Milad Baghersad

Associate Professor
Director, Supply Chain Management Program
Department of Information Technology & Operations Management
College of Business, Florida Atlantic University
Fleming Hall 215, Boca Raton Campus
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EDUCATION/EMPLOYMENT HISTORY

Education

Ph.D. in Business 2018
Pamplin College of Business, Virginia Tech, Blacksburg, VA
Major: Business Information Technology
Secondary Major: Disaster Risk Management
Dissertation: *Firms' Resilience to Supply Chain Disruptions*

M.Sc. in Industrial Engineering 2013
University of Tehran, Tehran, Iran

B.Sc. in Industrial Engineering 2011
K. N. Toosi University of Technology, Tehran, Iran

Employment

Associate Professor (with tenure) Aug. 2025 – present
Dept. of Information Technology & Operations Management
College of Business, Florida Atlantic University

Assistant Professor Aug. 2019 – July 2025
Dept. of Information Technology & Operations Management
College of Business, Florida Atlantic University

Visiting Assistant Professor Aug. 2018 – June 2019
Dept. of Operations & Supply Chain Management
Monte Ahuja College of Business, Cleveland State University

RESEARCH INTERESTS

Supply Chain Management · Supply Chain Disruptions and Firm Resilience · Humanitarian and Disaster Operations · Critical Infrastructure and Public Service Systems · Business Analytics and Machine Learning for Operations

SCHOLARSHIP/RESEARCH/CREATIVE ACTIVITY

Papers Under Review

1. Zobel, C. W., Pamukcu, D., and Baghersad, M. Characterizing the Resilience of Public Service Systems during Disasters. ***Production and Operations Management***. **Reject and Resubmit.**

Refereed Journal Articles

1. Baghersad, M., and Huang, C. D. Epistemic Monoculture in Risk Assessment: Common-Cause Blind Spots in AI–Human Teaming. ***Risk Analysis***. Accepted.

2. Namdar, J., Modi, S., Azadegan, A., and Baghersad, M. Benefits of Extreme Political Stability and Instability of Suppliers' Countries for Firms: The U-Shaped Relationship. ***Production and Operations Management***. Accepted

3. Neshenko, N., Bou-Harb, E., Furht, B., and Baghersad, M. (2025). A Deep Learning-based Adaptive Cyber Disaster Management Framework. ***Journal of Big Data***, *12*(179). https://doi.org/10.1186/s40537-025-01241-3

4. Baghersad, M., Zobel, C. W., Farahani, M., and Behara, R. S. (2024). Trade-offs Between Equity and Efficiency in Prioritizing Critical Infrastructure Investments: A Case of Stormwater Management Systems. ***Production and***

Operations Management, *34*(4), 590–611.
https://doi.org/10.1177/10591478241243387

5. Baghersad, M., Gumus, G., Huang, C. D., and Behara, R. S. (2024). Regional Policy Coordination of Pandemic Responses Using An Iterative Mobility-driven Algorithm. ***Regional Studies***, *58*(2), 393–408.
https://doi.org/10.1080/00343404.2023.2220749

6. Baghersad, M., Emadikhiav, M., Huang, C. D., and Behara, R. S. (2023). Modularity Maximization to Design Contiguous Policy Zones for Pandemic Response. ***European Journal of Operational Research***, *304*(1), 99–112.
https://doi.org/10.1016/j.ejor.2022.01.012

7. Baghersad, M., Zobel, C. W., Lowry, P. B., and Chatterjee, S. (2022). The Roles of Prior Experience and the Location on the Severity of Supply Chain Disruptions. ***International Journal of Production Research***, *60*(16), 5051–5070.
https://doi.org/10.1080/00207543.2021.1948136

8. Baghersad, M., and Zobel, C. W. (2022). Organizational Resilience to Disruption Risks: Developing Metrics and Testing Effectiveness of Operational Strategies. ***Risk Analysis: An International Journal***, *42*(3), 561–579.
https://doi.org/10.1111/risa.13769

9. Huang, C. D., Baghersad, M., Behara, R. S., and Zobel, C. W. (2022). Optimal Investment in Prevention and Recovery for Mitigating Epidemic Risks. ***Risk Analysis: An International Journal***, *42*(1), 206–220.
https://doi.org/10.1111/risa.13707

10. Kazemian, I., Torabi, S. A., Zobel, C. W., Li, Y., and Baghersad, M. (2022). A Multi-attribute Supply Chain Network Resilience Assessment Framework Based on SNA-inspired Indicators. ***Operational Research***, *22*, 1853–1883.
https://doi.org/10.1007/s12351-021-00644-3

11. Baghersad, M., and Zobel, C. W. (2021). Assessing the Extended Impacts of Supply Chain Disruptions on Firms: An Empirical Study. ***International Journal of Production Economics***, *231*, 107862.
https://doi.org/10.1016/j.ijpe.2020.107862

12. Zobel, C. W., MacKenzie, C. A., Baghersad, M., and Li, Y. (2021). Establishing a Frame of Reference for Measuring Disaster Resilience. ***Decision Support Systems***, *140*, 113406.
https://doi.org/10.1016/j.dss.2020.113406

13. Koufteros, X. A., Babbar, S., Behara, R. S., and Baghersad, M. (2021). OM Research: Leading Authors and Institutions. ***Decision Sciences***, *52*(1), 8–77.
https://doi.org/10.1111/deci.12452

14. Mena, C., Melnyk, S. A., Baghersad, M., and Zobel, C. W. (2020). Sourcing Decisions Under Conditions of Risk and Resilience: A Behavioral Study. ***Decision Sciences***, *51*(4), 985–1014.
https://doi.org/10.1111/deci.12403

15. Sithipolvanichgul, J., Abrahams, A. S., Goldberg, D. M., Zaman, N., Baghersad, M., Nasri, L., and Ractham, P. (2020). Safeguarding Korean Export Trade through Social Media-Driven Risk Identification and Characterization. ***Journal of Korea Trade***, *24*(8), 39–62.
https://doi.org/10.35611/jkt.2020.24.8.39

16. Zobel, C. W., and Baghersad, M. (2020). Analytically Comparing Disaster Resilience across Multiple Dimensions: Leveraging 311 Data. ***Socio-Economic Planning Sciences***, *69*, 100679.
https://doi.org/10.1016/j.seps.2018.12.005

17. Nasri, L., Baghersad, M., Gruss, R., Marucchi, N., Abrahams, A. S., and Ehsani, J. P. (2018). An Investigation into Online Videos as a Source of Safety Hazard Reports. ***Journal of Safety Research***, *69*, 89–99.
https://doi.org/10.1016/j.jsr.2018.03.004

18. Baghersad, M., and Zobel, C. W. (2015). Economic Impact of Production Bottlenecks Caused by Disasters Impacting Interdependent Industry Sectors. ***International Journal of Production Economics***, *168*, 71–80.
https://doi.org/10.1016/j.ijpe.2015.06.011

19. Torabi, S. A., Baghersad, M., and Mansouri, S. A. (2015). Resilient Supplier Selection and Order Allocation under Operational and Disruption Risks. ***Transportation Research Part E***, *79*, 22–48.
https://doi.org/10.1016/j.tre.2015.03.005

20. Azadeh, A., Baghersad, M., Farahani, M. H., and Zarrin, M. (2015). Semi-online Patient Scheduling in Pathology Laboratories. ***Artificial Intelligence in Medicine***, *64*(3), 217–226.
https://doi.org/10.1016/j.artmed.2015.05.001

21. Azadeh, A., Hosseinabadi Farahani, M., Torabzadeh, S., and Baghersad, M. (2014). Scheduling Prioritized

Patients in Emergency Department Laboratories. ***Computer Methods and Programs in Biomedicine***, *117*(2), 61–70.
https://doi.org/10.1016/j.cmpb.2014.08.006

22. Rabbani, M., Baghersad, M., and Jafari, R. (2013). A New Hybrid GA-PSO Method for Solving Multi-period Inventory Routing Problem with Considering Financial Decisions. ***Journal of Industrial Engineering and Management***, *6*(4), 909–929.
http://dx.doi.org/10.3926/jiem.629

Refereed Book Chapters

1. Zobel, C. W., Baghersad, M., and Zhang, Y. (2018). An Approach for Quantifying the Multidimensional Nature of Disaster Resilience in the Context of Municipal Service Provision. In: Fekete A., Fiedrich F. (eds) Urban Disaster Resilience and Security – Addressing Risks in Societies. The Urban Book Series. Springer, Cham. https://doi.org/10.1007/978-3-319-68606-6_15

Books

1. Torabi, S. A., and Baghersad, M. (2016). Multi-attribute decision-making techniques: an applied approach, University of Tehran Press, Tehran – Book in Farsi. http://press.ut.ac.ir/book_2936.html

Refereed Conference Proceedings

1. Baghersad, M., Zobel, C. W., and Behara, R. S. (2020). Evaluation of Local Government Performance after Disasters, Proceedings of the 17th International ISCRAM Conference, Blacksburg, VA, USA, May 2020 (Virtual Meeting), 210-217.
2. Zobel, C. W., Baghersad, M., and Zhang, Y. (2017). Calling 311: evaluating the performance of municipal services after disasters, Proceedings of the 14th International ISCRAM Conference, Albi, France, May 2017, 164-172. → Resulting in a journal publication.
3. Torabi, S. A., Aghajani, M., and Baghersad, M. (2016). A novel procurement model for humanitarian relief supply chains, Proceedings of POMS 27th Annual Conference, Orlando, Florida, USA, May 2016.
4. Torabi, S. A., Baghersad, M., and Meisami, A. (2013). Emergency Relief Routing and Temporary Depots Location Problem with considering Roads Restoration, Proceedings of POMS 24th Annual Conference, Denver, Colorado, USA, May 2013.
5. Torabi, S. A., Baghersad, M. (2013). A multi-objective inventory routing problem with back-order and lateral trans-shipments, Proceedings of 9th International Industrial Engineering Conference, Tehran, Iran, January 2013. → Resulting in a journal publication.
6. Baghersad, M., Meisami, A., Azadeh, A., Hosseinabadi Farahani, M., (2013). Patient scheduling in the pathology laboratory, Proceedings of the 44th Annual Meeting of the Decision Sciences Institute, Baltimore, Maryland, USA, November 2013. → Resulting in a journal publication.

Refereed Conference Presentations

1. Baghersad, M., and Farahani, M. (2026). Strategic Volunteering: The Role of Information and Early Turnout. POMS 36th Annual Conference, Reno, NV, May 2026.
2. Baghersad, M., Zobel, C. W., Farahani, M., and Behara, R. S. (2024). Trade-offs Between Equity and Efficiency in Prioritizing Critical Infrastructure Investments for Stormwater Management Systems. POMS 34th Annual Conference, Minneapolis, MN, April 2024.
3. Baghersad, M., Zobel, C. W., Farahani, M., and Behara, R. S. (2023). Resource Allocation Strategies in Critical Infrastructure Improvement Projects. DSI Annual Conference, Atlanta, GA, November 2023. → Resulting in a journal publication.
4. Baghersad, M., Zobel, C. W., Farahani, M., and Behara, R. S. (2023). Equity-Based Critical Infrastructure Investments. POMS 33rd Annual Conference, Orlando, FL, May 2023.
5. Baghersad, M., Emadikhiav, M., Huang, C. D., and Behara, R. S. (2021). Designing Pandemic Response Policy Zones. POMS 31st Annual Conference, Online. → Resulting in a journal publication.
6. Baghersad, M., and Zobel, C. W. (2017). Firms' resilience to supply chain disruptions, Manufacturing and Service Operations Management Annual Conference, Chapel Hill, NC, June 2017. → Resulting in a journal publication.

7. Baghersad, M., and Zobel, C. W. (2017). Effectiveness of operational slack and diversification strategies in improving firms' resilience against supply chain disruptions, POMS 28th Annual Conference, Seattle, WA, May 2017. → Resulting in a journal publication.
8. Baghersad, M., and Zobel, C. W. (2017). Effectiveness of resilience strategies against supply chain disruptions: An empirical study, 2017 INFORMS Annual Conference, Houston, TX, October 2017.
9. Baghersad, M., and Zobel, C. W. (2017). Impacts of supply chain disruptions on firms' performance: role of disruptions origin and past experience. 48th Annual Meeting of the Decision Sciences Institute, Washington D.C., November 2017. → Resulting in a journal publication.
10. Baghersad, M., and Zobel, C. W. (2016). Does higher production resilience lead to a higher sales and stock price resilience? POMS 27th Annual Conference, Orlando, Florida, May 2016.
11. Baghersad, M., and Zobel, C. W. (2015). Measuring Supply Chain Resilience with Consideration of Customer Behavior. POMS 26th Annual Conference, Washington D.C., May 2015.

Grants

1. FAU COECS-ISENSE Seed Funding, Co-PI, $20K, 2021.
2. Doctoral Summer Research Grant, Pamplin College of Business, Virginia Tech, Summer 2016 ($7,500).

Media Coverage

1. FAU study shows where money is best spent to fight a pandemic
   - Boca Raton Tribune: https://www.bocaratontribune.com/bocaratonnews/2021/03/fau-study-shows-where-money-is-best-spent-to-fight-a-pandemic/
   - Medical Xpress: https://medicalxpress.com/news/2021-03-money-spent-pandemic.html
   - FAU News Desk: https://www.fau.edu/newsdesk/articles/pandemic-prevention.php
2. FAU study offers new model for coordinating pandemic policies
   - FAU News Desk: https://www.fau.edu/newsdesk/articles/covid-policies.php

AWARDS AND HONORS

- **College of Business's Scholar of the Year Award** (at the Assistant Professor Level – 2023), Florida Atlantic University.
- **Dean's Outstanding Junior Faculty Research Fellow Award** (2022-2023 academic year), College of Business, Florida Atlantic University.
- **Doctoral Summer Research Grant** ($7,500, Summer 2016), Pamplin College of Business, Virginia Tech.
- **Funded by Interdisciplinary Graduate Education Program at Virginia Tech** – Disaster Resilience Program, 2014-2016.
- **Award for the First Rank M.S. Graduating Student in Industrial Engineering**, University of Tehran, 2013.

TEACHING AND MENTORING

Courses Taught and Scheduled

- Supply Chain Analytics (Graduate; Spring 2027, scheduled)
- Operations Management (Undergraduate; 2018–2019)
- Advanced Business Analytics (Graduate; 2019–Current)
- Data Mining and Predictive Analytics (Graduate; 2019–Current)
- Big Data Research Methods (Ph.D. Seminar; 2024–2026)
- Quantitative Methods II (Introduction to Management Science) (Undergraduate; Summer 2017)

Community Engaged Instruction

- Mentor, IMI-FAU Supply Chain Analytics Case Competition (Spring 2024)
  - FAU News Desk: FAU hosts successful supply chain competition with IMI https://www.fau.edu/newsdesk/articles/supply-chain-competition-winners-imi.php
- IMI-FAU Supply Chain Analytics Case Competition (Spring 2027)

Doctoral Student Advising — Advisor

- Sayed Abu Sayeed, Ph.D. Student, Florida Atlantic University, Present

Doctoral Student Advising — Co-Advisor

- Mary J. Donald, Ph.D. Student, Florida Atlantic University, Present
  Dissertation: "Managing Supplier Relationships in the Aerospace Sector"

Dissertation Committee Member

- Niaz Mohammed, Ph.D. Student, Florida Atlantic University, Present
- Antonio Ogaz-Munoz, Ph.D., Florida Atlantic University, 2025
- Aneisha Daniel, Ph.D., Florida Atlantic University, 2024
- Nihat Ahmed, Ph.D., Florida Atlantic University, 2023

SERVICE AND PROFESSIONAL DEVELOPMENT

Service to the Discipline/Profession

- Chair, Doctoral Research Showcase Award – DSI Annual Conference 2026
- Track co-chair – ISCRAM Conference 2021, 2026, and 2027
- Reviewer (Ad-Hoc): Production and Operations Management, Journal of Operations Management, European Journal of Operational Research, International Journal of Production Research, International Journal of Production Economics, Journal of Supply Chain and Operations Management, Computers & Industrial Engineering, Journal of Cleaner Production, and numerous other reputable journals.

Service to the Institution

- Member, University Faculty Senate (Fall 2022 – Current)
- Chair, ITOM Department Assessment and Assurance of Learning (AOL) Committee for Graduate Programs (Fall 2024 – Current)
- Member, Provost's Quantum Computing Task Force (Spring 2026 – Current)
- Member, ITOM Ph.D. Committee (Spring 2022 – Current)
- Member, ITOM Faculty Search Committees (4 searches)

Service to the Community/Public

- Vice President of Iranian Society at Virginia Tech (ISVT), 2017-2018.

Professional Development

- Certificate in Effective College Instruction by the Association of College and University Educators (ACUE): https://api.badgr.io/public/assertions/6_uXe6ZUTquSgdqgu3wZDQ
  - Microcredentials in Creating an Inclusive and Supportive Online Learning Environment
  - Microcredentials in Designing Learner-Centered and Equitable Courses
  - Microcredentials in Inspiring Inquiry and Lifelong Learning in Your Online Course
  - Microcredentials in Promoting Active Learning Online
- Virginia Tech Future Professoriate Certificate (2018)

[*November 14, 2026*]