

Special Issue

Recent Advances in Differential Equations and Applications

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.

Guest Editors

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Deadline for manuscript submissions

closed (24 February 2023)



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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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