

Special Issue

Graph Theoretic Concepts in Data Science

Message from the Guest Editor

Network science and graph mining became the key disciplines to provide the methodology for processing and analysing of graph structured data. The powerful methods of the above fields made it possible to discover the patterns and describe the dynamics of networked systems. On the other hand, though the classical field of graph theory ensures the modelling framework, the recent progress in discrete models and methods such as algorithmic and structural graph theory still has a limited use in data science. The aim of this special issue is to provide a forum for researchers in graph theory and data science to share their original results about the integrated use of both fields. Graph theoretic papers motivated by data science problems as well as data science applications based on graph theoretic solutions are both considered.

Guest Editor

Dr. Miklós Krész

Andrej Marušič Institute, University of Primorska, 6000 Koper, Slovenia

Deadline for manuscript submissions

closed (31 July 2022)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/72272

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).