Special Issue

Computational Methods for Biological Modeling and Simulation

Message from the Guest Editors

Artificial intelligence, computer simulation, and modeling are of great importance in understanding biological problems. Nowadays, artificial intelligence and mathematical modeling are becoming more important in biology and medicine. This Special Issue aims to focus on the contributions of mathematical models in biological research. This Special Issue seeks papers with novel ideas. By modeling or simulating intricate biological systems, articles should offer fresh biological, biochemical, or medicinal insights. Studies that combine computational, theoretical or both experimental and computational methods are invited. Studies describing integrative research in mathematics, statistics, medicine, and biological systems are also encouraged, as well as contributions that discuss cutting-edge computational, theoretical, and mathematical approaches to solving pertinent biological problems. Authors are invited to contribute to this Special Issue on many facets of artificial intelligence creation, study, and use in current biological and medical applications.

Guest Editors

Dr. Dariusz Świetlik

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Deadline for manuscript submissions

closed (30 November 2024)

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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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