

# Special Issue

## Application in Computational Statistics and Data Science

### Message from the Guest Editor

Computational statistics designates efficient methods to obtain numerical solutions to statistically formulated problems. In this special edition, we will present a variety of computationally intensive statistical techniques with applications to real data. The topics include numerical optimization in statistical inference, generation of random numbers, Monte Carlo methods, randomization methods, jackknife methods, bootstrap methods and extensions of regression models in general. On the other hand, data science is a multidisciplinary field of science that involves computation techniques, applied mathematics, artificial intelligence (machine learning, neural networks), statistics and optimization, with the aim of analytically resolving complex problems, employing large datasets as the core of operations. This Special Issue is being planned to promote research into modern and sophisticated computationally intensive statistical techniques and data science methods with varied applications.

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### Guest Editor

Prof. Dr. Edwin Moises Marcos Ortega  
Department of Exact Sciences, University of São Paulo, São Paulo,  
Brazil

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### Deadline for manuscript submissions

31 January 2025



## Mathematics

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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

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