

Special Issue

Advances in Computational Mathematics and Applied Mathematics, 2nd Edition

Message from the Guest Editors

This Special Issue is a continuation of our previous Special Issue, entitled “Advances in Computational Mathematics and Applied Mathematics”. Computational mathematics and applied mathematics are two closely related fields, each with its emphasis within the realm of mathematics. In computational mathematics, most research focuses on numerical analysis and scientific calculation methods, including interpolation and approximation, numerical methods for differential equations, numerical integration, matrix computation, and linear equation systems. 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, such as physics, engineering, economics, finance, geophysics, computer science, social sciences, biology, and medicine. 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.

Guest Editors

Dr. Tao Liu

Dr. Fazlollah Soleymani

Dr. Qiang Ma

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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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