Special Issue

Application of Knowledge Graphs

Message from the Guest Editors

This Special Issue focuses on how knowledge graphs are being applied in real-world settings, and how they are evolving alongside technologies like Large Language Models (LLMs) and explainable AI (xAI). As LLMs reshape how we interact with systems through natural language, knowledge graphs provide essential context and structure, grounding these models in factual and meaningful representations. At the same time, xAI is opening the door to more transparent and trustworthy AI, especially when combined with the relational insights that graphs can offer. We are particularly interested in work that brings these areas together: new methods, case studies, or systems that explore the interaction between graphs, language models, and explainability. We also welcome contributions that tackle the practical aspects of building and maintaining knowledge graphs: from semi-automated construction and enrichment to handling large-scale or constantly evolving data. By bringing together diverse perspectives from research and industry, this Special Issue aims to offer both a grounded view of where knowledge graphs stand today and a glimpse into where they are heading next.

Guest Editors

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Deadline for manuscript submissions

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Applied Sciences

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.

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