



## Numerical Optimization in Honor of the 60th Birthday of Marko M. Mäkelä

Guest Editors:

**Dr. Sona Taheri**

School of Science, RMIT  
University, Melbourne, VIC 3001,  
Australia

**Dr. Kaisa Joki**

Department of Mathematics and  
Statistics, University of Turku,  
20014 Turku, Finland

**Dr. Napsu Karmita**

Department of Computing,  
University of Turku, 20014 Turku,  
Finland

Deadline for manuscript  
submissions:

**closed (30 June 2024)**

### Message from the Guest Editors

To advance the field of numerical optimization, this Special Issue aims to bring together state-of-the-art techniques and methods. We invite innovative submissions from all areas of numerical optimization and beyond, with a specific focus on the research interests of Prof. Marko M. Mäkelä. These interests encompass numerical methods for nonsmooth nonconvex optimization, including DC optimization, multiobjective optimization, mixed integer nonlinear programming, and global optimization, as well as the theoretical foundations supporting these methods. Additionally, we are interested in applications within these fields, especially those emerging in the industry.

- numerical optimization methods
- nonsmooth optimization
- nonconvex optimization
- DC programming
- mixed integer programming
- global optimization





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-  
von-Guericke-University, P.O. Box  
4120, D-39016 Magdeburg,  
Germany

## Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

## Author Benefits

**Open Access** : free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility**: indexed within Scopus, ESCI (Web of Science), Ei Compindex, and other databases.

**Journal Rank**: JCR - Q2 (*Computer Science, Theory and Methods*) / CiteScore - Q1 (Numerical Analysis)

## Contact Us

---

*Algorithms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/algorithms](http://mdpi.com/journal/algorithms)  
[algorithms@mdpi.com](mailto:algorithms@mdpi.com)  
[X@Algorithms\\_MDPI](https://twitter.com/Algorithms_MDPI)