Special Issue

Applications of AI and Machine Learning Models for Logistics and Supply Chain Management

Message from the Guest Editors

The goal of this special issue is to accelerate the adoption of machine learning and related AI tools and technologies in supply chain management and logistics. The topics include, but not limited to, application of data analytics, machine learning and other AI tools to:

- Supply chain planning and optimization
- Predictive and prescriptive supply chain analytics
- Demand planning and inventory management
- Data-driven revenue management and pricing
- Automation of supply chain operations
- Supply chain disruption management
- Intelligent logistics networks and services
- Warehouse automation
- Real-time fleet monitoring and management
- Routing and delivery optimization
- Digital platforms for procurement and supply chain operations
- Supplier selection and performance tracking
- Robotic process automation
- Autonomous delivery vehicles
- Blockchain for supply chain transparency and security
- Real-time product tracking and tracing
- Autonomous mobile robotics
- AI-powered visual quality inspection systems
- Virtual assistants for procurement and supply chain security
- Anomaly detection and fraud management

Guest Editors

Prof. Dr. Robert Handfield

Prof. Dr. Noel Greis

Dr. Linning Cai

Deadline for manuscript submissions

closed (31 August 2021)

Logistics

About the Journal

Message from the Editor-in-Chief

I am delighted to take on the editorial role for the open-access international journal Logistics, which will emphasize current important issues in logistics and supply chain management. My aim is to ensure that this journal employs a rapid review process; has the flexibility to address the most current topics; and is globally connected, communicating online peer-reviewed articles and related content to a worldwide audience. I have invited a group of leading thinkers to serve as Editorial Review Board Members, who will promote cutting-edge insights from authors from all over the world. Contemporary topics that address current challenges will receive special attention, as will thought-provoking scholarly essays and viewpoints. On behalf of our distinguished Editorial Board, I welcome your contributions.

Editor-in-Chief

Prof. Dr. Robert Handfield
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Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), RePEc, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.6 days after submission; acceptance to publication is undertaken in 4.9 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

JCR - Q2 (Operations Research and Management Science) / CiteScore - Q1 (Information Systems and Management)