

Special Issue

Game Theory and Operations Research

Message from the Guest Editor

This Special Issue of *Mathematics* is dedicated to the intersection of **Game Theory** and **Operations Research**, two fundamental disciplines that provide rigorous tools for analyzing strategic interactions and optimizing complex decision-making processes. We welcome high-quality original research articles, surveys, and methodological advances that explore the theoretical, computational, and applied aspects of game theory and operations research. Topics of interest include, but are not limited to, the following:

- Cooperative and non-cooperative game theory;
- Mechanisms and market design;
- Auctions and matching markets;
- Stochastic and dynamic games;
- Optimization in networked and multi-agent systems;
- Decision making under uncertainty.

By bridging theoretical insights with real-world applications, this Special Issue aims to showcase innovative contributions that push the boundaries of how strategic and operational models can inform better outcomes across industries and institutions. We invite submissions from researchers in economics, mathematics, engineering, computer science, and related fields whose work advances the frontier of these interconnected domains.

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 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).