

Special Issue

Advances in Computational Biology and Systems Pharmacology: Machine Learning, Modeling, Systems Analysis and Simulation

Message from the Guest Editor

Biology is complex information process system and hard to understand or predict without the aid of computational or theoretical tools. Meanwhile, the unique challenges embedded in biological systems continuously trigger the development of novel methodologies. In this Special Issue, we would like to introduce the recent advances, cases studies, perspectives and discussions from the biological, pharmaceutical and clinical communities; examine how different tools, such as machine learning, modeling, systems analysis and simulation, have been used to tackle biological complexity and how the synergistic combination of different tools have emerged as tools with unforeseen power; and discuss the current challenges and future perspectives of computational biology and systems pharmacology.

Guest Editor

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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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