

# Special Issue

## Advanced Optimization Methods and Applications

### Message from the Guest Editors

You are invited to submit papers related to all aspects of optimization algorithms, graph theory, network optimization, location problems, fuzzy optimization, optimal control, machine learning, artificial intelligence, and parallel programming from both theoretical and applied perspectives. Optimization methods are finding more and more applications in all domains, and play an essential role when dealing with real-life problems. Algorithms for such problems are being continuously developed and improved in order to obtain higher-quality solutions within a reasonable time frame. Metaheuristic methods inspired from the behavior of populations of different groups of people or from the behavior of swarms of animals or insects are currently used to solve optimization problems where optimal solutions cannot be obtained using exact methods in a reasonable amount of time. Dr. Adrian Deaconu

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### Guest Editors

Prof. Dr. Adrian Marius Deaconu

Prof. Dr. Petru Adrian Cotfas

Prof. Dr. Daniel Tudor Cotfas

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### Deadline for manuscript submissions

closed (31 January 2023)



## 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.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana  
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).