Special Issue

Numerical Simulations and Machine Learning Algorithms of Complex Environmental and Medical Systems

Message from the Guest Editor

Mathematics plays a vital role in environmental science, acting as an invisible architect that helps us understand and protect the natural world. It provides essential tools for modeling environmental processes, analyzing data, and making informed decisions to address a wide range of environmental challenges. Applied mathematics is an incredibly powerful tool in the field of medicine, acting as a foundation for understanding biological processes, developing novel treatments, and improving healthcare practices. It also provides a quantitative framework for analyzing complex systems and making informed decisions. The aim of this Special Issue is to compile excellent, peer-reviewed articles that address several aspects of machine learning and numerical simulation in environmental modeling phenomena and their peculiarities. Therefore, we welcome articles devoted to machine learning and the numerical modeling of technical issues that arise in various fields, including science, technology, medical modeling, and the environment.

Guest Editor

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Mathematics

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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