# Special Issue

# Innovations in Optimization and Operations Research

## Message from the Guest Editors

The Special Issue "Innovations in Optimization and Operations Research" aims to bring together cutting-edge research and novel advancements in the fields of optimization and operations research. This Special Issue seeks to provide a platform for researchers, practitioners, and experts from diverse disciplines to share their innovative ideas, methodologies, and applications in tackling complex problems related to optimization, decision-making, and resource allocation. The scope of this Special Issue encompasses, but is not limited to, the following topics:

- Metaheuristic algorithms and optimization techniques;

- Multi-objective optimization and Pareto frontiers;

- Operations research models and applications;

- Combinatorial optimization and network optimization;

- Stochastic optimization and uncertainty modeling;

- Heuristics and algorithms for complex optimization problems;

- Optimization in supply chain management and logistics;

- Robust optimization and sensitivity analysis;

- Game theory and its applications in optimization;

- Evolutionary algorithms and swarm intelligence;

- Optimization in finance, economics, and engineering;

## Guest Editors

Prof. Dr. Igor Litvinchev

Prof. Dr. Tetyana Romanova

Prof. Dr. Socorro Rangel

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# Mathematics

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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.

### Editor-in-Chief

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