



Big Data Analytics for Social Good

Guest Editors:

Dr. Jiaying Shen

Department of Computing and
Decision Sciences, Lingnan
University, Tuen Mun, Hong Kong

Dr. Yu-An Huang

School of Computer Science,
Northwestern Polytechnical
University, Xi'an 710129, China

Dr. Yunfei Long

School of Computer Science and
Electronic Engineering, University
of Essex, Colchester CO4 3SQ, UK

Deadline for manuscript
submissions:

30 April 2025

Message from the Guest Editors

The exponential growth of diverse data sources, such as text data from social media, DNA sequences from biology, sensor data from IoT devices, image and video data from public surveillance, and beyond, presents substantial opportunities to leverage big data analytics for social good. Therefore, this Special Issue aims to showcase innovative research at the intersection of big data and positive social impact.

We invite original research articles, review papers, and short communications that explore the application of big data approaches to address critical challenges in areas such as public health, smart cities, environmental sustainability, education, and community development.

Keywords

- big data
- social good
- IoT
- NLP
- bioinformatics
- public health
- smart cities
- environmental sustainability
- education
- community resilience





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

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), RePEc, and other databases.

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/mathematics
mathematics@mdpi.com
[X@MathematicsMDPI](https://x.com/MathematicsMDPI)