

Special Issue

Advancements in Multi-Agent Systems and Artificial Intelligence: Methodologies, Applications, and Future Trends

Message from the Guest Editor

This Special Issue aims to advance the understanding and development of multi-agent systems by exploring novel methodologies, applications, and theoretical foundations, particularly focusing on their integration with AI. The convergence of multi-agent systems and AI has the potential to revolutionize various sectors by enabling intelligent, autonomous, and cooperative solutions to complex problems. In this Special Issue, original research articles and reviews are welcome. The research areas may include (but are not limited to) the following: Coordination and collaboration mechanisms in multi-agent systems. Applications of multi-agent systems in robotics and automation. Agent-based modeling and simulation techniques. Distributed artificial intelligence. Multi-agent learning and adaptation. Ethical and social implications of multi-agent systems. AI-driven decision making in multi-agent environments. Real-world applications and case studies integrating AI and multi-agent systems.

Guest Editor

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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.

Editor-in-Chief

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