

Special Issue

Applications of Fractional Calculus in Modelling of Viscoelastic Systems

Message from the Guest Editors

Fractional calculus has been widely adopted in all related fields of science and engineering because of its advantages of simulating memory, nonlocality, spatial heterogeneity and anomalous diffusion. Thus, fractional differential equations (FDEs) are favored by many scholars in numerous fields, such as physics, materials, biology, chemistry, signal and image processing, finance, and so on. This Special Issue aims to advance research on topics relating to the theory, modelling, method, implementation, and application of fractional calculus in complex systems, e.g., viscoelastic systems, soft matter, non-Newtonian fluids. Submissions of original research articles, comprehensive review papers, reports and letters are all welcome. Topics that are invited for submission include (but are not limited to): Mathematical modelling of fractional calculus in complex systems, e.g., viscoelastic systems, soft matter, non-Newtonian fluids; analytical or semi-analytical solutions of fractional PDEs and ODEs; numerical methods involved in fractional calculus; numerical analysis of fractional problems solved by numerical schemes, etc.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Fractal and Fractional (*Fractal Fract.*) is a scholarly online journal which provides a forum for discussion on new original models and methods in fractals and fractional calculus both from theory and applications. It is a peer-reviewed, open access journal that publishes high quality original research articles, review papers and short communications.

Editor-in-Chief

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