Special Issue

New Advances and Applications Operational Research and Scheduling Theory

Message from the Guest Editor

Operational research and scheduling theory have seen remarkable progress, tackling increasingly complex challenges across various industries. This Special Issue aims to present the latest advancements in methodologies, models, and applications that enhance decision making and efficiency in scheduling, resource allocation, and optimization. Topics of interest include machine scheduling, vehicle routing, supply chain optimization, workforce planning and scheduling, stochastic models, heuristics, and metaheuristics. Special emphasis will be placed on the integration of artificial intelligence, machine learning, and hybrid approaches in solving scheduling and optimization problems. We welcome theoretical studies, novel algorithms, and case studies that demonstrate real-world applications. By bringing together state-of-the-art research, this Special Issue aims to enhance collaboration between academia and industry, fostering joint efforts to tackle modern scheduling and optimization challenges and devise impactful solutions.

Guest Editor

Dr. Felipe F. Baesler

Facultad de Ingeniería, Arquitectura y Diseño, Universidad San Sebastián, Santiago, Chile

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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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