Interplay between Fractional Differential Equations and Stochastic Processes

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

Dear Colleagues,

The link between probability theory and fractional differential equations has been a considerably robust research topic for several years.

Time-changed stochastic processes, fractional differential equations, anomalous diffusions, and continuous-time random walks are all interrelated according to well-established theories. Many applications have been developed in statistical physics, economics, and applied sciences.

This Special Issue aims to collect recent viewpoints on the above topics. Some examples of possible research themes include, but are not limited to, the following topics:

- Probabilistic interpretation and properties of solutions for (possibly new) fractional differential equations;
- New types of time-changed processes and continuous-time random walks;
- Deepening on anomalous diffusions and related problems in statistical mechanics;
- Applications in various fields, including physics, economics, and engineering.

Dr. Costantino Ricciuti
Guest Editor

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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