



algorithms



an Open Access Journal by MDPI

Graph Algorithms and Graph Labeling

Guest Editors:

Dr. Ali Ahmad

College of Computer Science and
Information Technology, Jazan
University, Jazan, Saudi Arabia

Dr. Muhammad Ahsan Asim

Department of Computer Science
and Electrical Engineering,
University of Missouri-Kansas City
(UMKC), Kansas City, MO, USA

Dr. Yilun Shang

Department of Computer and
Information Sciences,
Northumbria University,
Newcastle-upon-Tyne, UK

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editors

We invite you to submit your latest research in graph theory and experimental mathematics to this Special Issue “Graph algorithms and graph labeling”. In applied mathematics, graphs are one of the powerful tools for understanding the objects to determine combinatorial properties. Graph invariants are investigated to map on real time applications in chemical, electrical, electronics, computer and telecommunication engineering. The labeling of temporal graphs (dynamic graphs) is challenging but they have a closer relationship with real-time applications. We are looking for new and innovative approaches of graph labeling, topological indices and metric dimension in coding theory, channel assignment, computer network, layouts of digital circuits, semantic web and social networks. Submissions are welcome to flourish awareness and publication of recent developments in the area of graph properties, methods and applications.



mdpi.com/si/179442

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-
von-Guericke-University, P.O. Box
4120, D-39016 Magdeburg,
Germany

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compendex](#), and [other databases](#).

Journal Rank: CiteScore - Q2 (*Numerical Analysis*)

Contact Us

Algorithms Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/algorithms
algorithms@mdpi.com
[X@Algorithms_MDPI](https://twitter.com/Algorithms_MDPI)