

# Special Issue

## Probability, Statistics and Applied Mathematics

### Message from the Guest Editors

This Special Issue aims to attract both theoretical and experimental research papers on a wide range of domains in the areas of Probability and Statistics. It is also devoted to original papers of high scientific value in all areas of applied mathematics, paying special attention to statistical and mathematical methods that are relevant to Biology, medical and biomedical sciences, computer science, economics, social sciences, engineering, and industry. The topics including, but not limited to: (i) asymptotic distributions; (ii) actuarial mathematics; (iii) computational mathematics; (iv) distributions theory; (v) experimental design; (vi) extreme value theory; (vii) linear and non-linear models; (viii) mathematical biology; (ix) mathematical epidemiology; (x) mathematical genomics; (xi) mathematics in industry; (xii) machine learning and big data; (xiii) multivariate analysis; (xiv) nonparametric statistics; (xv) probability and stochastic processes; (xvi) risk analysis; (xvii) symmetry in probability distributions; (xviii) statistical inference; (xix) statistical inference under symmetry; (xx) statistical modeling; (xxi) time series analysis.

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### Guest Editors

Prof. Dr. Célia Nunes

Prof. Dr. Miguel Fonseca

Prof. Dr. Elsa Moreira

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### Deadline for manuscript submissions

closed (31 January 2022)



## Symmetry

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

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## About the Journal

### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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### Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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