Nonlinear Differential Equations and Dynamical Systems: Theory and Applications

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Message from the Guest Editors

Nonlinear differential equations, dynamical systems, and related topics are particularly trendy topics at present, as they have had wide and significant applications in many fields of Physics, Chemistry, Engineering, Biology or even Economics, in general, and Mathematics, in particular.

In addition, they can be approached using several different methods and techniques. As examples, we can refer to variational and topological methods, fixed point theory, initial and boundary value problems, continuous and discrete dynamical systems, qualitative theory, stability theory, the existence and control of chaos, and the existence of attractors and periodic orbits, among others.

In this Special Issue we propose to collect some state-of-the-art results that can contribute effectively to these areas.

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