



Multi-objective Optimization and Applications

Guest Editors:

Prof. Dr. Víctor Yepes

Construction Engineering
Department, Universitat
Politécnica de València, 46022
Valencia, Spain

Prof. Dr. Moacir Kripka

Civil Engineering Graduate
Program, Federal University of
Technology–Paraná, Via do
Conhecimento, Km 1, Pato
Branco 85503-390, Paraná, Brazil

Dr. José Antonio García

Escuela de Ingeniería en
Construcción, Pontificia
Universidad Católica de
Valparaíso, Avenida Brasil 2147,
Valparaíso 2362804, Chile

Deadline for manuscript
submissions:

31 March 2025

Message from the Guest Editors

Dear Colleague,

The use of optimization techniques has become frequent in recent decades. With the development of new methods and the greater availability of computer resources, applications in the most diverse fields of knowledge have spread, from academic banks to the day-to-day running of companies. However, a more realistic approach can be achieved if several objectives are integrated into the process. Thus, an exciting strategy cannot only meet cost requirements, for example, but it also concerns itself with durability, efficiency, reliability, and sustainability. Given that several objectives are involved, which are usually in conflict with each other, new strategies are needed, while new and more complete applications are envisioned. In this sense, the Special Issue, “Multi-objective Optimization and Applications”, aims to provide a platform for the dissemination of knowledge related to multi-objective optimization. Research articles involving efficient and innovative optimization methods and new applications related to the diverse areas of expertise are sought, promoting an exchange of new ideas and trends in relation to the subject.





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](https://twitter.com/MathematicsMDPI)