Special Issue

Recent Advances in Delay Differential and Difference Equations

Message from the Guest Editor

Delay differential and difference equations are frequently used as mathematical models in various fields of physics, engineering, economics, and biology. The topics of this Special Issue include recent qualitative and quantitative results of this field in a broad sense. They include discrete and continuous dynamical systems, differential equations with state-dependent delays, neutral differential equations, integro-differential equations, stochastic differential and difference equations, numerical simulations of the solutions, as well as applications related to the previous classes of equations. Some possible research topics are listed in the keywords:

- Delay differential and difference equations
- Discrete and continuous dynamical systems
- Advanced argument
- Applications
- Asymptotic behavior
- Bifurcations
- Control
- Numerical simulation
- Oscillation
- Parameter estimation
- Periodic solutions
- Population models
- Positive solutions
- Stability

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Deadline for manuscript submissions

closed (30 June 2021)

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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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