

Special Issue

Application of Artificial Intelligence in the Logistics Industry and Supply Chain

Message from the Guest Editor

The logistics and supply chain industry is increasingly reliant on digital technologies and interconnected systems. These advancements enable smarter decision making, operational optimization, and unprecedented efficiency. However, this digital transformation has also brought about rising cyber risks, necessitating robust cybersecurity measures to prevent disruptions and mitigate financial and reputational damage. The rapid advancement of artificial intelligence (AI) is revolutionizing logistics and supply chain management through applications such as predictive analytics, demand forecasting, and real-time operational decision making. AI-driven mechanisms and solutions are transforming traditional systems by enhancing efficiency, resilience, agility, and sustainability. Despite these advancements, several challenges remain in AI integration, including ensuring data quality, developing effective AI models, addressing cybersecurity threats, and overcoming barriers to adoption in complex and dynamic environments.

Guest Editor

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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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