

# Special Issue

## Mathematical Models and Methods in Software Engineering

### Message from the Guest Editor

In the past 20 years, software engineering has evolved into a mature engineering discipline with well-developed methodologies, modelling techniques, and specification and programming languages. Nonetheless, it is still in need of improved methods, models, and formalisms. Therefore, we invite papers that utilise mathematical models and theories to address these challenges. Of particular interest are contributions on logic, fixed-point theory, model theory, category theory, and optimization methods, with the aim of enhancing models, tools, and methods used in software engineering and advancing the development of programming languages.

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### Guest Editor

Dr. Piotr Kosiuczenko

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### Deadline for manuscript submissions

30 September 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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