



## Advancements in Statistical Modeling: Innovations, Extensions, and Practical Applications

Guest Editors:

**Dr. Carolina Marchant Fuentes**

Faculty of Basic Sciences,  
Universidad Católica del Maule,  
Talca 3480112, Chile

**Dr. Helton Saulo**

Department of Statistics,  
University of Brasilia, Brasilia,  
Brazil

Deadline for manuscript  
submissions:

**closed (31 October 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue endeavors to be a vital conduit for the dissemination of innovative approaches to statistical modeling and their potential applications. We invite submissions that span a spectrum of facets, encouraging contributions in cutting-edge advancements, extensions, and real-world applications within the expansive realm of statistical modeling. Topics of interest include advanced statistical models, multivariate analysis, predictive modeling, machine learning in statistics, Bayesian statistics, non-parametric models, semi-parametric models, time series analysis, spatial statistics, model extensions, econometric models, model validation and interpretation, statistical software and tools, interdisciplinary approaches in modeling, and robust statistical techniques. Your insights and contributions will contribute to the continual evolution of this dynamic field.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Francisco Chiclana**  
School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)