

Special Issue

Recent Research on Fractional Calculus: Theory and Applications

Message from the Guest Editors

Fractional calculus is a theory that unifies differential and integral operators of arbitrary (integer and non-integer) orders to form differintegral operators. The theory is becoming more attractive due to its applicability to real-world problems, such as describing biological phenomena that are memory-dependent. The aim of this Special Issue is to contribute advancements in fractional calculus, both from theoretical and applicational points of view. We welcome papers on the following topics:

- Properties of fractional operators defined by new kernels functions;
- Static and dynamic optimization methods based on fractional operators;
- Fractional nonlinear dynamical systems and control;
- Mathematics of infectious diseases by fractional operators.

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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