# **Special Issue**

# Stochastic Processes and Random Fields

## Message from the Guest Editor

Many practical problems in hydrodynamics, physical oceanography, physics of the atmosphere, and other areas of science are formulated in terms of stochastic differential equations (SDEs) or stochastic partial differential equations (SPDEs); for example, investigating passive scalar evolution in a random velocity field or modeling Lagrangian motion in stochastic flows. Not less important is the inverse problem: estimating parameters of velocity and dissipation under observations of a passive scalar or Lagrangian trajectories. This Special Issue addresses forward and inverse problems in SDEs and SPDEs with possible applications in any area of science and engineering.

## **Guest Editor**

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## Deadline for manuscript submissions

closed (10 January 2022)



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## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

### Editor-in-Chief

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