

# Special Issue

## Graph Theory: Advanced Algorithms and Applications, 2nd Edition

### Message from the Guest Editor

Graph theory has grown into a significant area of mathematical research, with applications in computer network architecture, electronic circuits, interpersonal graphs, social network analysis, and many other areas requiring fast algorithms for various optimization problems. For this Special Issue, we welcome all research papers on the mathematical, computational, and applied aspects of graph theory. We invite original research contributions to this Special Issue on “Graph Theory: Advanced Algorithms and Applications”, which aims to report and review recent developments concerning graph theory and discrete mathematics, covering the whole range of this field, from theory to applications.

### Guest Editor

Prof. Dr. Ruo-Wei Hung

Department of Computer Science and Information Engineering,  
Chaoyang University of Technology, Wufeng, Taichung 413310, Taiwan

### Deadline for manuscript submissions

20 February 2026



## Mathematics

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*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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### 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

School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

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