

Special Issue

Recent Developments in Algorithms and Computational Complexity

Message from the Guest Editor

Faced with the massive scale of data in the era of big data and artificial intelligence, higher requirements and challenges are being put forward in the field of applied science for the designed algorithm. This is particularly the case in relation to efforts to enhance the computational complexity of the designed algorithms, a factor which directly affects the solution efficiency. Although there are related studies on algorithms in the existing literature, publishing the the latest research progress is valuable for promoting the progress in this field. This Special Issue will pay special attention to algorithms and computational complexity. Potential topics to be submitted include, but are not limited to, the following areas:

- Model solving algorithms
- AI algorithms
- Simulation algorithms
- Data fitting algorithms
- Intelligent optimization algorithms
- Spatial complexity of algorithms
- Time complexity of algorithms
- Uncertain computability

Guest Editor

Prof. Dr. Yi Zhao

School of Science, Harbin Institute of Technology, Shenzhen 518055, China

Deadline for manuscript submissions

closed (20 June 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/164840

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

mdpi.com/journal/

[appls-ci](https://appls-ci.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)