

# Special Issue

## Optimization Theory and Applications

### Message from the Guest Editors

The theoretical analysis of optimization algorithms is important not only because it confirms the appropriateness of an algorithm. It also provides insight into the algorithm's limitations and hints for future research. In this sense, not only are positive results significant but counterexamples that point out the algorithm's weaknesses are also important. You are cordially invited to submit papers related to all aspects of optimization, both theoretical and applicational. This involves (but is not limited to) linear, quadratic, convex, nonconvex, nonlinear, and integer programming; combinatorial optimization; robust optimization; stochastic programming; quasi-Newton methods; interior point methods; successive quadratic programming; derivative-free methods; approximation algorithms; and evolutionary algorithms. Keyword:

- Optimization
- Optimization applications
- Mathematical programming
- Stochastic programming
- Integer programming
- Approximation algorithms
- Derivative-free optimization
- Robust optimization
- Combinatorial optimization
- Optimality conditions
- Optimal control

### Guest Editors

Prof. Dr. Árpád Bűrmen

Faculty of Electrical Engineering, University of Ljubljana, 1000 Ljubljana, Slovenia

Prof. Dr. Tadej Tuma

Faculty of Electrical Engineering, University of Ljubljana, Tržaška cesta 25, 1000 Ljubljana, Slovenia

### Deadline for manuscript submissions

closed (31 May 2022)



## Mathematics

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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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

School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

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