
The main topics of interest are:

• Operations research models for big data analytics in supply chain management
• BDA-enabled business analytics at the plant location, organizational, and supply chain levels
• In-depth and longitudinal case studies and pilot studies on the implementation of IT infrastructure to support big data initiatives for improved operations management, lean and agile operations, quality management in operations and supply chain management
• New theory development to explain the adoption and use of BDA in operations at the organizational and inter-organizational levels
• Empirical studies assessing the business value of BDA in terms of quality management, new products, and services design; improved internal and supply chain operations capabilities
• Revisit current institutional theory, resource dependence theory, transaction cost economics theory, agency theory, resource based view theory, and ecological modernization theory using BDA
• Exploring social capital theory using BDA in supply chain network design
• Redefining supply chain coordination mechanism using social actors network theory supported by big data
• Building robust supply chain risk model using BDA
• Assessing the impact of BDA on performance measurement systems in operation management and supply chain
• Assessing the impact of BDA on predictive maintenance for industrial products

Instructions for authors can be found at:

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