast majority of papers in this Issue will be devoted to local and nonlocal condition and transference differential equations of heat and mass transference mathematical processes in continuous media with memory and in media with fractal structure. These papers shall investigate modified initial and mixed boundary value problems for generalized transfer differential equations of integral and fractional orders. Additionally, some papers will be devoted to numerical schemes and an alternating direction implicit (ADI) scheme for one-dimensional and two-dimensional time-space fractional vibration equations (FVEs), respectively. Here, the considered time-space FVEs are equivalently transformed into their partial integrodifferential forms with the classical first order integrals and the Riemann–Liouville derivative.

Guest Editor

Prof. Dr. Temirkhan Aleroev

Department of Applied Mathematics, National Research Moscow State University of Civil Engineering, Moscow, Russia

Deadline for manuscript submissions

closed (31 July 2021)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/46017

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).