



*Special Issue Reprint*

## **Mathematical Logic and Its Applications 2020**

Edited By:

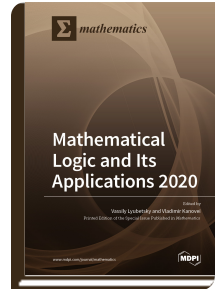
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[mdpi.com/books/pdfview/book/3987](http://mdpi.com/books/pdfview/book/3987)

ISBN 978-3-0365-0778-1 (hardback)

ISBN 978-3-0365-0779-8 (PDF)



The issue "Mathematical Logic and Its Applications 2020" contains articles related to the following three directions:

1. Descriptive Set Theory (3 articles). Solutions for long-standing problems, including those of A. Tarski and H. Friedman, are presented.
2. Exact combinatorial optimization algorithms, in which the complexity relative to the source data is characterized by a low, or even first degree, polynomial (1 article).

III. Applications of mathematical logic and the theory of algorithms (2 articles). The first article deals with the Jacobian and M. Kontsevich's conjectures, and algorithmic undecidability; for these purposes, non-standard analysis is used. The second article provides a quantitative description of the balance and adaptive resource of a human. Submissions are invited for the next issue "Mathematical Logic and Its Applications 2021"



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