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Recent Advances in Differential Equations and Applications

Guest Editors:

Prof. Dr. Juan Ramón Torregrosa Sánchez
Institute for Multidisciplinary Mathematics, Universitat Politècnica de València, 46022 València, Spain

Prof. Dr. Alicia Cordero
School of Telecommunications Engineering, Universitat Politècnica de València, 46022 Valencia, Spain

Prof. Dr. Juan Carlos Cortés López
Department of Applied Mathematics and Institute for Multidisciplinary Mathematics (im2), Universitat Politècnica de València, 46022 Valencia, Spain

Message from the Guest Editors

Differential equations play a key role in modelling the dynamics of many phenomena belonging to different realms including physics, chemistry, finance, and social sciences. Since their classical formulation, via ordinary derivatives, a number of other classes of differential equations have been proposed, such as delay, fractional, functional, or integro-differential equations. The mathematical and numerical analyses of all these types of differential equations are still a hot topic in mathematics. This interest increased when the aforementioned types of differential equations consider the randomness often present in mathematical modelling, which lead to random and stochastic differential equations.

In this Special Issue, we encourage submissions providing new results in the setting of differential equations and their applications.

Deadline for manuscript submissions:
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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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