

# Special Issue

## Mathematical Modeling and Numerical Analysis with Applications in Various Fields

### Message from the Guest Editor

Lately, an increasing demand for the scientific community to obtain effective mathematical tools for describing and solving problems in biotechnology, medicine, engineering, and physical chemistry has been observed. It is worth mentioning that finding methodology approaches for solving the aforementioned problems demands both the proper use of a developed mathematical apparatus, including analytical solutions of partial differential equations and numerical analysis approaches, but also the use of modern advances in computational, high-performance, and artificial intelligence tools. We cordially invite authors to share their recent contributions and new results within the scope of this Special Issue, focusing on a mathematical formulation of a problem and corresponding solutions. Inspiration can be drawn from various areas, including but not limited to the broad range of physical, chemical, and biology sciences, as well as engineering disciplines and medicine.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 January 2026)



## Mathematics

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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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### Editor-in-Chief

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