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CURRENT POSITIONS



2024-Present, **Assistant Professor**

School of Industrial and Systems Engineering

Tarbiat Modares University, Tehran, Iran

EDUCATIONS



2015-2021, **Doctor of Philosophy (Ph.D.) in Industrial Engineering**

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

Dissertation: "Proposing Mathematical Models and Approaches to Coordinate the Blood Transfusion Network Decisions Under Uncertainty"



2013-2015, **Master of Science (M.Sc.) in Industrial Engineering**

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

Thesis: "Developing a Mathematical Model for Two-Echelon Location-Routing Problem Under Customer's Demand Uncertainty Considering the Simultaneous Pickup and Delivery (Case Study: The Company's Saipayadak)"



2008-2012, **Bachelor of Science (B.Sc.) in Industrial Engineering**

School of Industrial Engineering, Sharif University of Technology, Tehran, Iran

Project: "Proposing a Mathematical Model for Balancing the U-Shaped Assembly Lines"

RESEARCH AREAS

- Healthcare Systems
- Uncertainty Programming (Robust/Fuzzy/Stochastic Optimization)
- Resiliency and Sustainability

LECTURER EXPERIENCE



2022-2023, **Lecturer**

Course: "Advanced Operation Research"

M.Sc. Course, First Semester

Iran University of Science and Technology, Tehran, Iran



2022-2023, **Lecturer**

Course: "Optimization Models in Transportation"

M.Sc. Course, First Semester

Iran University of Science and Technology, Tehran, Iran



2021-2022, Lecturer

Course: "Advanced Operation Research"
M.Sc. Course, First Semester
Iran University of Science and Technology, Tehran, Iran



2021-2022, Lecturer

Course: "Optimization Models in Transportation"
M.Sc. Course, First Semester
Iran University of Science and Technology, Tehran, Iran

TEACHING ASSISTANT EXPERIENCE



2016-2021 (In 4 semesters), Teaching Assistant

Course: "Network Analysis"
M.Sc. Course
Iran University of Science and Technology



2014-2021, (In 9 semesters), Teaching Assistant

Course: "Operation Research"
M.Sc. & B.Sc. Courses
Iran University of Science and Technology



2017-2021, (In 4 semesters), Teaching Assistant

Course: "Optimization Models in Transportation"
M.Sc. Course
Iran University of Science and Technology



2011-2014, (In 6 semesters) Teaching Assistant

Course: "Operation Research"
B.Sc. Course
Sharif University of Technology



2013-2014, (In 2 semesters) Teaching Assistant

Course: "Facility Layout and Location"
B.Sc. Course
Sharif University of Technology



2011-2014, (In 3 semesters) Teaching Assistant

Course: "Management Information Systems"
B.Sc. Course
Sharif University of Technology



2012-2014, (In 3 semesters) Teaching Assistant

Course: "Maintenance Management"
B.Sc. Course
Sharif University of Technology

HONORS & AWARDS



2021, Best Researcher among all students in Iran University of Science and Technology



2021, Outstanding PhD Defense Score (Excellent)



2020, Best Researcher among all students in Iran University of Science and Technology



2019, Best Researcher among all students in Iran University of Science and Technology



2015-2021, Member of Iran's National Elites Foundation (INEF)



2017, Ranked 1th among all PhD students in School of Industrial Engineering, Iran University of Science and Technology



2015, Ranked 69th in "National Entry Exam for Ph.D. Studies" (1,800 Participants)



2015, Outstanding M.Sc. Defense Score (GPA: 20/20 – Excellent)



2012, Ranked 92th in "National Entry Exam for M.Sc. Studies" (10,000 Participants)

PUBLICATIONS

ISI Indexed Papers



Samani MRG., Hosseini-Motlagh SM., Homaei S., (2021), "A reactive phase against disruptions for designing a proactive platelet supply network", *Transportation Research Part E: Logistics and Transportation Review*, DOI: <https://doi.org/10.1016/j.tre.2019.07.006>. (Q1, IF: 10.047)



Hosseini-Motlagh SM., **Samani MRG.**, Homaei S., (2023), "Design of control strategies to help prevent the spread of COVID-19 pandemic", *European Journal of Operational Research*, DOI: <https://doi.org/10.1016/j.ejor.2021.11.016>. (Q1, IF: 6.363)



Samani MRG., Hosseini-Motlagh SM., (2023) "Collaborative activities for matching supply and demand in platelet network", *Expert Systems With Applications*, DOI: <https://doi.org/10.1016/j.eswa.2023.120629> (Q1, IF: 8.655)



Hosseini-Motlagh SM., **Samani MRG.**, Farokhnejad P., (2023) "Novel control strategies to order various COVID-19 vaccines using an iterative method to prevent vaccine shortages and increasing reliability in immunization stations", *International Journal of Production Research*. (Q1, IF: 9.2)



Samani MRG., Hosseini-Motlagh SM., (2021), "A novel capacity sharing mechanism to collaborative activities in the blood collection process during the COVID-19 outbreak", *Applied Soft Computing*, DOI: <https://doi.org/10.1016/j.asoc.2021.107821>. (Q1, IF: 8.263)



Samani MRG., Hosseini-Motlagh SM., (2019), "An Enhanced Procedure for Managing Blood Supply Chain under Disruptions and Uncertainties", *Annals of Operations Research*, DOI: <https://doi.org/10.1007/s10479-018-2873-4>. (Q1, IF: 4.820)



Samani MRG., Hosseini-Motlagh SM. Ghannadpour SF., (2019), "A multilateral perspective towards blood network design in an uncertain environment: methodology and implementation", *Computers and Industrial Engineering*, DOI: <https://doi.org/10.1016/j.cie.2019.02.049>. (Q1, IF: 7.180)



Hosseini-Motlagh SM., **Samani MRG.**, Karimi B., (2023) “Resilient and social health service network design to reduce the effect of COVID-19 outbreak”, *Annals of Operations Research*, DOI: <https://doi.org/10.1007/s10479-023-05363-w> (Q1, IF: 4.820)



Hosseini-Motlagh SM., **Samani MRG.**, Faraji MD., (2024), “Dynamic optimization of blood collection strategies from different potential donors using rolling horizon planning approach under uncertainty”, *Computers and Industrial Engineering*, DOI: <https://doi.org/10.1016/j.cie.2024.109908>. (Q1, IF: 7.180)



Samani MRG., Hosseini-Motlagh SM., (2021), “A mixed uncertainty approach to design a bioenergy network considering sustainability and efficiency measures”, *Computers and Chemical Engineering*, DOI: <https://doi.org/10.1016/j.compchemeng.2021.107305>. (Q1, IF: 4.130)



Samani MRG., Hosseini-Motlagh SM., Shiri M., (2023) “Optimizing the bioethanol supply chain network from rice straw under operational and disruption risks”, *Environment, Development and Sustainability*. (Q1, IF: 4.9)



Hosseini-Motlagh SM., **Samani MRG.**, Shahbazbgi V., (2020), “Innovative strategy to design a mixed resilient-sustainable electricity supply chain network under uncertainty”, *Applied Energy*, DOI: <https://doi.org/10.1016/j.apenergy.2020.115921>. (Q1, IF: 11.446)



Samani MRG., Torabi SA., Hosseini-Motlagh SM., (2018), “Integrated blood supply chain planning for disaster relief”, *International Journal of Disaster Risk Reduction*, DOI: <https://doi.org/10.1016/j.ijdr.2017.10.005>. (Q1, IF: 4.842)



Hosseini-Motlagh SM., **Samani MRG.**, Farokhnejad P., (2021), “Designing a testing kit supply network for suspected Covid-19 cases under mixed uncertainty approach”, *Applied Soft Computing*, DOI: <https://doi.org/10.1016/j.asoc.2021.107696>. (Q1, IF: 8.263)



Hosseini-Motlagh SM., **Samani MRG.**, Homaei S., (2020), “Toward a coordination of inventory and distribution schedules for blood in disasters”, *Socio-Economic Planning Sciences*, DOI: <https://doi.org/10.1016/j.seps.2019.07.001>. (Q1, IF: 4.641)



Haeri A., Hosseini-Motlagh SM., **Samani MRG.**, Rezaei M., (2021), “An integrated socially responsible-efficient approach toward health service network design”, *Annals of Operations Research*, DOI: <https://doi.org/10.1007/s10479-021-04066-4>. (Q1, IF: 4.820)



Hosseini-Motlagh SM., **Samani MRG.**, Abbasi F., (2020), “A novel hybrid approach for synchronized development of sustainability and resiliency in the wheat network”, *Computers and Electronics in Agriculture*, DOI: <https://doi.org/10.1016/j.compag.2019.105095>. (Q1, IF: 6.757)



Haeri A., Hosseini-Motlagh SM., **Samani MRG.**, Rezaei M., (2020), “A Mixed Resilient-Efficient Approach toward Blood Supply Chain Network Design”, *International Transactions in Operational Research*, DOI: <https://doi.org/10.1111/itor.12714> (Q1, IF: 3.610)



Haeri A., Hosseini-Motlagh SM., **Samani MRG.**, Rezaei M., (2020), “A bi-level programming approach for improving relief logistics operations: A real case in Kermanshah earthquake”, *Computers and Industrial Engineering*, DOI: <https://doi.org/10.1016/j.cie.2020.106532>. (Q1, IF: 7.180)



Sharifi M., Hosseini-Motlagh SM., **Samani MRG.**, Kalhor T., (2020), “Novel resilient-sustainable strategies for second-generation biofuel network design considering Neem and Eruca Sativa under hybrid stochastic fuzzy robust approach”, *Computers and Chemical Engineering*, DOI: <https://doi.org/10.1016/j.compchemeng.2020.107073>. (Q1, IF: 4.130)



Hosseini-Motlagh SM., **Samani MRG.**, Cheraghi S., (2020), “Robust and Stable Flexible Blood Supply Chain Network Design under Motivational Initiatives”, *Socio-Economic Planning Sciences*, DOI: <https://doi.org/10.1016/j.seps.2019.07.001>. (Q1, IF: 4.641)



Hosseini-Motlagh SM., **Samani MRG.**, Homaei S., (2020), “Blood supply chain management: robust optimization, disruption risk, and blood group compatibility (A real-life case)”, *Journal of Ambient Intelligence and Humanized Computing*, DOI: <https://doi.org/10.1007/s12652-019-01315-0>. (Q1, IF: 3.718)



Samani MRG., Hosseini-Motlagh SM., (2020), "A robust framework for designing blood network in disaster relief: A real-life case", *Operational Research*, <https://doi.org/10.1007/s12351-020-00588-0>. (Q2, IF: 2.708)



Samani MRG., Hosseini-Motlagh SM., Izaddoust M., Shetab Boushehri SN., (2019), "A Bi-Objective Integrated Model for the Uncertain Blood Network Design with Raising Products Quality", *European Journal of Industrial Engineering*, DOI: <http://doi.org/10.1504/EJIE.2019.10021573>. (Q1, IF: 1.593)



Hosseini-Motlagh SM., **Samani MRG.**, Abbasi F., (2019), "Strategic optimization of wheat supply chain network under uncertainty: A real case study", *Operational Research*, DOI: <https://doi.org/10.1007/s12351-019-00515-y>. (Q2, IF: 2.708)



Hosseini-Motlagh SM., Nikkhah Qamsari A., **Samani MRG.**, (2020), "A Robust Possibilistic Approach for Multi-Depot Inventory Routing Problem", *International Journal of Industrial Engineering: Theory, Applications and Practice*. (Q2, IF: 0.537)

SCOPUS & ISC Indexed Papers



Samani MRG., Hosseini-Motlagh SM., (2019), "Evaluation and Selection of Most Preferable Supplementary Blood Centers in The Case of Tehran", *International Journal of Hospital Research*.



Samani MRG., Kheljani JG., (2023), "Optimizing adequacy, effectiveness, and efficiency measures in a robust blood supply chain", *International Journal of Industrial Engineering and Production Research*.



Samani MRG., Hosseini-Motlagh SM., (2017), "A Hybrid algorithm for a two-echelon location-routing problem with simultaneous pickup and delivery under fuzzy demand", *International Journal of Transportation Engineering*.



Samani MRG., Hosseini-Motlagh SM., Yaghoubi S., Jokar A., (2017), "A Multi Objective Stochastic P-Robust Model for Two-Echelon Location-Routing Problem with Simultaneous Pickup and Delivery and Time Windows", *Quarterly Journal of Transportation Engineering*.



Samani MRG., Hosseini-Motlagh SM., Yaghoubi S., Jokar A., (2017), "A Hybrid Metaheuristic Method for Two-Echelon Location-Routing Problem with Pickup and Delivery", *Journal of Industrial Engineering*.



Samani MRG., Hosseini-Motlagh SM., Jokar A., (2017), "Presenting a Model and Heuristic Algorithm for Two-Echelon Location-Routing Problem under Uncertainty Considering the Simultaneous Pickup and Delivery", *Journal of Modeling in Engineering*.



Samani MRG., Hosseini-Motlagh SM., Yaghoubi S., Jokar A., (2017), "Presenting a multi-objective robust-stochastic model for two-echelon location-routing problem with simultaneous pickup-delivery and time windows", *Quarterly Journal of Transportation Engineering*.



Cheraghi S., Hosseini-Motlagh SM., **Samani MRG.**, (2017), "Integrated planning for blood platelet production: a robust optimization approach", *Journal of Industrial and Systems Engineering (SI: Healthcare)*.



Cheraghi S., Hosseini-Motlagh SM., **Samani MRG.**, (2018), "A robust bi-objective model for integrated blood supply chain network design considering transshipment between facilities under uncertainty", *Quarterly Journal of Transportation Engineering*.



Cheraghi S., Hosseini-Motlagh SM., **Samani MRG.**, (2017), "A Robust Optimization Model for Blood Supply Chain Network Design", *International Journal of Industrial Engineering and Production Research*.



Issabakhsh M., Hosseini-Motlagh SM., **Samani MRG.**, (2017), "The Robust Periodic Vehicle Routing Problem of the Home Healthcare of Peritoneal Dialysis patients", *Quarterly Journal of Transportation Engineering*.

REVIEWER

	<i>Omega Journal</i>		<i>European Journal of Operational Research</i>		<i>Expert Systems with Applications</i>		<i>Annals of Operations Research</i>
	<i>Transportation Research Part E: Logistics and Transportation Review</i>		<i>Applied Soft Computing</i>		<i>Computers & Operations Research</i>		<i>Healthcare Analytics</i>
	<i>Applied Energy</i>		<i>Socio-Economic Planning Sciences</i>		<i>Journal of Ambient Intelligence and Humanized Computing</i>		<i>International Transactions in Operational Research</i>
	<i>International Journal of Disaster Risk Reduction</i>		<i>Operational Research</i>		<i>Computers and Chemical Engineering</i>		<i>International Journal of Production Research</i>
	<i>Engineering Optimization</i>		<i>Computers and Industrial Engineering</i>		<i>Environment, Development and Sustainability</i>		<i>Computers and Electronics in Agriculture</i>
	<i>European Journal of Industrial Engineering</i>		<i>International Journal of Logistics Research and Applications</i>		<i>Results in Engineering</i>		<i>Journal of the Operational Research Society</i>
	<i>Engineering Applications of Artificial Intelligence</i>		<i>Applied Mathematical Modelling</i>		<i>International Journal of Production Economics</i>		<i>Healthcare Analytics</i>