

## Special Issue

# Research on Cloud Computing and Big Data

### Message from the Guest Editors

In recent years, cloud computing and big data have emerged as transformative technologies that are reshaping industries and redefining the landscape of digital innovation. This Special Issue on "Research on Cloud Computing and Big Data" seeks to explore the latest advancements, challenges, and future directions in these fields. We invite submissions that cover a broad range of topics, including, but not limited to, the following:

- Cloud architecture and infrastructure for big data;
- Advanced data analytics and machine learning in the cloud;
- Security, privacy, and compliance in cloud-based data systems;
- Optimization of cloud resources for big data processing;
- Applications of cloud computing and big data in various industries (e.g., healthcare, finance, education, smart cities);
- The role of artificial intelligence in enhancing cloud and big data solutions;
- Case studies and real-world implementations of cloud and big data technologies.

We look forward to receiving your valuable contributions to this Special Issue, and to advancing the discourse on the critical intersection of cloud computing and big data.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 April 2025)



## Applied Sciences

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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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