

Special Issue

Scientific Machine Learning Theory and Computation

Message from the Guest Editor

Machine learning, especially deep learning, has become an indispensable tool for solving many challenging problems in the fields of science and technology. This Special Issue on "Scientific Machine Learning Theory and Computation" aims to explore the intersection of cutting-edge machine learning and the traditional sciences, highlighting the innovative methodologies and theoretical insights that advance our capabilities and understanding of computational science. We seek contributions to this Special Issue that demonstrate the application of machine learning techniques to solve complex scientific problems, including, but not limited to, the realms of physics, chemistry, biology, and engineering. Emphasis will be placed on the use of novel algorithms, theoretical analysis, and computational efficiency in scientific contexts. Papers should showcase how machine learning can uncover new scientific knowledge, optimize computational workflows, and enhance the predictive accuracy of scientific models. This issue invites researchers to share their latest findings, providing a platform for advancing the field of scientific machine learning.

Guest Editor

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Deadline for manuscript submissions

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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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