



## Research on Dynamical Systems and Differential Equations

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### Message from the Guest Editors

Dear Colleagues,

Dynamical systems and differential equations are fundamental areas of mathematics that have been applied in a wide range of fields, including physics, chemistry, engineering, biology, economics, electronics, ecology, epidemiology, neural networks, and many other real-world applications. Dynamical systems refer to a collection of mathematical models that describe the time evolution of physical or abstract systems. Differential equations, on the other hand, are mathematical equations that describe the relationship between a function and its derivatives.

Overall, dynamical systems and differential equations comprise a vibrant and active field with numerous applications and exciting open problems.

Therefore, this Special Issue aims to collate findings of mathematicians, biologists, physicists, epidemiologists, engineers, economists, ecologists, mechanists, and other scientists for whom dynamical systems and differential equations are valuable research tools.





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## 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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