

Special Issue

Computational Approaches for Data Inspection in Biomedicine

Message from the Guest Editors

In recent decades, the rapid development of high-performance technologies has produced an explosive growth of digitized medical data, including radiology images, omics data, laboratory test results, and medical and personal statistics. The main aim of this Special Issue is to introduce and discuss major problems for the preprocessing, analysis, and interpretation of biomedical data, to review the state-of-the-art of mathematical and computational approaches for biomedical applications, and to explore current and emerging algorithms and techniques able to unravel patterns, associations and correlations in large amounts of biomedical datasets. Keywords Topics of interest include but are not limited to: Low-rank methods for biomedical data; Feature extraction and selection algorithms in biomedical data; Anomaly detection methods for biomedical applications; Clustering algorithms applied to omics and biomedical data; Bioimaging for omics data; Optimization and machine learning algorithms for biomedical data.

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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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