Special Issue

Advances in Computational Mathematics and Applied Mathematics

Message from the Guest Editors

Computational mathematics and applied mathematics are two closely related, but each topic has its own emphasis in the field of mathematics. In computational mathematics, most research focuses on numerical analysis and scientific calculation methods. With the development of large-scale computing and parallel computing technology, computational mathematics has shown stronger capabilities in handling large-scale data and complex problems. In applied mathematics, most research focuses on practical applications in various fields. Applied mathematics has made significant breakthroughs in optimization algorithms, data mining, and machine learning, providing strong support for the development and application of science and technology. This Special Issue will provide a platform for researchers to share their latest advances in computational mathematics and applied mathematics, as well as their applications in solving real-world problems. We invite researchers to submit original research articles, reviews, and short communications related to the above topics. All submissions will undergo a rigorous peer-review process, and accepted papers will be published in this Special Issue.

Guest Editors

Dr. Tao Liu

Dr. Fazlollah Soleymani

Dr. Qiang Ma

Deadline for manuscript submissions

closed (18 April 2025)

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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