

Mohammad Reza Khodoomi

Graduated MSc in Industrial Engineering
<https://mrkhodoomi.github.io/>

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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
uncertainty conditions
Supervisor: Dr. Hadi Sahebi and Dr. Mir Saman Pishvaei
GPA: 3.58/4
- 2013 - 2017 **Bachelor of Industrial Engineering**
Quchan University of Technology, Department of Industrial Engineering, Quchan,
Iran
Thesis Title: review for 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 participate (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
- Decision Making
- Data Mining
- Energy Optimization

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

- Products supply planning for chain stores
- Inventory control and optimal ordering
- Product sales trend analysis

2020 **Logistics Expert**, Modiseh Company

- Schedule orders (according to their route)
- Check orders status
- Compilation of distribution system performance report

Academic Experience

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

After completing the courses of teaching methods, I joined the Ministry of Education to teach in schools.

2018 **Lecturer**

Teaching 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](#))

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Mir Saman Pishvaei, ([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](#))

Associate Professor, School of Industrial Engineering, Iran University of Science and Technology, Tehran, Iran

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Thomas Hanne, ([Google Scholar](#) - [Website](#))

Professor, Institute for Information Systems, University of Applied Sciences and Arts Northwestern Switzerland, Olten, Switzerland

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Majid Soolaki, ([Google Scholar](#) - [Website](#))

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