

# Special Issue

## Advanced Statistical and Machine Learning Approaches for High-Dimensional Biomedical Data

### Message from the Guest Editor

Recognizing the growing complexity and volume of biomedical data, this Special Issue seeks contributions that present novel methodological advancements in statistical learning and machine learning algorithms (including deep learning) specifically tailored for handling the challenges inherent in high-dimensional datasets.

We encourage submissions that focus on the development of innovative models, algorithms, and frameworks, as well as their practical application to extract meaningful insights from complex biomedical data such as genomics, imaging, and clinical records. Topics of interest include the creation of interpretable models, the development of robust feature selection methods, the integration of diverse data sources, and the rigorous validation of predictive and inferential models with clear relevance to biological discovery and clinical translation.

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### Guest Editor

Dr. Jingyi (Ginny) Zheng

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### Deadline for manuscript submissions

26 February 2026



## 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

Prof. Dr. Francisco Chiclana

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