

Special Issue

Advances of Numerical Methods for Dynamical Systems

Message from the Guest Editor

Dear Colleague, The theory of dynamical systems finds applications in a wide variety of fields, such as mathematics, engineering, physics, biology, chemistry, economics, and social sciences. Evolution equations governing dynamical systems in general do not admit analytic solutions. Reliable numerical schemes are, therefore, needed to approximate solutions and investigate the asymptotic behavior of complex evolutionary systems. This Special Issue aims to publish original high-quality research articles on advanced numerical methods for dynamical systems. The Special Issue plans to accept papers utilizing numerical tools to simulate dynamical systems occurring in natural processes and engineering. The evolution equations of interest include difference equations, ordinary differential equations, partial differential equations, stochastic differential equations, and fractional differential equations.

Guest Editor

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Deadline for manuscript submissions

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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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Prof. Dr. Francisco Chiclana

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