

Special Issue

Dynamical Systems in Engineering

Message from the Guest Editor

This Special Issue aims to collect the latest results related to applications of dynamical systems in the mathematical modelling of engineering problems, such as those concerning power system dynamics, material science, energy systems, gas dynamical networks and many more. This Special Issue will accept high-quality papers which have original research results, and its purpose is to bring together mathematicians with engineers and physicists, as well as other scientists. Topics to be covered include, but are not limited to:

- Dynamical systems;
- Differential equations;
- Partial differential equations;
- Dynamical networks;
- Fractional calculus;
- Power systems dynamics;
- Mathematical modelling;
- Gas networks;
- Circuits and signals;
- Materials science;
- Energy systems.

Guest Editor

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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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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).