

Special Issue

Mathematical and Numerical Methods in Biology and Engineering

Message from the Guest Editor

Mathematical models such as partial differential equations have been widely used in biology and engineering to describe the corresponding systems or phenomena, and numerical methods are essential to obtain the approximated solutions for these problems. For complex biological systems or large-scale engineering problems, specially designed mathematical and computational methods are needed in order to obtain accurate solutions efficiently. The aim of this Special Issue is to bring together original research on the development of mathematical and numerical methods to solve mathematical models derived from biology or engineering problems. Submissions addressing the latest development in theoretical analysis of the methods, improvement in computational accuracy and efficiency, and development of new models are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)



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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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Rapid Publication:

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).