



Optimization Theory, Method and Application

Guest Editors:

Prof. Dr. Chao Zhang

Dr. Yanfang Zhang

Dr. Yang Zhou

Prof. Dr. Qiang Ye

Deadline for manuscript
submissions:

20 November 2024

Message from the Guest Editors

Optimization theory, methods and applications play increasingly important roles in our modern society for solving optimization challenges arising from nonsmooth optimization problems, stochastic programming, integer programming, etc. This Special Issue will focus on collecting recent research works on topics such as optimality conditions and duality theory, algorithms and applications for difficult optimization problems, including nonsmooth optimization, stochastic programming, variational inequalities, bilevel programming, etc. Topics of interest include, but are not limited to:

1. Optimality conditions for various optimization problems;
2. Duality theory for various optimization problems;
3. Smoothing algorithms for nonsmooth optimization;
4. Stochastic approximation algorithms;
5. Proximal algorithms for nonsmooth optimization;
6. Cutting plane algorithms;
7. Applications in economics;
8. Applications in transportation;
9. Applications in data mining.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
X@MathematicsMDPI