Mohammad Reza Khodoomi

Graduated MSc in Industrial Engineering,
Logistics and Supply Chain
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Education

2019 - 2022 **Master of Industrial Engineering - Logistics and Supply Chain**

Iran University of Science and Technology, School of Industrial Engineering; Tehran, Iran

Thesis Title: Design of peer-to-peer energy trading with battery storage under uncertain conditions

Supervisors: Dr. Hadi Sahebi and Dr. Mir Saman Pishvaee

GPA: 3.58/4

2013 - 2017 **Bachelor of Industrial Engineering**

Quchan University of Technology, Department of Industrial Engineering, Quchan, Iran

Thesis Title: Review of supplier selection criteria and methods in a supply chain management

Supervisor: Dr. Majid Soolaki

GPA: 3.49/4

Honors

- Awarded Tuition-Waiver Scholarship at Iran University of Science and Technology (2019)
- Ranked 88th in industrial engineering entrance exam for Master's degree, among more than 5.000 participants (2019)
- Ranked 3rd in the national championship from Islamic Republic of Iran Mountaineering and Sport Climbing Federation (2019)
- Ranked within the top 15% amongst all Bachelor's students at Quchan University of Technology class (2017)

Research Interests

- Logistics and Supply Chain Management
- Operation Research
- Sustainability
- Stochastic Optimization
- Data Analysis
- Decision Making

Skills

- **Computer**
  - **Programming:** GAMS, R
  - **Software:** Rapid Miner, Expert Choice, Arena, Microsoft Project, Microsoft Office, Adobe Photoshop

- **Language**
  - **Persian (Native)**
  - **English (Fluent)**
- **Other Skills:** Research, Modeling, Data Mining, Optimization, Simulation, MCDM

Selected Journal Paper

- **Khodoomi, M.**, Sahebi, H. (2022). Robust Optimization and Pricing of Peer-to-Peer Energy Trading Considering Battery Storage. *Computers & Industrial Engineering*. (Under Review).
- **Khodoomi, M. R.**, Yaghoubi, S., Saif, M. (2022). Effects of COVID-19 outbreak in pricing and collaboration of a health-social dual-channel supply chain. *Environmental Science and Pollution Research.* (Under Review).
- Saif, M., Yaghoubi, S., **Khodoomi, M. R.** (2022). Optimization of food-energy-water-waste nexus in a sustainable food supply chain under the COVID-19 pandemic: A case study in Iran. *Environment, Development and Sustainability*. (Under Review).
- **Khodoomi, M. R.**, Saif, M., Hanne, T. (2022). Effects and Challenges of the COVID-19 Pandemic in Supply Chain Management: A Text Analytics Approach. *Supply Chain Forum: an International Journal.* (Under Review).
- Nakhaeinejad, M., Khademi Zare, H., Habibi, M., & **Khodoomi, M. R.** (2022). Improvement of multi-item order systems and inventory management models using optimal control theory. *Transactions of the Institute of Measurement and Control*.
- **Khodoomi, M.**, Seif, M., Sahebi, H. (2021). Identifying and analyzing the interactions of factors affecting Just-in-time in a supply chain using DEMATEL and ISM methods (Case study of Iran Khodro Binalood). Production and Operations Management, 12(3), 65-91.

Job Experience

2020 - 2021 **Supply Chain Planner**, Daily Market Company, Tehran, Iran

- Made plans for supplying products in chain stores
- Monitored inventories and ordered the optimal amount of goods
- Analyzed products sales trend

2020 **Logistics Expert**, Modiseh Company, Tehran, Iran

- Made distribution schedule based on orders route
- Checked orders status
- Analyzed distribution system performance

Academic Experience

2017 – 2019 **Teacher**, Ministry of Education, Iran

- Participated in teaching methods courses
- Joined the Ministry of Education to teach in schools

2018 **Lecturer**, FaraDars, E-learning platform

- prepared lesson plans and made slides for the presentation
- Taught WinQSB software tutorial on FaraDars - Online training

Project

2020 Feasibility study report (mountaineering clothing production) for Charkhe Barekat Event

2016 Internship at Iran-Khodro Company for design and creation of working instructions for the skillful (Senior Workers) in the car production line

2015 Layout optimization (workforce & machinery estimation, production line balancing, activity relationship analyses) at Abisooz Company

2015 Work study (Created OPC, FPC, APC, cycle time, two-handed process chart, etc.) at Abisooz Company

Reference

Hadi Sahebi, (Google Scholar - Website)
Assistant Professor, School of Industrial Engineering, Iran University of Science and Technology, Tehran, Iran
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Mir Saman Pishvaee, (Google Scholar - Website)
Associate Professor, School of Industrial Engineering, Iran University of Science and Technology, Tehran, Iran
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Saeed Yaghoubi, (Google Scholar - Website)
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