

Special Issue

Advances in Computational Intelligence and Applications

Message from the Guest Editors

Computational intelligence (CI) is a rapidly evolving field that has been widely adopted across industries to tackle complex, cross-disciplinary challenges. By leveraging advanced algorithms, such as evolutionary computation, swarm intelligence, fuzzy systems, and deep learning, CI has significantly contributed to the optimization and intelligent development of models. It provides innovative solutions for problems that traditional methods struggle to address. Despite the advancements, numerous technical challenges remain, necessitating further exploration and development. This Special Issue serves as a platform for both academic and industry researchers to share new theories, methodologies, and practical insights. We welcome contributions focusing on theoretical advancements, algorithm development, and real-world applications in fields. Furthermore, we encourage research addressing emerging challenges in big data analytics, intelligent systems, and human-machine interaction. We invite researchers and professionals in the field to submit original research, application-oriented studies, or comprehensive reviews related to the theme of this Special Issue.

Guest Editors

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).