

Special Issue

Nonlinear Functional Analysis: Theory, Methods, and Applications

Message from the Guest Editor

Nonlinear analysis, especially variational methods, originate from calculus and classical mechanics, so it has a long history, but abstract functional analysis was first used about 100 years ago. Now, abstract nonlinear functional analysis is applied in a wide range of areas. In this Special Issue, we pay attention to the following topics:

- Periodic solutions to N-body problems and Hamiltonian systems;
- Minimax theory and Ky Fan inequality and applications;
- Convex analysis and non-smooth analysis;
- Variational methods for ODE and PDE;
- Fixed point theory and applications.

Guest Editor

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Deadline for manuscript submissions

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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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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).