

# Behzad Maleki Vishkaei

Assistant Professor of Practice



**Knowledge Group:** Strategy and Operations

**Research Domains:** Corporate Strategy

**Teaching Domains:** Sustainable Supply Chain, Operations, Circular Economy, Distribution Management, Service Operations

[behzad.maleki@unibocconi.it](mailto:behzad.maleki@unibocconi.it)

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## Articles in Scholarly Journals

### **A smart mobility game with blockchain and hardware oracles**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "A smart mobility game with blockchain and hardware oracles", International Journal of Production Economics, 2025, vol. 282, pp. 109533

### **Accelerating the transition from linear to circular systems through a subscription-based approach**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Accelerating the transition from linear to circular systems through a subscription-based approach", International Journal of Production Research, 2025, pp. 1-24

### **Optimal ordering for Product-as-a-Service models with circular economy practices**

MALEKI VISHKAEI, B., "Optimal ordering for Product-as-a-Service models with circular economy practices", International Journal of Production Research, 2025, vol. 63, no. 11, pp. 4066-4085

### **Prioritizing, integrating, and communicating sustainability to prevent social washing**

MALEKI VISHKAEI, B., E. SPAHIU, P. DE GIOVANNI, "Prioritizing, integrating, and communicating sustainability to prevent social washing", Cleaner Production Letters, 2025, vol. 9, pp. 100114

### **The impact of account-based marketing approach in shaping impactful narratives on sustainability and resilience**

SPAHIU, E., B. MALEKI VISHKAEI, A. GRANDO, "The impact of account-based marketing approach in shaping impactful narratives on sustainability and resilience", Impresa Progetto - Electronic Journal of Management, 2025, no. 1, pp. 1-20

### **Un'analisi sull'engagement degli stakeholder. Comunicare la sostenibilità con l'Account-Based Marketing - An Analysis of Stakeholder Engagement. Communicating Sustainability Through Account-Based Marketing**

DE GIOVANNI, P., E. SPAHIU, L. SPINOSI, B. MALEKI VISHKAEI, "Un'analisi sull'engagement degli stakeholder. Comunicare la sostenibilità con l'Account-Based Marketing - An Analysis of Stakeholder

Engagement. Communicating Sustainability Through Account-Based Marketing", *Economia & Management*, 2025, no. 4, pp. 70-87

### **Bayesian network methodology and machine learning approach: anapplication on the impact of digital technologies on logistics service quality**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Bayesian network methodology and machine learning approach: anapplication on the impact of digital technologies on logistics service quality", *International Journal of Physical Distribution & Logistics Management*, 2024, vol. 54, no. 7/8, pp. 755-774

### **L'impatto sulle performance aziendali. Il business sostenibile migliora la resilienza - Sustainability and Business Performance. Building Resilience with GRI Practices**

DE GIOVANNI, P., B. MALEKI VISHKAEI, "L'impatto sulle performance aziendali. Il business sostenibile migliora la resilienza - Sustainability and Business Performance. Building Resilience with GRI Practices", *Economia & Management*, 2024, no. 3, pp. 16-24

### **Operational Risk Management in E-Commerce: A Platform Perspective**

URREA, N. T., B. MALEKI VISHKAEI, P. DE GIOVANNI, "Operational Risk Management in E-Commerce: A Platform Perspective", *IEEE Transactions on Engineering Management*, 2024, vol. 71, pp. 3807-3819

### **Rescheduling Multiproduct Delivery Planning With Digital Technologies for Smart Mobility and Sustainability Goals**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Rescheduling Multiproduct Delivery Planning With Digital Technologies for Smart Mobility and Sustainability Goals", *IEEE Transactions on Engineering Management*, 2024, vol. 71, pp. 7173-7194

### **Smart food-sharing platforms for social sustainability: a heuristic algorithm approach**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Smart food-sharing platforms for social sustainability: a heuristic algorithm approach", *International Transactions in Operational Research*, 2024

### **Subscription-based business models in the context of tech firms: theory and applications**

LINDSTRÖM, C. W. J., B. MALEKI VISHKAEI, P. DE GIOVANNI, "Subscription-based business models in the context of tech firms: theory and applications", *International Journal of Industrial Engineering and Operations Management*, 2024, vol. 6, no. 3, pp. 256-274

### **The Impact of Business Continuity on Supply Chain Practices and Resilience Due to COVID-19**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "The Impact of Business Continuity on Supply Chain Practices and Resilience Due to COVID-19", *International Journal of Logistics Research and Applications*, 2024, vol. 8, no. 2, pp. 41

### **The Impact of Digital Technologies and Sustainable Practices on Circular Supply Chain Management**

ROMAGNOLI, S., C. TARABU', B. MALEKI VISHKAEI, P. DE GIOVANNI, "The Impact of Digital Technologies and Sustainable Practices on Circular Supply Chain Management", *International Journal of Logistics Research and Applications*, 2023, vol. 7, no. 1

### **The Impact of Digital Technologies on Company Restoration Time Following the COVID-19 Pandemic**

SAMMARCO, G., D. RUZZA, B. MALEKI VISHKAEI, P. DE GIOVANNI, "The Impact of Digital Technologies on Company Restoration Time Following the COVID-19 Pandemic", *Sustainability*, 2022, vol. 14, no. 22, pp. 15266

**Bi-objective optimization for customers' satisfaction improvement in a Public Bicycle Sharing System**  
MALEKI VISHKAEI, B., M. FATHI, M. KHAKIFIROOZ, P. DE GIOVANNI, "Bi-objective optimization for customers' satisfaction improvement in a Public Bicycle Sharing System", *Computers & Industrial Engineering (CAIE)*, 2021, vol. 161, pp. 107587

#### **A Public Bicycle Sharing System Considering Renting and Middle Stations**

MALEKI VISHKAEI, B., I. MAHDAVI, N. MAHDAVI-AMIRI, E. KHORRAM, "A Public Bicycle Sharing System Considering Renting and Middle Stations", *Journal of Optimization in Industrial Engineering*, 2020, vol. 13, no. 2, pp. 141-147

#### **Balancing public bicycle sharing system using inventory critical levels in queuing network**

MALEKI VISHKAEI, B., I. MAHDAVI, N. MAHDAVI-AMIRI, E. KHORRAM, "Balancing public bicycle sharing system using inventory critical levels in queuing network", *Computers & Industrial Engineering (CAIE)*, 2020, vol. 141, pp. 106277

#### **Green supply chain flow analysis with multi-attribute demand in a multi-period product development environment**

PORKAR, S., I. MAHDAVI, B. MALEKI VISHKAEI, M. HEMATIAN, "Green supply chain flow analysis with multi-attribute demand in a multi-period product development environment", *Operational Research*, 2020, vol. 20, no. 3, pp. 1405-1435

#### **A bi-objective inventory model to minimize cost and stock out time under backorder shortages and screening**

MALEKI VISHKAEI, B., S. T. AKHAVAN NIAKI, E. KHORRAM, M. FARHANGI, "A bi-objective inventory model to minimize cost and stock out time under backorder shortages and screening", *International Journal of Industrial Engineering: Theory, Applications and Practice*, 2019, vol. 26, no. 5

#### **A retailer inventory model when the reliability of inspection system affects the percentage of defective items which are delivered to final customers**

MALEKI VISHKAEI, B., M. SEYYED-ESFAHANI, I. MAHDAVI, M. ASKARI, "A retailer inventory model when the reliability of inspection system affects the percentage of defective items which are delivered to final customers", *Journal of Industrial and Production Engineering*, 2019, vol. 36, no. 2, pp. 70-80

#### **A single-retailer multi-supplier multi-product inventory model with destructive testing acceptance sampling and inflation**

MALEKI VISHKAEI, B., S. T. A. NIAKI, M. FARHANGI, I. MAHDAVI, "A single-retailer multi-supplier multi-product inventory model with destructive testing acceptance sampling and inflation", *Journal of Industrial and Production Engineering*, 2019, vol. 36, no. 6, pp. 351-361

#### **Optimizing Employment and Learning System Using Big Data and Knowledge Management Based on Deduction Graph**

MALEKI VISHKAEI, B., I. MAHDAVI, N. MAHDAVI-AMIRI, M. ASKARI, "Optimizing Employment and Learning System Using Big Data and Knowledge Management Based on Deduction Graph", Journal of Information Technology Applications and Management, 2016, vol. 23, no. 3, pp. 13-23

#### **Closed-form equations for optimal lot sizing in deterministic EOQ models with exchangeable imperfect ACquality items**

FARHANGI, M., S. T. AKHAVAN NIAKI, B. MALEKI VISHKAEI, "Closed-form equations for optimal lot sizing in deterministic EOQ models with exchangeable imperfect ACquality items", Scientia Iranica. Transactions on Industrial Engineering (E), 2015, vol. 22, no. 6, pp. 2621-2633

#### **A multiproduct EOQ model with inflation, discount, and permissible delay in payments under shortage and limited warehouse space**

PASANDIDEH, S. H. R., S. T. A. NIAKI, B. MALEKI VISHKAEI, "A multiproduct EOQ model with inflation, discount, and permissible delay in payments under shortage and limited warehouse space", Production & Manufacturing Research, 2014, vol. 2, no. 1, pp. 641-657

#### **Optimal lot sizing in screening processes with returnable defective items**

MALEKI VISHKAEI, B., S. T. A. NIAKI, M. FARHANGI, M. E. M. RASHTI, "Optimal lot sizing in screening processes with returnable defective items", Journal of Industrial Engineering International, 2014, vol. 10, no. 3, pp. 70

#### **The 100% screening Economic Order Quantity model under shortage and delay in payment**

MALEKI VISHKAEI, B., S. H. R. PASANDIDEH, M. FARHANGI, "The 100% screening Economic Order Quantity model under shortage and delay in payment", Scientia Iranica. Transactions on Industrial Engineering (E), 2014, vol. 21, no. 6, pp. 2429-2435

#### **A Memetic genetic algorithm for a redundancy allocation problem**

RASHTI, M. E. M., B. MALEKI VISHKAEI, R. ESMAEILPOUR, "A Memetic genetic algorithm for a redundancy allocation problem", International Journal of Applied Operational Research, 2012, vol. 2, no. 2

#### **A Fuzzy Multi-Objective Class Based Storage Location Assignment**

MALEKI VISHKAEI, B., M. E. M. RASHTI, "A Fuzzy Multi-Objective Class Based Storage Location Assignment", International Journal of Applied Operational Research, 2011, vol. 1, no. 1, pp. 19-35

#### **Increasing the reliability and the profit in a redundancy allocation problem**

EBRAHIMNEZHAD, M., B. MALEKI VISHKAEI, S. H. R. PASANDIDEH, J. SAFARI, "Increasing the reliability and the profit in a redundancy allocation problem", International Journal of Applied Operational Research, 2011, vol. 1, no. 2, pp. 57-64

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## **Contribution to Chapters, Books or Research Monographs**

**La resilienza strategica di Prysmian**

SCIROCCO, N., B. MALEKI VISHKAEI, P. DE GIOVANNI, "La resilienza strategica di Prysmian" in Strategie di resilienza in operations management. Casi aziendali ed esperienze di eccellenza., P. De Giovanni (Ed.), Egea, chap. 7, pp. 133-152, 2025

### **Blockchain Adoption in the Winery Industry**

PRENCIPE, M. P., B. MALEKI VISHKAEI, P. DE GIOVANNI, "Blockchain Adoption in the Winery Industry" in Blockchain Technology Applications in Businesses and Organizations., Pietro De Giovanni (Ed.), IGI Global, chap. 3, pp. 43-72, 2022

### **Blockchain for Circular Economy in the Furniture Sector**

ARANGIARO, V., B. MALEKI VISHKAEI, P. DE GIOVANNI, "Blockchain for Circular Economy in the Furniture Sector" in Cases on Circular Economy in Practice., Pietro De Giovanni (Ed.), IGI Global, chap. 11, pp. 238-275, 2022

### **Metaverse: A New Platform for Circular Smart Cities**

MALEKI VISHKAEI, B., "Metaverse: A New Platform for Circular Smart Cities" in Cases on Circular Economy in Practice., Pietro De Giovanni (Ed.), IGI Global, chap. 3, pp. 51-69, 2022

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## **Proceedings/Presentations**

### **Advancing Diversity, Equity, and Inclusion in Operations Management**

MALEKI VISHKAEI, B., E. SPAHIU, P. DE GIOVANNI, "Advancing Diversity, Equity, and Inclusion in Operations Management" in EURAM 2025 Annual Conference, June 22-25, 2025, Florence, Italy

### **Leveraging Blockchain Technology for Agricultural Insurance: A Game-Theoretic Perspective.**

MALEKI VISHKAEI, B., M. A. MOREIRA TRINDADE, P. DE GIOVANNI, "Leveraging Blockchain Technology for Agricultural Insurance: A Game-Theoretic Perspective." in EurOMA 2025 Conference, June 13-17, 2025, Milan, Italy

### **Sustainable Initiatives for Packaging: A Paradox Theory Perspective**

MALEKI VISHKAEI, B., A. COZZOLINO, P. DE GIOVANNI, "Sustainable Initiatives for Packaging: A Paradox Theory Perspective" in EurOMA 2025 Conference, June 13-17, 2025, Milan, Italy

### **The Impact of Diversity, Equity, and Inclusion (DEI) on Operational Performance**

SPAHIU, E., B. MALEKI VISHKAEI, P. DE GIOVANNI, "The Impact of Diversity, Equity, and Inclusion (DEI) on Operational Performance" in The 85th Annual Meeting of Academy of Management, July 25-29, 2025, Copenhagen, Denmark

### **Inventory Flow of Subscription-Based Business Models with Circular Economy Practices**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Inventory Flow of Subscription-Based Business Models with Circular Economy Practices" in The 7th European International Conference on Industrial Engineering and Operations Management, July 16-18, 2024, Ausburg, Germany

### **Refilling glass bottles as a circular economy practice: a game theory model**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Refilling glass bottles as a circular economy practice: a game theory model" in EURAM 2024 - European Academy of Management Conference, June 24-28, 2024, Bath, Great Britain

### **Smart Food-Sharing Platforms for Social Sustainability: A Heuristic Algorithm Approach**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Smart Food-Sharing Platforms for Social Sustainability: A Heuristic Algorithm Approach" in SIMA Management Conference, June 13-14, 2024, Parma, Italy

### **Social Development through Operations and Supply Chain Management**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Social Development through Operations and Supply Chain Management" in British Academy of Management (BAM), September 2-6, 2024, Nottingham, Great Britain

### **Unlocking the blockchain potentials through oracles: Empirical evidence on supply chain challenges and performance**

RUZZA, D., P. DE GIOVANNI, B. MALEKI VISHKAEI, "Unlocking the blockchain potentials through oracles: Empirical evidence on supply chain challenges and performance" in Sinergie-SIMA Management Conference 2023, 29-30 June, 2023, Bari, Italy

### **Analyzing the CO2 Emissions and Fuel Consumption of Light-duty Vehicles**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Analyzing the CO2 Emissions and Fuel Consumption of Light-duty Vehicles" in 5th European Conference on Industrial Engineering and Operations Management Conference, July 26-28, 2022, Rome, Italy

### **Blockchain-based Smart Contracts for Sustainable Food Waste Management and Collaborations**

MALEKI VISHKAEI, B., P. DE GIOVANNI, "Blockchain-based Smart Contracts for Sustainable Food Waste Management and Collaborations" in 5th European Conference on Industrial Engineering and Operations Management Conference, July 26-28, 2022, Rome, Italy