

Special Issue

Research on Dynamical Systems and Differential Equations

Message from the Guest Editors

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.

Guest Editors

Dr. Ahmadjan Muhammadhaji

1. College of Mathematics and System Sciences, Xinjiang University, Urumqi 830017, China

2. The Key Laboratory of Applied Mathematics of Xinjiang Uygur Autonomous Region, Xinjiang University, Urumqi 830017, China

Dr. Maimaiti Yimamu

College of Mathematics and System Sciences, Xinjiang University, Urumqi 830017, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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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.

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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