

# Special Issue

## Big Data Analysis, Computing and Applications

### Message from the Guest Editor

With the rapid growth of data generated from various sources, such as IoT devices, sensors, and social media platforms, big data has revolutionized how we extract knowledge and make decisions. Big data analytics has emerged as a powerful tool for uncovering hidden patterns, detecting unknown correlations, and gaining valuable insights into markets and user behaviors.

These capabilities have led to its widespread adoption across various domains, including healthcare, finance, and smart manufacturing. Despite these advancements, several challenges remain, including data quality, algorithm scalability, and real-time processing. This Special Issue invites the academic community and relevant industrial partners to submit papers in the following fields:

- Big data models, algorithms, and architectures;
- Big data storage and management;
- Data mining, machine learning, and deep learning analysis for big data;
- Scalable algorithms for big data analysis;
- Visualization techniques for supporting the big data analysis process;
- Big data in healthcare and bioinformatics;
- Financial big data analysis and risk modeling;
- Industrial big data and predictive maintenance.

### Guest Editor

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### Deadline for manuscript submissions

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## Mathematics

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## About the Journal

### 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.

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### Editor-in-Chief

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