

Special Issue

Applications of Complex Networks, Mathematical Models and Data Analysis

Message from the Guest Editor

This Special Issue focuses on the application of complex networks, mathematical models and data analysis. This Special Issue will accept unpublished original papers and comprehensive reviews whose scope includes, but is not limited to, the following topics:

- Complex network analysis of time series;
- Link predictability of complex networks;
- Complex dynamical networks: modelling, synchronization and control;
- Complex network analysis algorithm and application;
- Application of complex network analysis in digital humanities, such as text analysis and digital history;
- Interpretation of complex network measures, such as centralities and clustering coefficients, in the context of non-flow-based complex networks (e.g., semantic networks);
- Integration of traditional complex network analysis methods with modern mathematical modeling methods.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2026)



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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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Author Benefits

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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).