



## Fractional Order Systems: Deterministic and Stochastic Analysis

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editor

Dear Colleagues,

We strictly invite, via this open call for papers, strong interesting contributions providing original results which have been obtained from modern computational techniques of theoretical, experimental, and applied aspects of both deterministic and stochastic fractional dynamic systems. Topics to be included are:

- Appropriate fractional derivative senses in applied sciences;
- Computational methods for fractional dynamical systems;
- Fractional inverse problems: modeling and simulation;
- Cancer dynamic fractional systems: optimality and modeling;
- Optimal control for fractional models of HIV/AIDS infection;
- Latest advancements on COVID-19 pandemic fractional systems;
- Continuous and discrete fractional systems with randomness;
- Uncertainty quantification for random fractional dynamic systems;
- Stochastic analysis for fractional mathematical models;
- Instantaneous impulsive fractional equations and inclusions;
- Applications of fractional problems in science and engineering;
- Implementation methods and simulations for fractional models;
- Fractional reaction-diffusion and Navier–Stokes equations;
- ...

