

Special Issue

Computational Methods in Wireless Communication

Message from the Guest Editor

Computational Methods in Wireless Communication is a specialized field that focuses on the development of advanced computational techniques for the design, analysis, and optimization of wireless communication systems. This domain plays a critical role in enhancing the performance, efficiency, and reliability of modern wireless networks by leveraging sophisticated mathematical models, optimization algorithms, and machine learning methodologies. This interdisciplinary domain is indispensable for the evolution of future wireless communication technologies, underpinning innovations in ultra-reliable, high-speed, and intelligent networking systems. We welcome submissions in the following research areas:

- Optimization Techniques
- Machine Learning and AI-Driven Approaches
- Theoretical Modelling and Stochastic Optimization
- Advanced Signal Processing Algorithms
- Quantum Computing and Next-Generation Computational Paradigms

Guest Editor

Dr. Taehyoung Kim

School of Electrical Engineering, Kookmin University, Seoul, Republic of Korea

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

