

Special Issue

Advances in Fractional and Fractal Boundary Value Problems in Applied Sciences

Message from the Guest Editors

Extensive studies have been focused on fractional calculus in recent years due to its capacity to model complex phenomena more efficiently. The advantages of fractional modeling have been visualized in many engineering and scientific disciplines. The fractal boundary value problems for the Fredholm and Volterra integral equations, heat conduction, and wave equations have taken much interest recently. Fractals are applied in many engineering implementations such as porous media modelling, nano fluids, fracture mechanics, and many other implementations in nanoscale. The local temperature relies on the fractal dimensions where adequate physical results can be obtained by the implementation of local fractional models and relevant solution approaches for the transport phenomena applied in fractal objects. We aim to combine the fractional order and fractal dimension in boundary value problems, and we would like to get new interesting solutions of the problems. This Special Issue is devoted to uncovering leading investigators' recent work in the above areas of fractional and fractal calculus.

Guest Editors

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Message from the Editor-in-Chief

Editor-in-Chief

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