Advances in Differential and Difference Equations and Their Applications

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Message from the Guest Editors

We are editing this Special Issue, "Advances in Differential and Difference Equations and Their Applications", for the journal of *Mathematics* with the goal of reporting the latest developments and achievements in related research areas. Our aim is to bring together senior and young researchers to publish their original research articles on differential and difference equations and their many real-world applications.

Topics of interest include, but are not limited to:

- Existence theory in boundary and initial value problems.
- Spectral theory.
- Stability theory.
- Complex networks.
- Stochastic/deterministic models.
- Fractional calculus and differential equations.
- Qualitative analysis of solutions.
- Mathematical modeling.
- Applications for real-world problems.

We cordially invite you to contribute a paper to this Special Issue.

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Special Issue

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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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