

Special Issue

Fractional Differential Equations, Inclusions and Inequalities with Applications: 3rd Edition

Message from the Guest Editor

In the last few decades, fractional differential equations, inclusions, and inequalities have been studied extensively. Indeed, fractional derivatives and integrals provide a much better tool for describing the memory and hereditary properties of various materials and processes than integer derivatives. Engineers and scientists have developed new precise models that involve fractional differential equations and inequalities. These models have been applied successfully, e.g., in physics, biomathematics, blood flow phenomena, ecology, environmental issues, viscoelasticity, aerodynamics, electrodynamics of complex medium, electrical circuits, electron-analytical chemistry, control theory, etc. This Special Issue will offer a collection of articles that reflect the latest mathematical developments in fractional differential equations, inclusions, and inequalities, along with their applications.

Keywords

- fractional differential equations
- fractional differential inclusions
- fractional inequalities
- boundary value problem
- existence

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Deadline for manuscript submissions

31 December 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/240274

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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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