## **Special Issue**

### Newly Developments in Fractional Laplacian: Numerical Methods and Inverse Problems

### Message from the Guest Editors

During the past few decades, scientists have been exploring fractional calculus as a tool for developing more sophisticated but mathematically tractable models. The reason is that they can accurately describe complex physical phenomena, manifesting in longrange and nonlocal interactions, self-similar structures, sharp peaks, and memory effects. More and more people are accepting the fractional model as a promising remedy to the traditionally inaccurate integerorder model in many exciting applications. However, the efficient computation of this model on bounded domains is still challenging as highly accurate and efficient numerical methods are not yet available, which prevents its broader applications among the scientific and engineering community. This Special Issue will focus on recent developments in numerical methods, also welcomes the submission of PDE theory involving the new regularity results, and inverse fractional problems on model learning via optimal control and machine learning techniques.

### **Guest Editors**

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

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