

## Special Issue

# Algorithms for Sequential Analysis

### Message from the Guest Editor

In many applications, it is necessary to make decisions while information is still being collected. Decision-makers regularly face such problems in important areas including cyber risk, resource allocations, and finance. The purpose of this Special Issue is to gather a collection of articles reflecting the latest developments in algorithms for sequential analysis. This Special Issue provides a forum for academics and practitioners to disseminate high-quality results related to theoretical and practical aspects of sequential algorithms. Potential topics include, but are not limited to, dynamic programming, online machine learning algorithms, Monte Carlo methods in sequential analysis, Markov decision processes, Bayesian sequential analysis, optimal stopping rules, quickest change-point detection problem, and stochastic games.

### Guest Editor

Dr. Georgy Sofronov

Department of Mathematics and Statistics, Macquarie University,  
Sydney, NSW 2109, Australia

### Deadline for manuscript submissions

closed (30 September 2021)



## Algorithms

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 4.5



[mdpi.com/si/51517](https://mdpi.com/si/51517)

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

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





# Algorithms

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 4.5



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



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Frank Werner

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

---

### 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:

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