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Citations (Scopus):

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MIRZAPOUR ALEHASHEM**

Assistant Professor  
Department of Industrial Engineering &  
Management Systems  
Industrial Production



### Supervised MSc Theses

#	Thesis title	By	Date
1	An integrated planning-pricing problem in sustainable organic agricultural supply chain	Negin Faraji & Seyed Mohammad Javad Mirzapour Alehashem	October 2021
2	A non deterministic ride sharing problem with a sliding time window and considering environmental aspects	Fateme Esmaeeli & Seyed Mohammad Javad Mirzapour Alehashem	August 2021
3	A model for credit rating (credit scoring) of legal entities (institutions) in commercial banks (case study: tejarat bank)	Abbas Heydarpour & Seyed Mohammad Javad Mirzapour Alehashem	April 2021
4	A Mathematical Model to Find Optimal Timing of Osteoporosis Screening	Mohadese Shahsavand & Seyed Mohammad Javad Mirzapour Alehashem	February 2021
5	Electric Inventory-Routing Problem (EIRP)	Elahe Molaei & Seyed Mohammad Javad Mirzapour Alehashem	February 2021
6	location and transportation planning for dry port by considering demurrage and detention under uncertainty	Meghdad Askarzadeshahi & Seyed Mohammad Javad Mirzapour Alehashem	February 2021

7	human resource management in dynamic business environment considering induced technological and technical limitations	Mahdi Motaghinia & Seyed Mohammad Javad Mirzapour Alehashem	December 2020
8	identity effective indeces factors in promoting of citizenship behavior in service organizations	Sina Tofighian & Seyed Mohammad Javad Mirzapour Alehashem	December 2020
9	A Multi-Objective Model for the Green Capacitated Location-Routing Problem by Considering Time Window with Uncertain Demand	Kayhan Alamatsaz & Seyed Mohammad Javad Mirzapour Alehashem	August 2020
10	developing a multi-objective optimization model for Scheduling of patients and reducing personnel idle time in medical tourism centers	Azam Bakhshandeh & Seyed Mohammad Javad Mirzapour Alehashem	July 2020
11	Forecasting movie success by Designing a data-mining model	Hamid Arzaq Tabrizy & Seyed Mohammad Javad Mirzapour Alehashem	July 2020
12	a joint bus routing and carpooling problem for staff transportation service design	Sara Ghorbanpour & Seyed Mohammad Javad Mirzapour Alehashem	May 2020
13	Stochastic inventory routing problem in a disaster relief logistics considering blood types	Mahsa Rezaei Kallaj & Seyed Mohammad Javad Mirzapour Alehashem	February 2020
14	Orienteering problem in consideration of attractiveness and pricing in the entertainment industry	Seyed Vahid Mortazavi Zanjani & Seyed Mohammad Javad Mirzapour Alehashem	February 2020
15	Multi-objective vehicle routing problem in Omni-channel retailing distribution systems with time windows constraints	Hanie Bayat & Seyed Mohammad Javad Mirzapour Alehashem	February 2020
16	Sustainable supply chain network design using lean principles under uncertainty	Hossein Komasi & Seyed Mohammad Javad Mirzapour Alehashem	January 2020
17	A multi- objective mathematical model for green logistics in pharmaceutical industry considering quantity discount	Fattemeh Aboobarakat & Seyed Mohammad Javad Mirzapour Alehashem	July 2019
18	A Multi-objective mathematical model for multi-product production-distribution scheduling with general-purpose machines	Farshad Aghajani & Seyed Mohammad Javad Mirzapour Alehashem	July 2019
19	A Multi objective model for integrated project scheduling and supply chain planning by considering material shortage(a case study in construction project)	Sahar Ghasemi & Seyed Mohammad Javad Mirzapour Alehashem	July 2019
20	reverse logistics planning (waste management) planning for 3PLs by considering customers social behavior	Osveh Zamani & Seyed Mohammad Javad Mirzapour Alehashem	June 2019
21	sustainable supply chain planning by considering pricing and globalization aspects	Soha Rostami & Seyed Mohammad Javad Mirzapour Alehashem	June 2019
22	disruption management in liner shipping using mixed of speedup,swap and skip strategies	Hessam Soltani & Seyed Mohammad Javad Mirzapour Alehashem	May 2019
23	Pollution-Routing problem :A new model	Mahdi Rashidi & Seyed Mohammad Javad Mirzapour Alehashem	February 2019
24	A maximum-flow network-interdiction problem in an uncertain environment(with application to smuggling goods	Mahdieh Mirzaei & Seyed Mohammad Javad Mirzapour Alehashem	February 2019

25	An integrated fleet assignment and flight scheduling problem by considering pricing and uncertainty	Nahid Malvandi & Seyed Mohammad Javad Mirzapour Alehashem	February 2019
26	health waste location-routing problem modeling in reduce their harmful environmental risk factors	Maryam Sadat Ghoreshi Korrani & Seyed Mohammad Javad Mirzapour Alehashem	September 2018
27	Vehicle routing for an organ transplant supply chain	Rouhollah Khazaei Kouhpar & Seyed Mohammad Javad Mirzapour Alehashem	July 2018
28	an integrated green forward and reverse supply network design by considering reliability of parts	Hossein Soltani & Seyed Mohammad Javad Mirzapour Alehashem	February 2018
29	A multi-objective medel for designing a dual-channel supply chain network under uncertainly	Maryam Rezakhanlou & Seyed Mohammad Javad Mirzapour Alehashem	February 2018
30	Dynamic supply chain network design for minimize losses after math of disaster	Mohammad Ali Rostami & Seyed Mohammad Javad Mirzapour Alehashem	January 2018
31	An integrated routing and scheduling model in maritime ransportation industry under disruption condition	Ruzbe Purshamsian & Seyed Mohammad Javad Mirzapour Alehashem	November 2017
32	Joint pricing and inventory decisions for perishable complementary items in a production system]	Mahrokh Ranjbar Ghazian & Seyed Mohammad Javad Mirzapour Alehashem	October 2017
33	Dynamic supply chain network design for minimize losses after math of disaster	Mohammad Ali Rostami & Seyed Mohammad Javad Mirzapour Alehashem	July 2017
34	combination of vehicle riuting problem and dock door assignment problem	Younes Fathi & Seyed Mohammad Javad Mirzapour Alehashem	July 2017
35	a mathematical model for ATM location problem and its replenishment planning	Nader Nazari Ganjeh & Seyed Mohammad Javad Mirzapour Alehashem	February 2017
36	Proposing a mathematical model for dynamic cellular system with environmental and human consideration	Samira Eivazpour Nami & Seyed Mohammad Javad Mirzapour Alehashem	February 2017
37	Development of mathematiccal models for supply chain network design with regard o transportation vehicles and locating distribution centers	Amir Kalaei & Seyed Mohammad Javad Mirzapour Alehashem	June 2016

## Books

#	Title	Author(s)	Publisher country	publication date	version
<b>Portal Records</b>					
1	modeling and optimization in green logistics: CHAPTER2 : An Integrated Location-Inventory Routing Problem for ATMs in Banking Industry: A Green Approach	Nader Nazari Ganjeh, Seyed Mohammad Javad Mirzapour Alehashem	Germany	September 2020	1

2	Green Transportation and New Advances in Vehicle Routing Problems:Chapter2:New Advances in Vehicle Routing Problems: A Literature Review to Explore the Future	Mohammad Asghari, Seyed Mohammad Javad Mirzapour Alehashem	Germany	December 2020	1
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## Journal Papers

### Portal Records

- 1 Ali Majidi, Seyed Mohammad Javad Mirzapour Alehashem, Sarfaraz Hashemkhani Zolfani, "Sustainability Ranking of the Iranian Major Ports by Using MCDM Methods", MATHEMATICS, October 2021 Vol. 9, Num. 19, Page 0-0, October 2021,
- 2 Mahdieh Mirzaei, Seyed Mohammad Javad Mirzapour Alehashem, Mohsen Akbarpour Shirazi, "A maximum-flow network interdiction problem in an uncertain environment under information asymmetry condition: Application to smuggling goods", COMPUTERS & INDUSTRIAL ENGINEERING, September 2021 Vol. 162, Num. 0, Page 0-0, September 2021,
- 3 Hamed Soleimani, Mahsa Mohammadi, Masih Fadaki, Seyed Mohammad Javad Mirzapour Alehashem, "Carbon-efficient closed-loop supply chain network: an integrated modeling approach under uncertainty", ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, September 2021 Vol. 0, Num. 0, Page 0-0, September 2021,
- 4 Mahya Hemmati, Seyed Mohammad Javad Mirzapour Alehashem, Seyyed Mohammad Taghi Fatemi Ghomi, "Heuristic analyses of separate and bundling sales for complimentary products under consignment stock policy", COMPUTERS & INDUSTRIAL ENGINEERING, April 2021 Vol. 0, Num. 0, Page 0-0, April 2021,
- 5 Ramin Bazrafshan, Sarfaraz Hashemkhani Zolfani, Seyed Mohammad Javad Mirzapour Alehashem, "Comparison of the Sub-Tour Elimination Methods for the Asymmetric Traveling Salesman Problem Applying the SECA Method", Axioms, February 2021 Vol. 10, Num. 1, Page 19-33, February 2021,
- 6 Hossein Komasi, Seyed Mohammad Javad Mirzapour Alehashem, "Sustainable supply chain network design using lean principles", , December 2020 Vol. 1, Num. 69, Page 101-116, December 2020,
- 7 Mohammad Asghari, Seyed Mohammad Javad Mirzapour Alehashem, "Green vehicle routing problem: A state-of-the-art review", INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, August 2020 Vol. 0, Num. 0, Page 0-0, August 2020,
- 8 Amir Mohammad Fathollahifard, Abbas Ahmadi, Seyed Mohammad Javad Mirzapour Alehashem, "Sustainable closed-loop supply chain network for an integrated water supply and wastewater collection system under uncertainty", JOURNAL OF ENVIRONMENTAL MANAGEMENT, August 2020 Vol. 275, Num. 111277, Page 0-0, August 2020,
- 9 Farshad Aghajani, Seyed Mohammad Javad Mirzapour Alehashem, "A multi-objective mathematical model for production-distribution scheduling problem", Journal of Industrial and Systems Engineering, January 2020 Vol. 13, Num. 0, Page 121-132, January 2020,
- 10 Mohammad Asghari, Seyed Mohammad Javad Mirzapour Alehashem, "A green delivery-pickup problem for home hemodialysis machines; sharing economy in distributing scarce resources", TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, November 2019 Vol. 134, Num. 0, Page 0-0, November 2019,
- 11 Mahtab Asoodeh, Seyed Mohammad Javad Mirzapour Alehashem, "An Interactive Possibilistic Programming Approach For Designing A 3PL Supply Chain Network Under Uncertainty", Journal of Quality Engineering and Production Optimization, September 2019 Vol. 4, Num. 1, Page 127-152, September 2019,
- 12 Mohammadamin Edalatpour, Seyed Mohammad Javad Mirzapour Alehashem, "Simultaneous pricing and inventory decisions for substitute and complementary items with nonlinear holding cost", Production Engineering-Research and Development, February 2019 Vol. 0, Num. 0, Page 0-0, February 2019,
- 13 Ali Timajchi, Seyed Mohammad Javad Mirzapour Alehashem, Yacine Reikik, "Inventory routing problem for hazardous and deteriorating items in the presence of accident risk with transshipment option", INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, January 2018 Vol. 0, Num. 0, Page 0-0, January 2018,

- 14 Mohammadamin Edalatpour, Seyed Mohammad Javad Mirzapour Alehashem, Behrooz Karimi, Bouchaib Bahli, "Investigation on a novel sustainable model for waste management in megacities: A case study in Tehran municipality", *Sustainable Cities and Society*, October 2017 Vol. 36, Num. 0, Page 286-301, October 2017,
- 15 Seyed Mohammad Javad Mirzapour Alehashem, Yacine Rekik, Ebrahim Mohammadi Hoseinhajloo, "A hybrid L-shaped method to solve a bi-objective stochastic transshipment-enabled inventory routing problem", *INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS*, June 2017 Vol. 0, Num. 0, Page 0-0, June 2017,
- 16 Zeinab Sazvar, Seyed Mohammad Javad Mirzapour Alehashem, Kannan Govindan, Bouchaib Bahli, "A novel mathematical model for a multi-period, multi-product optimal ordering problem considering expiry dates in a FEFO system", *TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW*, June 2016 Vol. 93, Num. 0, Page 232-261, June 2016,



## Conference Papers








### Portal Records

- 1 Meghdad Askarzadeshahi, Seyed Mohammad Javad Mirzapour Alehashem, "Dry port Locating & Transportation Planning by considering demurrage and detention ", 17th Iranian International Industrial Engineering, February 2021
- 2 Hanie Bayat, Seyed Mohammad Javad Mirzapour Alehashem, Mohsen Akbarpour Shirazi, "Multi objective vehicle routing problem in omni-channel distribution systems with time windows ", 7th International Conference on Logistics and Supply Chain Management, December 2020
- 3 Azam Bakhshandeh, Seyed Mohammad Javad Mirzapour Alehashem, Mirmehdi Seyed Esfahani, "Introducing a Genetic Algorithm Based on Extra-heuristic Optimization Method to Reduce the Cost of Personnel Training in Medical Tourism Centers ", First International Conference on Challenges and New Solutions in Industrial Engineering and Management and Accounting, July 2020
- 4 Azam Bakhshandeh, Seyed Mohammad Javad Mirzapour Alehashem, Mirmehdi Seyed Esfahani, "Introducing an optimal multi-objective model for scheduling patients and staff in medical tourism centers ", The Second National Conference in Geography, Environment, Security and Tourism, July 2020
- 5 Azam Bakhshandeh, Seyed Mohammad Javad Mirzapour Alehashem, Mirmehdi Seyed Esfahani, "Developing an optimization model for scheduling of patients in medical tourism centers ", First National Conference on Infection Safety, Control and Prevention in Medical Centers, March 2020
- 6 Azam Bakhshandeh, Seyed Mohammad Javad Mirzapour Alehashem, Mirmehdi Seyed Esfahani, "Developing an optimization model reducing personnel idle time in medical tourism centers ", National Conference on Entrepreneurship and Industrial Engineering, March 2020
- 7 Farshad Aghajani, Seyed Mohammad Javad Mirzapour Alehashem, "A multi-objective mathematical model for production-distribution scheduling problem ", 16th Iranian International Industrial Engineering Conference, January 2020
- 8 Hossein Komasi, Seyed Mohammad Javad Mirzapour Alehashem, "A bi-objective chance-constrained stochastic model for pollution inventory routing problem with pickups and deliveries ", 5th International Conference on Industrial and Systems Engineering, September 2019
- 9 Seyed Mohammad Javad Mirzapour Alehashem, Hessam Soltani, "Disruption management in linear shipping mixed of speedup, skip and swap ", 12th international conferece of iranian operation research society, May 2019
- 10 Nahid Malvandi, Seyed Mohammad Javad Mirzapour Alehashem, "an integrated routing, fleet assignment and revenue management model in aviation industry ", 15th Iran International Tndustrial Engineering Conference, January 2019
- 11 Mahdieh Mirzaei, Seyed Mohammad Javad Mirzapour Alehashem, Mohsen Akbarpour Shirazi, "A maximum flow network interdiction problem (with application smuggling goods) ", 15th iran international industrial engineering conference, January 2019
- 12 Setareh Mohammadi, Seyed Mohammad Javad Mirzapour Alehashem, "An integrated production scheduling and delivery route planning with multipurpose machines: A case study from a furniture manufacturing company ", 20th International Symposium on Inventories, August 2018

- 13 Mahya Hemmati, Seyed Mohammad Javad Mirzapour Alehashem, "An Inventory Model for Complementary Products with Bundling under Consignment Stock Policy ", 20th International Symposium on Inventories, August 2018
- 14 Seyed Mohammad Javad Mirzapour Alehashem, Mahtab Asoodeh, S.Mohammad Moattar Hussein, "An Interactive Possibilistic Programming Approach For Designing A 3PL Supply Chain Network Under Uncertainty ", 14th International Industrial Engineering Conference, February 2018
- 15 Faraz Salehi, Reyhaneh Ashofteh, Seyed Mohammad Javad Mirzapour Alehashem, "Designing supply chain network of relief items in crisis conditions with considering seasonal demand change(Implementation L-shaped method to solve two stage stochastic model) ", 14th International Industrial Engineering Conference, February 2018
- 16 Hossein Soltani, Seyed Mohammad Javad Mirzapour Alehashem, "an integrated green forward and reverse supply network design by considering reliability of parts ", 8th Int. Conference on Accounting & Management, January 2018
- 17 Seyed Mohammad Javad Mirzapour Alehashem, Mahtab Asoodeh, S.Mohammad Moattar Hussein, "An Interactive Possibilistic Programming Approach For Designing A 3PL Supply Chain Network Under Uncertainty ", First National Conference of Management and Fuzzy Systems, November 2017
- 18 Ruzbe Purshamsian, Seyed Mohammad Javad Mirzapour Alehashem, "An integrated routing and scheduling model in maritime transportation industry under disruption condition ", The First International Conference on Systems Optimization and Business Management, August 2017
- 19 Najme Roghani Langarudi, Seyed Mohammad Javad Mirzapour Alehashem, Fateme Heidarzade, "A facility location model for global closed-loop supply chain network design ", The first conference on modeling mathematics and statistics in applied studies, April 2017
- 20 Younes Fathi, Behrooz Karimi, Seyed Mohammad Javad Mirzapour Alehashem, "Cross-dock Door Assignment Problem: A New Linear Mixed Integer Programming Model ", 3rd International Conference on Industrial Engineering & Sustainable Management, December 2016
- 21 Mohammadamin Edalatpour, Seyed Mohammad Javad Mirzapour Alehashem, Behrooz Karimi, "Joint Pricing and Inventory Decisions for Perishable Substitute Products: A Case Study from Food Industries ", 19th International Symposium on Inventories, August 2016
- 22 Ali Timajchi, Yacine Rekik, Seyed Mohammad Javad Mirzapour Alehashem, "Inventory Routing Problem for Deteriorating Items Considering Transshipment Option and Accident Risk ", 19th International Symposium on Inventories, August 2016
- 23 Seyed Mohammad Javad Mirzapour Alehashem, Yacine Rekik, "A Multi-objective Robust Stochastic Model for a Transshipment-enabled Inventory Routing Problem in a Green Supply Chain ", 19th International Symposium on Inventories, August 2016
- 24 Moeen Sammak Jalali, Seyed Mohammad Javad Mirzapour Alehashem, "Performance evaluation of a production/distribution system: A graph theoretic approach ", 3rd International Conference on Research in Science and Technology, July 2016
- 25 Mahtab Asoodeh, Seyed Mohammad Javad Mirzapour Alehashem, S.Mohammad Moattar Hussein, "A bi-objective model for forward-reverse logistics network design for 3pl providers ", International Conference on Green Supply Chain, May 2016

## Taught Courses

#	Course title	Description	Headlines	Date
1	Optimization I	introduction to mathematical modelling; linear models, integer linear models and solving methods of LP models		Fall 2021
2	Modelling and optimization in transport scheduling	Introduction to different modes of transportation (Sea mode, railroad, aviation, and road mode), modelling and optimization of typical transportation scheduling problems and public transport		Fall 2021

3	Motion & Time Study	Productivity, Recording of the current state of the manufacturing companies, and reviewing the timing methods such as stop watch, MTM , etc		Fall 2021
4	Motion & Time Study	Productivity, Recording of the current state of the manufacturing companies, and reviewing the timing methods such as stop watch, MTM , etc		Spring 2021
5	International Logistics	The purpose of this module is to describe how logistics and supply chain management can be combined to achieve world-class business performance.		Spring 2021
6	Inventory Planning & Control I	Inventory systems, inventory costs and its impacts on production planning and replenishment policies are discussed		Spring 2021
7	Optimization I	introduction to mathematical modelling; linear models, integer linear models and solving methods of LP models		Fall 2020
8	Motion & Time Study	Productivity, Recording of the current state of the manufacturing companies, and reviewing the timing methods such as stop watch, MTM , etc		Fall 2020
9	Modelling and optimization in transport scheduling	Introduction to different modes of transportation (Sea mode, railroad, aviation, and road mode), modelling and optimization of typical transportation scheduling problems and public transport		Fall 2020