

Special Issue

Cloud Computing: Challenges, Application and Prospects

Message from the Guest Editor

Cloud computing has revolutionized how organizations and individuals access, store, and process data. As the field evolves, new challenges, applications, and prospects arise. *Applied Sciences* (ISSN 2076-3417) invites researchers and practitioners to contribute to a Special Issue focused on advancing the understanding of cloud computing and exploring its challenges, applications, and prospects. Topics of interest for this Special Issue include, but are not limited to, the following:

- Cloud infrastructure design and optimization;
- Security and privacy in cloud computing;
- Cloud-based big data analytics;
- Cloud-based machine learning and artificial intelligence;
- Cloud storage and data management;
- Cloud service models (IaaS, PaaS, and SaaS);
- Cloud orchestration and management;
- Cloud-based applications and services;
- Edge and fog computing in cloud environments;
- Mobile cloud computing;
- Green and sustainable cloud computing;
- Cloud economics and business models;
- Performance optimization in cloud systems;
- Cloud interoperability and standards;
- Cloud-based Internet of Things (IoT) solutions;

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2025)



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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

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