

Samirasadat Samadi

Isenberg School of Management
University of Massachusetts Amherst
Amherst, MA, 01003, USA
Email: ssamadi@umass.edu

EDUCATION

University of Massachusetts Amherst Isenberg School of Management Ph.D. Student in Operations Management	Amherst, MA 2023 – Present
University of Tehran College of Engineering MBA – Operations and Supply Chain Management	Tehran, Iran 2017 – 2020
Hamedan University of Technology Department of Electrical Engineering B.Sc. in Electrical Engineering	Hamedan, Iran 2012 – 2017

RESEARCH INTERESTS

Agri-Food Trade Networks, Supply Chain Management, Network Modeling

JOURNAL ARTICLES

- Nagurney, A., Samadi, S., 2025. Multicommodity Trade, Tariffs, and Rerouting. Accepted in: *Convex and Variational Analysis with Applications*: In Honor of Terry Rockafellar's 90th Birthday. Panos M. Pardalos and Themistocles M. Rassias, Editors, Springer Nature Switzerland AG.
- Nagurney, A., Pour, I., Samadi, S., 2024. A Variational Inequality Trade Network Model in Prices and Quantities Under Commodity Losses. *Journal of Nonlinear and Variational Analysis*, 8(6), 935-952.
<https://10.23952/jnva.8.2024.6.06>
- Nazari-Shirkouhi, S., Samadi, S., 2025. Enhancing healthcare supply chains: A comprehensive evaluation of lean, agile, resilient and green paradigms. *Engineering Applications of Artificial Intelligence*, 145, 110204.
<https://doi.org/10.1016/j.engappai.2025.110204>
- Samadi, S., Taslimi, MS., 2022. Develop a Situation-Based Prioritization Program as a Road Map to Enhance the Pre-Resilience in Flood Management Using Machine Learning Methods. *International Journal of Disaster Resilience in the Built Environment*, 15(1), 101-115.
<https://doi.org/10.1108/IJDRBE-12-2021-0161>

ACADEMIC EXPERIENCE

Graduate Research Assistant Department of Operations and Information Management Isenberg School of Management, UMass Amherst	September 2023 – Present
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Teaching Assistant

SCH-MGMT 533 – Humanitarian Logistics and Healthcare
Additional Office Hours for the Analytical Component
Department of Operations and Information Management
Isenberg School of Management, UMass Amherst
Instructor: Professor Anna Nagurney

Spring 2025

OIM 413 – Logistics and Transportation
Homework Grading- Office Hours
Independently led and taught two full sessions of the course
Department of Operations and Information Management
Isenberg School of Management, UMass Amherst
Instructor: Professor Anna Nagurney

Fall 2024

Doctoral Student Center Associate

January 2023 – Present

The Virtual Center for Supernetworks, UMass Amherst

CONFERENCE PRESENTATIONS

• A Variational Inequality Trade Network Model in Prices and Quantities Under Commodity Losses (with A. Nagurney, I. Pour), **INFORMS Annual Meeting**, Seattle, Washington, October 20-23, 2024; **POMS Annual Conference**, Atlanta, Georgia, May 8-12, 2025.

AWARDS & HONORS

• Outstanding Doctoral Applicant Award
(Isenberg School of Management) September 2023

PROFESSIONAL SERVICES / AFFILIATIONS

Member

UMass Amherst Student Chapter of INFORMS

September 2023 – Present

Treasurer

UMass Amherst Student Chapter of INFORMS

September 2024 – August 2025

Secretary

UMass Amherst Student Chapter of INFORMS

September 2023 – August 2024

Professional Memberships

Institute for Operations Research and the Management Sciences (INFORMS)

Since 2023

Production & Operations Management Society (POMS)

Since 2024

Decision Sciences Institute (DSI)

Since 2024