Special Issue

Fractional Evolutionary Equations and Modeling of Dissipative Processes

Message from the Guest Editors

The Special Issue is devoted to the application of fractional-order evolutionary differential equations to the description of dissipative systems and processes. Generally, a dissipative system is understood as any open (non-conservative) system located far from the state of thermodynamic equilibrium. Dissipative processes include various irreversible thermodynamic processes, mass, electrical and heat transfer, mechanical motion of damped systems, chemical reactions, radiation and absorption of electromagnetic waves, etc. Particular attention will be paid to the study of initial and boundary value problems for partial differential equations of fractional order, which are the basis for mathematical models of dissipative systems and processes.

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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.

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