

Special Issue

Theory and Applications of Fractional Equations and Calculus

Message from the Guest Editors

With the developments in mathematics and information processing technologies, fractional methods—which include fractional calculus, fractional Fourier analysis, and fractional equations—are becoming increasingly important in the field of mathematics and applied mathematics. They stimulate new ideas and methods in addition to enabling the extension of numerous applications in an increasing number of fields, including applied mathematics, information, and engineering. Although these new kinds of fractional methods have brought many advantages as compared with the classical methods, there are still a series of key problems to be solved. Therefore, the purpose of this Special Issue is to focus on the recent achievements and future challenges regarding the theory and applications of fractional equations and fractional calculus.

Guest Editors

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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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