

Special Issue

Nonlinear Dynamical Systems: Modeling, Control and Applications

Message from the Guest Editors

This Special Issue aims to explore the multiple applications of dynamical systems in engineering sciences [biomedical, chemistry, control, electric, electronic, mechanical, etc.]. Mathematical modeling, analysis, control, and simulation are critical steps to fully understand both the short- and long-term behavior of a dynamical system; this allows us to evaluate its performance under different scenarios [initial conditions, parameter values, and disturbances] and their suitability to solve real-life problems. We are pleased to invite you to contribute to an exciting and fascinating topic, where nonlinear control theory can be the main tool for solving the most challenging engineering problems, from cancer to robotics, from energy efficiency to underwater vehicles, from biochemical reactors to disease-spreading modeling, and more. Please reach us if you have questions about your submission.

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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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