

# Special Issue

## Stochastic Differential Equations and Applications

### Message from the Guest Editors

The welcome papers on stochastic differential equations either with one variable or more which describe an application either for physical sciences or from economics (for example, Brownian motion problems or stock-price problems). The theoretical developments of such problems either from analysis, numerical analysis, or even from stochastic processes are very welcome. The problems in analysis considering Ito–Stratonovic integrals or the investigation of the probability distribution function of the solution process will be appreciated. In principle, applications can cover probability and mathematics; in addition, we would appreciate an algorithm describing solutions rather than the existence of the solution. It is our pleasure to invite authors to contribute to this Special Issue by submitting research articles that will be subject to rigorous peer review, aiming to contribute to the development of relevant research in this field.

### Guest Editors

Dr. Ioannis S. Stamatiou

Department of Surveying and Geoinformatics Engineering, University of West Attica, 12243 Athens, Greece

Prof. Dr. Christos P. Kitsos

School of Engineering, University of West Attica, 12243 Egaleo, Greece

### Deadline for manuscript submissions

30 January 2026



## Mathematics

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*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

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