Applied Mathematical Modelling and Dynamical Systems

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Message from the Guest Editors

We are pleased to announce a Special Issue of the journal *Mathematics* entitled "Applied Mathematical Modelling and Dynamical Systems". Many problems in our society are solved several times through the construction of little bridges connecting different branches of Mathematics. Dynamical systems can model many different phenomena in nature and society. The goal of all theoretical studies is to analyze and understand processes often related to different fields of application such as control theory, bifurcation theory, population dynamics, networks, synchronization phenomena, electronics, physics, mechanics, economics, biology, and ecology, among so many others.

This Special Issue welcomes original research articles, short communications, and review papers. Potential topics include theoretical studies as well as analyses of applied models related to all the fields cited above.

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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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