Special Issue

Statistics and Stochastic Modeling in Bioinformatics and Computational Biology

Message from the Guest Editor

The integration of statistics and stochastic modeling into bioinformatics and computational biology has profoundly influenced research in biology, medicine, and other life sciences. Advances in these fields have led to the development of statistical and probabilistic methods that address unique challenges, such as high-dimensional data analysis, modeling of complex biological systems, and predictive modeling in noisy environments. The Special Issue is to showcase the role of statistical techniques and stochastic modeling in addressing biological problems. Submissions showcasing theoretical advancements, innovative algorithms, or practical case studies are welcome. Topics of interest include, but are not limited to, computational statistics, machine learning, and nonparametric methods in biology. The scope is broad, and we encourage researchers to submit their work if they believe it is relevant to the overarching theme of statistics and stochastic modeling in bioinformatics and computational biology. This Special Issue is expected to bring together leading researchers and practitioners to provide new insights and practical solutions for the challenges faced in these fields.

Guest Editor

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MDPI

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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