Biostatistics and Stochastic Process Analysis

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Message from the Guest Editor

Dear Colleagues,

This Special Issue on "Biostatistics and Stochastic Process Analysis" marks a major step forward in the convergence of mathematical statistics, biology, and medicine. This edition focuses on how advanced statistical methods can deepen our understanding of biological processes and enhance health outcomes.

Biostatistics is crucial for designing biomedical research and analyzing data from clinical trials, observational studies, and genomics. It is essential for interpreting complex datasets, allowing researchers to draw dependable conclusions about health risks and the effects of treatments. Integrating stochastic process analysis into this domain introduces a more profound mathematical structure that models the inherent randomness in biological systems and the progression of diseases.

By compiling the latest methodologies and their applications, this Special Issue strives to enrich our understanding of how stochastic processes and biostatistical methods can be collaboratively employed to tackle significant issues in biology and medicine.

Special Issue

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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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