

# Special Issue

## Computational Statistics with Applications

### Message from the Guest Editor

In recent years, the growing complexity of data and the increasing demand for accurate, efficient, and scalable analysis methods have significantly elevated the importance of computational statistics, also known as statistical computing. This field lies at the intersection of statistical theory, numerical computation, and data-driven applications, enabling the extraction of meaningful insights from complex and high-dimensional datasets. Computational statistics encompasses a wide range of computational techniques, including Monte Carlo methods, numerical optimization, Bayesian computation, machine learning, and high-performance statistical computing. These tools play a critical role in modern statistical analysis and are widely used in applications such as biostatistics, finance, environmental science, image and signal processing, social sciences, and engineering. This Special Issue aims to bring together original research articles and comprehensive reviews that highlight recent advances in computational statistics and their practical applications.

### Guest Editor

Dr. Minwoo Kim

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### Deadline for manuscript submissions

31 March 2026



## Mathematics

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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.

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### Editor-in-Chief

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