Recent Advances in Theory and Application of Dynamical Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

Using functional analysis, topological and algebraic approach to study dynamic systems has become more and more important in the dynamic systems theory and has drew a great interest to many researchers recently. On the other hand, modeling with dynamic systems have been widely used to describe the dynamical behaviors in almost all areas of science and engineering. This Special Issue invites papers on innovative proposals of theory and application of dynamical systems. This proposal aims to publish results of recent developments in Dynamical Systems, and new applications to engineering, physics, medicine, and economics.

Potential topics include but are not limited to:

- New theories in dynamic systems;
- Qualitative behaviors of dynamic systems;
- Dynamics properties include stability, bifurcation, and chaos;
- Numerical methods for dynamic systems;
- Simulation analytics in dynamic systems;
- New modeling and technology for dynamic systems in science and engineering.

Special Issue

Editor-in-Chief

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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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