

Special Issue

Advances in Mathematical Biology and Applications

Message from the Guest Editor

In recent years, there has been growing interest many exciting developments in the application of mathematics to understand biological systems. Mathematical modeling has been used to study various aspects of biological systems, including gene regulation, cell signaling, epidemiology, population dynamics, and ecosystem interactions. These models have provided insights into the behavior of biological systems, helping to explain the observed phenomena and predict the outcomes of experiments. To further advance the field of mathematics in biological systems, we invite papers that explore new mathematical models, develop innovative techniques for analyzing biological data, or apply existing mathematical tools to address important questions in biology. We welcome papers from a range of disciplines, including mathematics, biology, physics, and computer science, among others. Our goal is to provide a platform for researchers to share their latest findings and insights and to foster collaborations that will lead to new discoveries in this exciting and rapidly evolving field.

Guest Editor

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closed (31 October 2025)



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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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