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# Fractional Differential Equations: Advanced Results for Cases with Singularities

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# **Message from the Guest Editors**

Dear Colleagues,

Fractional differential equations are being applied in medicine (modelling of human tissue under mechanical loads), (bio)chemistry (modelling of polymers and proteins), mechanics (theory of viscoelasticity), electrical engineering (transmission of ultrasound waves), etc.

The aim of this Special Issue is to present some of the recent developments in the theory, methods, and applications of certain particularly important special cases which will demonstrate a rich variety of phenomena that may be encountered in the investigation of regular and singular fractional differential equations. Singular equations will lead to solutions with properties that differ substantially from those that we have seen for regular problems.

The key objective of this Special Issue is to provide novel developments that may inspire advances or be used for the construction of numerical methods for fractional differential equations.



