



Metric Spaces with Its Application to Fractional Differential Equations

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Message from the Guest Editors

Metric space and fixed point theorems in metric spaces are powerful tools in applied mathematics. Metric space has been proven to be a very interesting topic for researchers who work in fixed point theory. The existence of a solution of differential and integral fractional equations has been proved using the metric space and the fixed point techniques.

This Special Issue invites and welcomes review, expository, and original research papers addressing state-of-the-art developments in pure and applied mathematics via fractals and fractional calculus, along with their wide-ranging applications in the physical, natural, computational, environmental, engineering, and statistical sciences, all mixed with fixed points techniques. This Special Issue is dedicated, but not limited, to the following topics of interest:

- Metric spaces;
- Fixed points theorems;
- Well-posedness;
- Stability;
- Fractional differential equations with different kernels;
- Fractal patterns;
- Statistical convergence;
- Decision-making problems;
- Numerical and computational methods;
- Mathematical physics;
- Mathematics in biology;
- Intuitionistic fuzzy relations.