

# Special Issue

## Graph Theory and Network Theory

### Message from the Guest Editor

Dear Colleague, This Special Issue is dedicated to the application of graph theory in network optimization and network reliability problems. We invite submissions focusing on network optimization problems, such as minimal path, shortest path, minimum cost path, max flow, assignment, transportation problems, as well as related topics. Additionally, we welcome papers addressing network reliability problems, including both binary state flow networks and multistate flow networks, and employing exact and approximation approaches such as simulation techniques, upper and lower bounds methods, and minimal path- and minimal cut-based algorithms. We strongly encourage submissions with real-world applications and those with a theoretical focus that have potential practical implications.

### Guest Editor

Dr. Majid Forghani-elahabad

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### Deadline for manuscript submissions

closed (31 March 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

Prof. Dr. Francisco Chiclana  
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#### Rapid Publication:

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