Dr. Majid Eskandarpour

Professor in Operations Management

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Strategy, Entrepreneurship and Operations Department
EDHEC Business School

Operations Management group
Lille, France

Research Interests

Sustainable supply chain management, transportation and logistics network design, production planning, product line design, offshore wind farms, integer programming, stochastic programming, metaheuristics.

Education

Ecole des Mines de Nantes, Nantes, France

Ph.D, Operations research, Oct. 2011 - Dec. 2014

- Dissertation title: "Generic models and algorithms for sustainable supply chain design"
- Advisors: Prof. P. Dejax, Dr. O. Péton, and Dr. J. Miemczyk

Tarbiat Modares University, Tehran, Iran

M.Sc., Industrial Engineering, Sep. 2008 - Jan. 2011

- Dissertation title: "Developing a multi-objective closed-loop reverse network design using parallel VNS approach"
- Advisor: Prof. Seyed Hessameddin Zegordi

Azad University, Tehran, Iran

B.Sc., Industrial Engineering, Sep. 2000 - Feb. 2006

Employment

Academia

EDHEC Business School, Lille, France
Full Professor in Operations Management — **Sep. 2025 - Present**

IÉSEG School of Management, Paris and Lille, France
Associate Professor in Operations Management — **Sep. 2023 - Aug. 2025**
Assistant Professor in Operations Management — **Jan. 2018 - Aug 2023**

University Of Portsmouth, Portsmouth, UK
Post-doctoral Research fellow in Applied Operational Research — **Feb. 2016 - Dec. 2017**

Industries

Solico, Tehran, Iran
Industrial and Planning expert — **Dec. 2010 - Oct. 2011**

Iran booster (Manufacture of Auto Brake System), Tehran, Iran
Production planning manager — **Nov. 2006 - Nov. 2008**

Frapaco, Tehran, Iran

Project Control expert **Aug. 2005 - Sep. 2006**

Research and Innovation

September. 2016 - August 2017: **Phase 2: A Risk Based Meta-Heuristic for Real-Time Route Optimisation of ASV's**; A consortium of 4 companies: Polaris Consulting Ltd, University of Portsmouth, ASV Unmanned Marine Systems and BMT ARGOSS.

Feb. 2016 - July. 2016: **Phase 1: A Risk Based Meta-Heuristic for Real-Time Route Optimisation of ASV's**; A consortium of 4 companies: Polaris Consulting Ltd, University of Portsmouth, ASV Unmanned Marine Systems and BMT ARGOSS.

Feb. 2016 - May. 2016: **Airport safety landing/take off model in the presence of obstacles-Goodwood airport**; Partner: Turbulent Simulation Ltd.

Peer-reviewed Publications

Hasani, A., **Eskandarpour, M.**, Jones, D. Health care network design with multiple objectives and stakeholders. *Annals of Operations Research*, In press, 2023.

Alikhani, R., **Eskandarpour, M.**, Jahani, H. Collaborative distribution network design with surging demand and facility disruptions. *International Journal of Production Economics*, 262: 108912, 2023.

Irawan, C., Starita, S., Chan, HK., **Eskandarpour, M.**, Reihaneh, M. Routing in offshore wind farms: A multi-period location and maintenance problem with joint use of a service operation vessel and a safe transfer boat. *European Journal of Operational Research*, 307(1): 328-350, 2023.

Reihaneh, M., Abouei, M., **Eskandarpour, M.**, An exact algorithm for the redundancy allocation problem with heterogeneous components under the mixed redundancy strategy. *European Journal of Operational Research*, 297(3): 1112-1125, 2022.

Irawan, C., **Eskandarpour, M.**, Ouelhadj, D., Jones, D. Simulation-based optimisation for stochastic maintenance routing in an offshore wind farm. *European Journal of Operational Research*, 289(3): 912-926, 2021.

Eskandarpour, M., Dejax, P., Péton O., Multi-directional local search for sustainable supply chain network design. *International Journal of Production Research*, 59(2): 412-428, 2021.

Hatami, S., **Eskandarpour, M.**, Chica, M., Juan, AA., Ouelhadj, D. Green hybrid fleets using electric vehicles: solving the heterogeneous vehicle routing problem with multiple driving ranges and loading capacities. *SORT-Statistics and Operations Research Transactions*, 44(1): 141-170, 2020.

Eskandarpour, M., Ouelhadj, D., Hatami, S., Juan, A., Khosravi, B. Enhanced multi-directional local search for the bi-objective heterogeneous vehicle routing problem with multiple driving ranges. *European Journal of Operational Research*, 277(2): 479-491, 2019.

Eskandarpour, M., Dejax, P., Péton O., A large Neighborhood Search based heuristic for Supply Chain Network Design. *Computers & Operation Research*, 80: 23-37, 2017.

Eskandarpour, M., Dejax, P., Miemczyk, J., Péton O., Sustainable supply chain network design: an optimization-oriented review. *Omega*, 54: 11-32, 2015.

Eskandarpour, M., Nikbakhsh, H., Zegordi, H., Variable neighborhood search for the bi-objective

post-sales network design problem: A fitness landscape analysis approach. *Computers & Operations Research*, 52(B): 300-314, 2014.

Eskandarpour, M., Zegordi, H., Nikbakhsh, H., A parallel variable neighborhood search for the multi-objective sustainable post-sales network design problem. *International Journal of Production Economics*, 145(1): 117-131, 2013.

Eskandarpour, M., Masehian, E., Soltani, R., Khosrojerdi, A., A reverse logistics network for recovery systems and a robust metaheuristic solution approach. *The International Journal of Advanced Manufacturing Technology*, 74: 1393-1406, 2014.

Hassani, A., Soltani, R., **Eskandarpour, M.**, An efficient Hybrid Meta-heuristic Approach for Solving an Integrated Dynamic Layout and Transportation System Design problem. *International Journal of Engineering*, 28(8): 1175-1185, 2015.

Technical note

Eskandarpour, M., Hassani, A., Comprehensive Decision Modeling of Reverse Logistics System: A Multi-criteria Decision Making Model by using Hybrid Evidential Reasoning Approach and TOPSIS. *International Journal of Engineering*, 28(6): 922-931, 2015.

Conference Proceedings

Eskandarpour, M., Dejax, P., Péton O., A large neighborhood search based heuristic for supply chain network design. *Proceedings of the ILS 2014 conference*, Breda: The Netherlands, 10 pages, August 2014.

Eskandarpour, M., Nikbakhsh, H., and Zegordi, H., A Novel Bi-Objective Multi-Product Post-Sales Reverse Logistics Network Design Model, *Proceedings of the 36th MATADOR Conference*, Manchester, Pages 119-122, July 2010.

Book Chapters

Eskandarpour, M., Ouelhadj, D., Fletcher, G., Chapter 11 - Decision Making Using Metaheuristic Optimization Methods in Sustainable Transportation. In Sustainable Transportation and Smart Logistics, Elsevier, 285-304, 2019.

Nikbakhsh, E., **Eskandarpour, M.**, Zegordi, S.H., Designing a robust post-sales reverse logistics network. In Ao, S.-I., Gelman, L. (Eds.), *Electrical Engineering and Intelligent Systems*, Volume 130, Berlin, Springer, 313-325, 2013.

External Funding

Optimizing medical device sustainment while accounting for environmental, human health, and economic impacts; Allocation Recherche Région Hauts-de-France, September 2024 - August 2027

- PI: Ronald McGarvey, IÉSEG School of Management
- Co-PI: Majid Eskandarpour, IÉSEG School of Management
- Total Funded €101,590.00

Risk Based Meta Heuristic Model for Real Time Route Optimisation (Phase 2); Defence Science and Technology Laboratory, June September 2016 - August 2017

- PI: Polaris Consulting Limited, Portsmouth, UK
- Co-PI: Djamila. Ouelhadj, University of Portsmouth
- Co-PI: Majid Eskandarpour, IÉSEG School of Management

- Total Funded £80,000.00

Risk Based Meta Heuristic Model for Real Time Route Optimisation (Phase 1); Defence Science and Technology Laboratory, February 2016 - June 2016

- PI: Djamila. Ouelhadj, University of Portsmouth
- Co-PI: Majid Eskandarpour, IÉSEG School of Management
- Total Funded £10,300.00

Ph.D. and Postdoctoral Advisees

IÉSEG School of Management

- Hossein Kiyanpour, Ph.D. Operations Management, current (advisor)
- Niteesh Yadav, Postdoctoral, current (advisor)

Referee Service

European Journal of Operational Research
International Journal of Production Economics
Transportation research Part D and E
Omega
Neural Computing and Applications
Journal of industrial engineering international

Teaching Experience

Department of Operations Management, IÉSEG School of Management, Lille and Paris, France

Jan 2018 - Present: I have designed and lectured courses such as Industrial realities and Managing resources as the course coordinator for graduate level and Decision Modelling and Analysis, Decision making under uncertainty, Decision tools for Operations management, Corporate social responsibility for operations management, and Research seminar for Postgraduate level.

Department of Mathematics, University of Portsmouth, Portsmouth, UK

Feb 2016 - Dec 2017: I have lectured and participated in setting up the assessments and marking for logistics modelling (on average 60 students, Postgraduate level) and Operations management (on average 60 students, Postgraduate level) units.

Feb 2016 - Dec 2017: Laboratory assistant for logistics modelling (on average 60 students, Postgraduate) and Modern Computational Methods for Operational Research and Logistics (on average 50 students, undergraduate) units.

Department of Production and Logistics, Ecole des Mines de Nantes, Nantes, France

2012 - 2014: Teaching assistant for Production planning and management and Planning and optimization of Supply chains units (on average 15 students, Postgraduate), .

Industrial engineering department, Parand University, Tehran, Iran

2011: I have designed and lectured for Multiple Objective Decision Making, Fuzzy Set Theory and Computer application in industrial engineering units (on average 40 students, undergraduate level).

Other educational certificates	**IÉSEG Pedagogical certificate** *IÉSEG School of Management, Paris, France*	**2018-2019**
	Matlab Fundamentals	
	MathWorks Training Services, Portsmouth, UK	**Mar. 2016**
	Integrated Management System	
	BUREAU VERITAS, Tehran, Iran	**May. 2011**
	Statistical Process Control	
	Pishgam Pouyesh System, Tehran, Iran	**Feb. 2007**
	ISO 9001:2000 Standard	
	TUV AUSTRIA, Tehran, Iran	**Mar. 2004**

Professional Memberships

Iranian Operations Research Society (IORS)
Iran Institute of Industrial engineering (IIIE)
Euro Working Group on Locational Analysis (EWGLA)
Société française de Recherche Opérationnelle et Aide à la Décision (ROADEF)
Modélisation, Analyse et Conduite des Systèmes Dynamiques (GDR MACS)

Honors and Awards

Ranked 13th among more than 5000 applicants for M.Sc. in Industrial Engineering, Sep. 2008
Ranked 25th among more than 5000 applicants for B.Sc. in Industrial Engineering, Sep. 2000

Computer Skills

- Programming Languages: C/C++, Java, Matlab, Python
- Optimization Packages: CPLEX, LINGO
- Statistical Packages: Minitab, SPSS, Python
- Simulation Software: Arena, Simul8
- General Software: MS windows, MS Office (Word, Excel, PowerPoint, Project, Visio), LaTeX

Languages

Persian (Native), English (Working-Level Proficiency), French (Upper Intermediate)

References

Prof. Ronald Mcgarvy, IÉSEG School of Management
E-mail: r.mcgarvey@IÉSEG.fr.

Prof. Dylan Jones, University of Portsmouth
E-mail: dylan.jones@port.ac.uk.

Prof. Djamila Ouelhadj, University Of Portsmouth
E-mail: djamila.ouelhadj@port.ac.uk.

Prof. Pierre Dejax, Former professor at IMT Atlantique
E-mail: pierre.dejax@gmail.com.