

# Special Issue

## Dynamical Systems and Their Applications Methods

### Message from the Guest Editor

In the past decades, non-linear phenomena have attracted the attention of researchers across many scientific fields. The development of technological devices and theories have led to new scientific results in the area of dynamical systems. These novel outcomes open new and prospective possibilities in widespread fields of science and engineering. This Special Issue invites papers that focus on recent and novel developments in the theory of dynamical systems and their applications; especially on analytical, numerical, and experimental results showing non-linear phenomena with regular and irregular patterns. This Special Issue will accept high-quality papers containing original research results and survey articles of exceptional merit in the following fields:

- Dynamical systems
- Differential and difference equations
- Chaos, chaos control and anticontrol
- Stability, multi-stability, hidden and self-excited attractors
- Entropy, 0–1 test for chaos, Lyapunov exponent
- Time-series, time series forecasting, and predictability
- Real-world dynamical systems application

### Guest Editor

Prof. Dr. Marek Lampart

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### Deadline for manuscript submissions

closed (31 August 2021)



## Mathematics

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## 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.

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### Editor-in-Chief

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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 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).