

Special Issue

Applications of Cloud and Distributed Computing

Message from the Guest Editors

The topics include but are not limited to:

- Machine learning-based efficient resource management and allocation algorithms.
- Machine learning and data analytics in edge and cloud distributed computing systems.
- Automatic AI machine learning operating on edge devices.
- MLOps in cloud computing and edge computing.
- Energy-efficient algorithms for IoT, edge, and cloud computing infrastructure.
- QoS of IoT and cloud applications.
- Distributed storage and backup algorithms.
- Content delivery and streaming algorithms.
- Machine learning-based anomaly detection.
- Serverless computing, function-as-a-service (FaaS), and microservices applications.
- Efficient task offloading algorithms for performance optimization of IoT applications.
- Blockchain and cloud computing architectures, applications, and performance.
- Data security and privacy in IoT, edge, and cloud distributed computing systems.
- Data governance, compliance, and transfer among inter-clouds and inter-edge data centers.

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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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