Special Issue

Nonlinear Dynamics and Chaos Theory, 2nd Edition

Message from the Guest Editors

In this Special Issue, we aim to present the recent developments in the theory and applications of nonlinear dynamics and chaos, with a special emphasis on stability, bifurcation, chaos, hidden and multi-scroll attractors, image encryption, chaotic circuits, high-speed trains, hydraulic cylinders, neural networks, and environmental protection. This Special Issue will accept high-quality papers containing original research results and review articles of exceptional merit in the following fields:

- Stability, bifurcation and chaos;
- Extreme multi-stability, and hidden and multi-scroll attractors;
- Image encryption and chaotic circuits;
- Neural networks;
- High-speed trains;
- Hydraulic cylinders;
- Mathematical biology.

Guest Editors

Prof. Dr. Youming Lei

Prof. Dr. Lijun Pei

Prof. Dr. Lei Hou

Deadline for manuscript submissions

31 July 2026

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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