

# Special Issue

## Mathematical Logic and Its Applications 2020

### Message from the Guest Editors

Mathematical logic is a thriving field of mathematics with a wide range of various applications. The volume accepts high-quality papers with original research in mathematical logic and applications, with the main (but not only) focus on descriptive set theory, definability, and forcing, on the one hand, and algorithmic and combinatorial optimization, including optimization by linear (or near-linear complexity) algorithms, as well as exact algorithms of low computational complexity or, by contrast, NP-hardness of the corresponding problem, on the other hand. We gladly invite papers to this Special Issue related to applications of mathematical logic to mathematical physics, mathematical biology, and theoretical medicine. These topics, both fundamental and applied, cover many important modern trends.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 November 2020)



## 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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).