

# Special Issue

## Recent Advances in Fractal and Fractional Calculus

### Message from the Guest Editor

The theories of fractal geometry, fractional calculus and fractional differential equations are active fields of research for many mathematicians. Fractional calculus and fractional differential equations, which emerged as the most important field of applied mathematics in the recent century, can be viewed as a special part of the theory of (abstract) Volterra integro-differential equations. Additionally, discrete fractional calculus, discrete fractional differential equations and discrete Volterra equations are rapidly growing fields of research. Discrete fractional calculus is important in the modeling of various phenomena concerning complex dynamic systems, frequency response analysis, image processing, interval-valued systems and neural networks, etc. The main purpose of this Special Issue is to present the recent developments in the theory of fractals, fractional calculus and fractional integro-differential and integro-difference equations. Thus, we encourage authors to submit papers on the applications of fractals and fractional integro-differential equations.

### Guest Editor

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### Deadline for manuscript submissions

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## Mathematics

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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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### Editor-in-Chief

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