

Maryam Mahdikhani

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Education

The State University of New Jersey - Rutgers University 2020
Newark, New Jersey, USA
Rutgers Business School
Ph.D. in Supply Chain Management

Thesis title: Essays on retail operations and the recent pandemic (COVID-19):
using mathematical and text-mining approaches
Chair: Dr. Yao Zhao

Shahid Bahonar University - Iran 2012
M.Sc. in Operations Management, *Summa cum laude*

Sharif University of Technology - Iran 2009
Engineering School-Golpayegan Campus
B.S. in Industrial Engineering

Publications

- 1- **Mahdikhani. M**, 2022 “Predicting the popularity of tweets by analysing public opinion and emotions in different stages of Covid-19 pandemic”, Vol 2, Issue 1, *International Journal of Information Management – Data Insights*
<https://doi.org/10.1016/j.jjime.2021.100053>

Publications under review

- 1- **Mahdikhani. M**, 2022. “Mining the frequent terms from online reviews on fashion field to predict the review helpfulness” *International Journal of Information Management – Data Insights*, [Status: **Accepted, Forthcoming in March 2023**]
- 2- **Mahdikhani. M**, Mahdikhani. Ma, Gonzalez. M, Teixeira. R, 2022, “A scientometrics review of high-technology and supply chain: current status, and future directions” *Journal of Management Decision*, [Status: Minor revision, 2nd review].
- 3- **Mahdikhani. M**, 2022. “Systematic analysis of the Total Quality Management and Lean Six Sigma impacts on Supply Chain Management research fields” *Total Quality Management & Business Excellence*, [Status: Under review]

- 4- Gonzalez. M, Quesada. G, **Mahdikhani. M**, Gonzalez. S, 2022, “LPI: A benchmarking analysis of USMECA, MERCOSUR, and CAFTA-DR countries”, *Benchmarking: An International Journal*, [Status: Under review]

Working papers

- 1- Biedova, O., **Mahdikhani. M**, “Emerging topic in Supply Chain Management literature: a scientometric analysis”, [Status : Submitted to Scientometrics Journal]
- 2- Guttentag, D., **Mahdikhani. M**, (equal authorship) “Big data Analysis on Airbnb reviews: Machine Learning approach”, [Status: Working process]
- 3- **Mahdikhani. M**, “COVID-19 Government Response and Supply chain impact in USA, Canada and Europe”, [Status: Working process]
- 4- **Mahdikhani. M** “Port productivity performance analysis in pre and post- Covid-19: USA ports”, [Status: Working process]

Conference proceedings

1. **Mahdikhani. M**, 2023 “Total Quality Management and Business Continuity approach on Supply Chain Management research field” proceeding of SAMIBC Conference, Nashville, TC, USA
2. **Mahdikhani. M**, 2022 “The importance role of TQM and LSS concepts in the current state of SCM research field and its future direction” proceeding of SEINFORMS Conference, Myrtle Beach, SC, USA
3. **Mahdikhani. M**, 2022 “What type of tweets are shared during Covid-19? Sentiment Analysis approach” proceeding of SEDSI Conference, Jacksonville, FL, USA.
4. **Mahdikhani. M**, 2022 “Public opinion on Covid-19 vaccination on Twitter platform” proceeding of 40th Euro Global Summit and Expo on Vaccines & Vaccination, Madrid, Spain.
5. Gonzalez. M, Quesada. G, **Mahdikhani. M**, 2022 “Port Productivity: A Benchmarking analysis among strategic ports” proceeding of European Decision Science, Dublin, Ireland.
6. **Mahdikhani. M**, 2021 “Predicting Review Helpfulness by Analyzing Imbalanced Classifications” proceeding of INFORMS Conference, Anaheim, CA, USA.
7. Biedova. O, **Mahdikhani. M**, 2021 “Supply Chain Management and COVID-19: Scientometrics Analysis” proceeding of INFORMS Conference, Anaheim, CA, USA.

8. **Mahdikhani. M**, 2021 “Sentiment Analysis on tweets related to fake information about Covid-19” proceeding of SEINFORMS Conference, Myrtle Beach, SC, USA.
9. **Mahdikhani. M**, 2021 “Sentiment Analysis on Tweets Across the Development of COVID-19” proceeding of DSI Conference, Virtual 2021
10. **Mahdikhani. M**, 2020 “Sentiment Analysis on Tweets Across the Development of COVID-19” proceeding of INFORMS Conference, Virtual 2020
11. **Mahdikhani. M**, 2020 “Sentiment Analysis on Luxury products Reviews- Amazon Fashion” proceeding of DSI Conference, Virtual 2020

Certifications

Green Belt Certification- Six Sigma	June 2022
Black Belt Certification- Six Sigma	July 2022

Teaching experience

MBA Course:

Operations Management – 3 credits
Spring 2021

Undergraduate Courses:

Lean and Six Sigma – 3 credits

Spring 2023

Business Statistics – 3 credits

Spring 2023 (two sections)

Spring 2022 (two sections)

Fall 2022 (two sections)

Supply Chain planning analysis– 3 credits

Fall 2021

Fall 2020

Production and Operations Management

Fall 2022

Spring 2022

Fall 2021

Spring 2021(two sections)

Fall 2020

The State University of New Jersey - Rutgers University

MBA Courses:

Business Analytics – 3 credits
Fall 2019
Summer 2018

Healthcare Service Management – 3 credits
Spring 2018

Undergraduate Courses:

Business Research Method – 3 credits
Spring 2019
Spring 2018

Demand Planning – 3 credits
Fall 2018

Production and Operations Management – 3 credits
Fall 2018

Awards and grants

Faculty Research and Development Grant (2022 Summer)
College of Charleston (\$5,000)
Faculty Research and Development Grant- SCIM Research (2022 Summer)
SCIM Department (\$3,500)
Faculty Research and Development Grant (2021 Summer)
College of Charleston (\$5,000)
SCM Department Research Award (Spring 2019)
The State University of New Jersey, Business School (\$4,200)
Professional Development Award (Spring 2018)
The State University of New Jersey, Business School (\$4,200)
Professional Development Award (Fall 2017)
The State University of New Jersey, Business School (\$4,200)
Dean's fund for summer PhD research assistance (2017 Summer)
The State University of New Jersey, Business School (\$4,200)
Dean's fund for summer PhD research assistance (2016 Summer)
The State University of New Jersey, Business School (\$4,200)
Dean's fund for summer PhD research assistance (2015 Summer)
The State University of New Jersey, Business School (\$4,200)

Media

Cunneff, T. (2022, February 22). Professor Investigates Emotions of Pandemic-Related Tweets, The College Today

<https://today.cofc.edu/2022/02/22/professor-investigates-emotions-of-pandemic-related-tweets/?fr=operanews>

Computer knowledge

- Python Programming
- R Programming
- Java Script Programming
- C++ Programming
- SPSS Software
- Mathematica Software
- VoSViewer Software
- Cite Space Software
- Minitab Software
- Weka Software

Academic services

Ad-Hoc Reviewer for Peer-Reviewed Journals:

- Journal of Concurrency and Computation: Practice and Experience- 2022
- SSM- Population Health -2022 **Impact factor: 4.634**
- Journal of Cleaner Production – Since 2021 **Impact factor: 9.297**
- International Journal of Information Management – Data Insights - 2021
- Omega- The International Journal of Management Science-2020 **Impact factor:5.324**
- Data Science and Management (DSM)-2020

Organizational Membership

- Institute for Operations Research and the Management Sciences (INFORMS)
- Decision Science Institute (DSI)

University services

College of Charleston – University level

- Member of Senate Spring 2022
- Faculty Welfare Committee Since Spring 2022

College of Charleston – School of Business level

- Member of the MBA Faculty Committee Fall 2020 – Spring 2021

College of Charleston – Department level

- Supervising Bachelor Essay- SCIM 499 Spring 2023
- Participate in Career fair for Major/ Minor Fall 2021
- Supervising independent study- SCIM 420 Fall 2021, Spring 2023
- Presenter in Department research Seminar series Fall 2021
- Advisor of Supply Chain Management Majors Fall 2021, Spring 2022
- Admitted Student Event Spring 2021
- Supervising independent study- SCIM 420 Spring 2021
- Attending SCIM summit with students Spring 2021

Professional development activities

- 1- Presenting in the 58th Annual Meeting of the SEINFORMS – September 2022
- 2- Presenting in the 51th Annual Meeting of SEDSI- February 2022
- 3- Participation in the SAP Boot Camp – January 2022
- 4- Presenting in the 57th Annual Meeting of the SEINFORMS – October 2021

- 5- Presenting in the Annual Meeting of the INFORMS – October 2021
- 6- Presenting in the 51st Annual Meeting of the DSI – November 2021
- 7- Presenting in the Annual Meeting of the INFORMS – October 2020
- 8- Presenting in the 50th Annual Meeting of the DSI – November 2020
- 9- Presenting in the Annual Meeting of the INFORMS Conference, Virtual 2020
- 10- Presenting in the 49th Annual Meeting of the DSI Conference, New Orleans, LA,
November 2019
- 11- Presenting in the Annual Meeting of the INFORMS Seattle, WA, October 2019
- 12- Presenting in the Annual Meeting of the POMS, Washington, DC, May 2019