



## Graph Neural Network Algorithms and Applications

Guest Editor:

**Dr. Xiao Huang**

Department of Computing, The  
Hong Kong Polytechnic  
University, 11 Yuk Choi Rd, Hung  
Hom, Hong Kong

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editor

Graph neural networks (GNNs) have firmly established themselves as foundational tools in networked data analysis. Their adaptability has led to a myriad of variations tailored for diverse real-world tasks, from social network analysis to traffic forecasting. If your expertise lies in network learning, we urge you to share your groundbreaking research with us. We are particularly interested in innovative GNN algorithms, in-depth theoretical explorations of GNNs, and real-world applications harnessing the power of GNNs. Topics of interest encompass, but are not restricted to: efficient techniques for enhancing encoding and training in GNNs, deeper insights into the mechanics and implications of GNN models and applications, and GNN solutions specifically designed for sectors like healthcare, commerce, biochemistry, and transportation. We hope you will consider contributing to this burgeoning field and being a part of our Special Issue. We look forward to your submissions.





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 Compindex, and other databases.

**Journal Rank**: JCR - Q2 (*Computer Science, Theory and Methods*) / CiteScore - Q1 (Numerical Analysis)

## Contact Us

---

*Algorithms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/algorithms](http://mdpi.com/journal/algorithms)  
[algorithms@mdpi.com](mailto:algorithms@mdpi.com)  
[X@Algorithms\\_MDPI](https://twitter.com/Algorithms_MDPI)