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## **Academic Background**

### **Academic Degrees**

Ph.D. University of Massachusetts Amherst, Management Science, 2022.

### **Professional Certifications**

CSCP (Certified Supply Chain Professional), 2023

## **Work Experience**

## **Intellectual Contributions**

**Intellectual Contributions Grid:** All years

Category	BDS	AIS	TLS	Total
Articles in Peer-Reviewed Journals	3			3
Articles-in-Progress (All)	3			3
Publications of Non-refereed or Invited Papers	1			1
Books, Monographs, Compilations, Manuals, Supplements, Chapters, Cases, Readings	1			1
Paper Presentations (Refereed)	12			12
<b>Totals</b>	<b>20</b>			<b>20</b>

## **Refereed Articles**

### **Basic or Discovery Scholarship**

Nagurney, A., Salarpour, M., & Dong, J. (2022). Modeling of Covid-19 trade measures on essential products: A multiproduct, multicountry spatial price equilibrium framework. *International Transactions in Operational Research*. [Status: Published] [A\*]

Salarpour, M., & Nagurney, A. (2021). A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic. *International Journal of Production Economics*. [Status: Published] [A\*]

Nagurney, A., Salarpour, M., & Daniele, P. (2019). An integrated financial and logistical game theory model for humanitarian organizations with purchasing costs, multiple freight service providers, and budget, capacity, and demand constraints. *International Journal of Production Economics*. [Status: Published] [A\*]

## **Chapters, Cases, Readings, Supplements**

### **Chapters**

Nagurney, A., Salarpour, M., Dong, J., & Dutta, P. (2021). Competition for medical supplies under stochastic demand in the Covid-19 pandemic: A Generalized Nash Equilibrium framework. *Nonlinear Analysis and Global Optimization*. Springer.

## **Non-Refereed Articles**

### **Basic or Discovery Scholarship**

Nagurney, A., Salarpour, M., Dong, J., & Nagurney, L. S. (2020). A stochastic disaster relief game theory network model. *Operations Research Forum*.

### **Presentations of Refereed Papers**

#### **International**

Salarpour, M. & Nagurney, A. (2022-2023). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. INFORMS (Institute for Operations Research and the Management Sciences), Indianapolis, Indiana.

Nagurney, A., Salarpour, M., & Dong, J. (2021-2022). *Modeling of Covid-19 trade measures on essential products: a multiproduct, multicountry spatial price equilibrium framework*. POMS (Production and Operations Management Society), Online, Virtual.

Nagurney, A., Salarpour, M., & Dong, J. (2021-2022). *Modeling of Covid-19 trade measures on essential products: a multiproduct, multicountry spatial price equilibrium framework*. INFORMS (Institute for Operations Research and the Management Sciences), Anaheim, California.

Salarpour, M. & Nagurney, A. (2021-2022). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. Decision Sciences Institute (DSI), Online, Virtual.

Nagurney, A., Salarpour, M., Dong, J., & Dutta, P. (2020-2021). *Competition for medical supplies under stochastic demand in the Covid-19 pandemic: A Generalized Nash Equilibrium framework*. POMS (Production and Operations Management Society), Virtual, Virtual.

Salarpour, M. & Nagurney, A. (2020-2021). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. INFORMS Healthcare Conference, Online, Virtual.

Salarpour, M. & Nagurney, A. (2020-2021). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. International Conference on Dynamics of Disasters (DOD), Virtual, Virtual.

Salarpour, M. & Nagurney, A. (2020-2021). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. European Conference on Operational Research (EURO), Online, Virtual.

Nagurney, A., Salarpour, M., Dong, J., & Nagurney, L. (2020-2021). *A stochastic disaster relief game theory network model*. INFORMS (Institute for Operations Research and the Management Sciences), Virtual, Virtual.

Nagurney, A., Salarpour, M., Dong, J., & Dutta, P. (2020-2021). *Competition for medical supplies under stochastic demand in the Covid-19 pandemic: A Generalized Nash Equilibrium framework*. Decision Sciences Institute (DSI), Virtual, Virtual.

Nagurney, A., Salarpour, M., & Daniele, P. (2019-2020). *An integrated financial and logistical game theory model for humanitarian organizations with purchasing costs, multiple freight service providers, and budget, capacity, and demand constraints*. INFORMS (Institute for Operations Research and the Management Sciences), Seattle, Washington.

#### **Regional**

Salarpour, M. & Nagurney, A. (2020-2021). *A multicountry, multicommodity stochastic game theory network model of competition for medical supplies inspired by the Covid-19 pandemic*. Northeast Decision Sciences Institute (NEDSI), Online, Virtual.

### **Working Papers**

Sadri, S., Bai, L., & Salarpour, M. (2024). "User-Centric Energy Management in Microgrids: A Game-Theoretic Approach."

Salarpour, M. (2024). "Global Competition over Semiconductors Manufacturing: A Two-Stage Stochastic Supply Chain Network Model Approach."

Salarpour, M. (2023). "Research on current and future competition in supply chains among several countries."

### **Honors & Awards**

#### **Honors/Awards**

2020-2021: Grant by the Seth Bonder Foundation, Institute for Operations Research and the Management Sciences (INFORMS). [Type: Award] [Category: Teaching-Research-Service] [Status: Received]

2020-2021: Cum Laude Award, UMass INFORMS, Institute for Operations Research and the Management Sciences (INFORMS). [Type: Award] [Category: Service-Professional] [Status: Received]

2020-2021: Dissertation Research Support Award from Isenberg School of Management, University of Massachusetts Amherst. [Type: Scholarship] [Category: Research] [Status: Received]

2020-2021: Isenberg Outstanding Doctoral Student Researcher Award, University of Massachusetts Amherst. [Type: Award] [Category: Research] [Status: Nominated]

2019-2020: Magna Cum Laude Award, UMass INFORMS, Institute for Operations Research and the Management Sciences (INFORMS). [Type: Award] [Category: Service-Professional] [Status: Received]

2017-2018: Outstanding Applicant in Management Science, the Isenberg School of Management PhD Program, University of Massachusetts Amherst. [Type: Scholarship] [Category: Other] [Status: Received]

2017-2018: Cum Laude Award, UMass INFORMS, Institute for Operations Research and the Management Sciences (INFORMS). [Type: Award] [Category: Service-Professional] [Status: Received]

## **Teaching**

### **Courses Taught**

**Courses from the Teaching Schedule:** GLB/OPERATIONS MANAGEMENT, Global Supply Chain Management, Managing Global Supply Chains, Moving the World: Transportation & Logistics Management, OPERATIONS MANAGEMENT, Right Part| Right Place| Right Time: The Science of Logistics Management

#### **Other courses taught:**

- Introduction to Operations Management (online instruction); OIM 301 - UWW class  
Department of Operations and Information Management, UMass Amherst Summer 2020
- Business Data Analysis (in-person instruction); OIM 240  
Department of Operations and Information Management, UMass Amherst Fall 2021
- Business Data Analysis (online instruction); OIM 240 - UWW class  
Department of Operations and Information Management, UMass Amherst Fall 2021
- Business Data Analysis (online instruction); OIM 240 - UWW class  
Department of Operations and Information Management, UMass Amherst Spring 2021
- Business Data Analysis (online instruction); OIM 240  
Department of Operations and Information Management, UMass Amherst Fall 2020
- Business Data Analysis (in-person instruction); OIM 240  
Department of Operations and Information Management, UMass Amherst Spring 2020
- Business Data Analysis (in-person instruction); OIM 240  
Department of Operations and Information Management, UMass Amherst Fall 2019

### **Teaching Activities and Efforts toward Continuous Improvement**

2022-2023 - Guest Speaker. Conducted interview with a guest speaker from Fastenal and provided the recording video to the students in Managing Global Supply Chains (SCM 376-01W) class in Fall 2022. Other Teaching Activities.

2022-2023 - Guest Speaker. We had guest speakers from Fastenal in Operations Management (MGT 307-01E) class in Fall 2022. Other Teaching Activities.

2022-2023 - Managing Global Supply Chains (SCM 376-01W). Course (New) - Creation/Delivery: Online.

2022-2023 - Manufacturing Plant Tour. Took Students in the Operations Management (MGT-307) course on an insider tour of one of the nation's largest manufacturers of affordable modular homes, Clayton Homes. Fall 2022. Other Teaching Activities.

## **Service**

### **College Assignments**

#### **Member:**

2024-2025: Technology Assessment and Implementation Committee

#### **Unassigned**

### **Department Assignments**

#### **Other Institutional Service Activities:**

2024-2025: Offering Independent Study  
2022-2023 – 2024-2025: Supply Chain Management Program  
2022-2023: Offering Independent Study  
2022-2023: Training Graduate Assistants

### **College Assignments**

#### **Assurance of Learning - Institutional Service:**

2023-2024 – 2024-2025: IE Author for SCM Program

#### **Other Institutional Service Activities:**

2023: Earned CSCP Certification  
2023: Met with the ASCSB team as a tenure track faculty member  
2023: COB Program Refresh Project  
2023: Attended Business-to-Industry Day  
2022-2023 – 2023-2024: Department and College  
2022-2023: Research Presentation at the College of Business meeting (invited by the Research Committee)  
2022-2023: AACSB Societal Impact Report

#### **Member:**

2024-2025: Teaching Effectiveness  
2024: Hiring committee for Economics instructor  
2023-2024: COB Technology Assessment Committee

### **University Assignments**

#### **Other Institutional Service Activities:**

2022-2023 – 2024-2025: Operation Greet & Guide  
2023: Assisted in the process of STEM approval for the SCM program  
2022-2023 – 2023-2024: Graduation Ceremony  
2022-2023: Self development: Personal Development Day  
2022-2023: Operation Greet & Guide Fall 2022

### **State-wide Assignments**

#### **Other Institutional Service Activities:**

2023-2024 – 2024-2025: Member of ASCM and North Texas ASCM Chapter

#### **Service to the Profession**

##### **Reviewer - Article / Manuscript**

2022-2023 – 2023-2024: International Transactions in Operational Research (International).

2021-2022 – 2023-2024: International Journal of Production Economics (International).

2021-2022: Operations Research Forum (International).

2021-2022: Operations Research Forum (International).

2019-2020 – 2021-2022: International Journal of Production Economics (International).

2019-2020: Annals of Operations Research (International).

2019-2020: International Journal of Production Economics (International).

#### **Invited Lecture**

2021-2022: Panelist, People of Color in Academia: Opportunities, Challenges, and Resources, Organized by the Office of Inclusion and Engagement in the UMass Amherst Graduate School (National).

2021-2022: Panelist, Secrets of the Academic Job Market from Successful Applicants, Organized by the Office of Professional Development and Graduate Student Senate, UMass Amherst (National).

#### **Officer: Organization / Association**

2019-2020 – 2020-2021: President - UMass Amherst Student Chapter of INFORMS (National).

2017-2018 – 2018-2019: UMass Amherst Student Chapter of INFORMS (National).

#### **Other Professional Service Activities**

2023-2024: ASCM (Regional). Visited Amazon Distribution Center as part of the North Texas ASCM Chapter

### **Professional Memberships**

ASCM, 2023-present

ASCM North Texas Chapter, 2023-present

INFORMS, 2017-present

**Last updated by member on 23-Jan-25 (01:31 PM)**