

# Special Issue

## Recent Advances in Machine Learning Methods for Mechanical Engineering

### Message from the Guest Editors

Recent advances in traditional machine learning and deep learning methods are becoming increasingly popular in technology. They have been successfully applied in many fields, such as design, manufacturing, diagnostics, computational mechanics, robotics, etc. With the further increase in computational power and the amount of experimental data collected, as well as the increasing power of these methods, we expect this trend to increase in the future. However, there is a lack of systematic reviews and topic collections dealing with their application in mechanical engineering. For this reason, we are opening a Special Issue with scientific contributions on current problems in mechanical engineering, the solution to which is the use of machine learning methods. The scientific contributions expected here should relate to current problems in mechanical engineering, the solution of which can be achieved through the creative use of existing machine learning methods and their modifications. We are open to your contributions, and you are cordially invited to submit your manuscripts.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2025)



## Mathematics

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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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### Editor-in-Chief

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