

Special Issue

Emerging Trends in Bioinformatics and Computational Biology

Message from the Guest Editor

We welcome high-quality original research papers, reviews, and perspective articles that explore current challenges and breakthroughs in the computational analysis of molecular data. Topics of interest include, but are not limited to, the following:

- Novel algorithms and computational methods for molecular data analysis;
- Advances in genomics, transcriptomics, proteomics, and metabolomics;
- Multi-omics data integration and systems-level insights;
- Computational modeling of molecular mechanisms and regulatory network inference;
- Applications of machine learning, deep learning, and AI in bioinformatics;
- Missing value imputation and change-point detection;
- Big data approaches for molecular biology research;
- Novel methods for molecular diagnostics, precision medicine, and therapeutics;
- Data visualization and mining techniques for high-dimensional molecular data.

This Special Issue aims to bring together contributions from worldwide researchers in the fields of bioinformatics and computational biology. Submissions should provide new insights, introduce transformative methods, or present impactful applications that deepen our understanding of molecular biology through computational innovation.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPlus / SciFinder, FSTA, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.