# Special Issue

# Mathematical Optimization and Decision Making Analysis

## Message from the Guest Editors

In this Special Issue, we delve into the latest advancements, pressing challenges, and promising potential of harnessing mathematical optimization and decision-making analysis across a variety of disciplines. The focus of this Special Issue is on introducing cutting-edge methodologies and ingenious solutions, underlining their indispensable role in today's complex decision-making dynamics. The breadth of topics provides an in-depth exploration of traditional areas such as linear and non-linear programming and multi-objective optimization, alongside more contemporary subjects like fuzzy decision-making, robust optimization, stochastic programming, and evolutionary algorithms that adeptly handle constraints. Moreover, it draws attention to the current trends and developments in machine learning and artificial intelligence, which proceeds to highlight the practical applications of these techniques.

## Guest Editors

Prof. Dr. Youness El Hamzaoui

Engineering College, Carmen Autonomous University, Calle 56, 4, Esq. Avenida Concordia, Col. Benito Juárez, Campeche, Mexico

Dr. Homero Toral-Cruz

Department of Sciences and Engineering, University of Quintana Roo, Blvd Bahía S/N, Chetumal 77019, Mexico

## Deadline for manuscript submissions

closed (30 June 2024)

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# 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.

### 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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