

# Dana Hassani

Isenberg School of Management  
University of Massachusetts Amherst, Amherst, MA, 01003, USA  
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## EDUCATION

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### University of Massachusetts Amherst

Ph.D. Student in Management Science

Expected 2026

### Kharazmi University

MBA – Operations and Supply Chain Management

February 2019

### Amirkabir University of Technology

B.Sc. in Biomedical Engineering

January 2016

## RESEARCH INTERESTS

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- Agri-Food Networks
- Food Security
- Supply Chains
- Risk Management
- Exchange Rate Risk
- Network Modeling
- Mathematical Programming

## PAPERS

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Nagurney, A., Hassani, D., Nivievskiy, O., Martyshev, P., 2023a. Exchange rates and multicommodity international trade: Insights from spatial price equilibrium modeling with policy instruments via variational inequalities. *Journal of Global Optimization*.

Nagurney, A., Hassani, D., Nivievskiy, O., Martyshev, P., 2023b. Multicommodity international agricultural trade network equilibrium: Competition for limited production and transportation capacity under disaster scenarios with implications for food security. Isenberg School of Management, University of Massachusetts Amherst.

## CONFERENCES

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Exchange rates and multicommodity international trade: insights from spatial price equilibrium modeling with policy instruments via variational inequalities (with A. Nagurney, O. Nivievskiy, and P. Martyshev), Workshop: PanOptiC View on Global Optimization, University of Florida, Gainesville, Florida, March 9-10, 2023; INFORMS Annual Meeting, Phoenix, Arizona, October 15-18, 2023.

International agricultural trade network equilibrium: competition for limited production and transportation capacity under disaster scenarios with implications for food security (with A. Nagurney, O. Nivievskiy, and P. Martyshev), Decision Sciences Institute Annual Conference, Atlanta, Georgia, November 18-20, 2023.

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## ACADEMIC EXPERIENCE

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### Graduate Research Assistant

Department of Operations and Information Management, Isenberg School of Management, University of Massachusetts Amherst January 2022 – Present

Department of Operations and Information Management, Kharazmi University  
Thesis: Joint Pricing and Inventory Control of Competitive Retailers for Substitutable Products under Exchange Rate Risk Fall 2018 - February 2019

### Teaching Assistant

OIM 413 – Logistics and Transportation Fall 2022  
Department of Operations and Information Management, UMass Amherst  
Instructor: Professor Anna Nagurney

Operations Management Spring 2018  
Department of Operations and Information Management, Kharazmi University  
Instructor: Professor Reza Yousefi Zenouz

Supply Chain Management Spring 2017  
Department of Operations and Information Management, Kharazmi University  
Instructor: Professor Amir-Reza Abtahi

### Center Associate

The Virtual Center for Supernetworks, UMass Amherst January 2022 – Present

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## PROFESSIONAL SERVICES/AFFILIATIONS

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### Member

UMass Amherst Student Chapter of INFORMS January 2022 – August 2022

### Vice President

UMass Amherst Student Chapter of INFORMS September 2022 – August 2023

### President

UMass Amherst Student Chapter of INFORMS September 2023 – Present

### Professional Memberships

Institute for Operations Research and the Management Sciences (INFORMS) Since 2022

Decision Analysis Society (DAS) of INFORMS Since 2022

Decision Sciences Institute Since 2023

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## INDUSTRY EXPERIENCE

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### Internship

MATLAB Programming and Management Assistance  
Moghan Wire & Cable Co Summer 2015

MATLAB Programming  
IMAT (Former RCSTIM), Imam Khomeini Hospital Complex Summer 2014