

Feyza G. Sahinyazan

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Last Updated: August 2023

EDUCATION	Ph.D. in Operations Management Minor in Public Health McGill University, Montreal, Canada	2012 – 2018
	M.Sc. in Industrial Engineering Bilkent University, Ankara, Turkey	2010 – 2012
	B.Sc. in Industrial Engineering Bilkent University, Ankara, Turkey	2006 – 2010
ACADEMIC EXPERIENCE	Assistant Professor in Technology & Operations Management Beedie School of Business at Simon Fraser University Jointly appointed in Business & Society Area	2019 –
	Post-doctoral Researcher , HEC Montreal (IVADO) Project: Data-driven Food Assistance Program Design	2018 – 2019
RESEARCH INTERESTS	Humanitarian Logistics & Supply Chain Management, Sustainable Development, Transportation Network Design, Socially Responsible Operations.	
PUBLICATIONS	<u>Peer-Reviewed Journal Publications</u> F.G. Sahinyazan, O.M. Araz (2022) “An alternative vaccine prioritization approach in response to COVID-19 pandemic”, <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 12(4): 532-553 F.G. Sahinyazan, M.E. Rancourt, and V. Verter, (2021) “Food aid modality selection problem”, in <i>Production and Operations Management</i> , 30(4):965-983 • Featured in Beedie Research Insights, August 2021 F.G. Sahinyazan, M.E. Rancourt, and V. Verter, (2021) “Improving transportation procurement in the humanitarian sector: A data-driven approach for abnormally low bid detection”, in <i>Production and Operations Management</i> , 30(4):1082-1109 †S. Duran, F.G. Sahinyazan, (2021) “An analysis of renewable mini-grids for rural electrification”, in <i>Socio-Economic Planning Sciences</i> 70:100999 †S. Duran, F.G. Sahinyazan, (2021) “Meta-analysis data of 104 renewable mini-grid projects for rural electrification” in <i>Data in Brief</i> , 34:106739 F.G. Sahinyazan, B.Y. Kara, and M. Taner, (2015) “Selective vehicle routing for a mobile blood donation system.” in <i>European Journal of Operational Research</i> , 245(1):22-34. <u>Policy Oriented Publications</u> S. Duran, F.G. Sahinyazan, J. Hrenyk, E. Salmon, (2023) “Energy transitions: away from diesel, or towards sovereignty?”, in <i>The Hill Times</i> , invited op-ed for the Energy Policy Briefing	

† Indicates papers where authors are listed alphabetically. Unmarked papers order the authors based on their contribution.

F.G. Sahinyazan, (2022) “Supply chain fragility is a national security issue, and it should be addressed accordingly”, in *The Hill Times*, invited op-ed for the Supply Chain Policy Briefing

F.G. Sahinyazan, S. Duran, (2021) “B.C. floods reveal fragile food supply chains — 4 ways to manage the crisis now and in the future.”, in *The Conversation*

●Featured in UN Disaster Risk Reduction Knowledge Base (PreventionWeb)

F.G. Sahinyazan, S. Duran, (2021) “Why renewable energy ‘mini-grids’ in remote communities fail and how to avoid it?”, in *The Conversation*

●Featured in Washington Post, Financial Post, National Post, UCalgary News

Papers Under Revision / Work-In-Progress

S.M. Demir*, F.G. Sahinyazan, B.Y. Kara, E. Buluc, “No country for young refugees: Barriers and opportunities for inclusive refugee education practices”, *to be revised and resubmitted for third round of review, Production and Operations Management*

†S. Duran, J. Hrenyk*, F.G. Sahinyazan, E. Salmon*, “Re-Righting renewable energy research with Indigenous communities in Canada”, *submitted*

F.G. Sahinyazan, S.M. Demir, “Refugee logistics” In G. Kovacs, N. Altay (Eds.) *A research agenda for humanitarian logistics*, Edward Elgar Publishing, *invited book chapter*

†E. Asaïkar*, V. Belanger, M.E. Rancourt, F.G. Sahinyazan “Food aid pre-positioning: The case for South Sudan”

†I. Mahmutogullari, H. Sahin, F.G. Sahinyazan, “Vulnerability-based prioritization in disaster relief efforts”

S. Duran, F.G. Sahinyazan, Jayashankar M. Swaminathan, “Path to energy sovereignty: Clean and affordable solutions for remote communities.”

RESEARCH GRANTS

NSERC Discovery Grant, “Developing efficient supply chain management tools to reinforce the pillars of food security”, PI, \$132,500 2022 – 2027

SFU/SSHRC Institutional Grant, “Fostering community involvement in rural renewable energy projects”, PI, \$10,000 2021 – 2023

SFU Open Access Grant, \$900 2021

Beedie School of Business Dean’s Research Grant, \$30,000 2019 – 2025

SFU New Faculty Start-up Grant, \$25,000 2019 – 2024

Post-doctoral Research Grant, HEC Montreal (IVADO), \$45,000 2018 – 2019

HONORS & AWARDS

Best Paper Awards

POMS Humanitarian Operations & Crisis Management Section Best Paper Competition, Runner-up with “Reinforcing Schooling Access for Refugees: The Case for Syrian Children in Turkey” 2022

INFORMS Doing Good with Good OR Student Paper Competition, Second Place with “Selective Vehicle Routing for a Mobile Blood Donation System” 2014

* Student Author

Recognitions

SFU Emerging Thought Leaders Program	2022
POMS Emerging Scholars Program (by invitation only)	2021
Desautels' Doctoral Student Society Excellence in Teaching Award	2018

Fellowships/Scholarships

Rathlyn Foundation PhD Fellowship	2015, 2017
Graduate Research Mobility Award, McGill University	2015
National Bank Financial Group PhD Fellowship	2014
NSERC CREATE in Healthcare PhD Program Fellowship	2012 – 2016
Turkish Scientific and Technological Research Council Graduate Scholarship	2010 – 2012
Graduate School of Engineering Scholarship, Bilkent University	2010 – 2012
Turkish Operations Research Society, Senior Design Project Competition Finalist	2010
Turkish Prime-Ministry Higher Education Scholarship	2006 – 2010

CONFERENCE PRESENTATIONS

S. Duran, **F.G. Sahinyazan**, Jayashankar M. Swaminathan, “Path to energy sovereignty: Clean and affordable solutions for remote communities”, MSOM 2023 Conference, Montreal, QC, June 2023

A.I. Mahmutogullari, H. Sahin, **F.G. Sahinyazan**, “Vulnerability-Based Prioritization in Disaster Response Efforts”, CORS Annual Meeting, Montreal, QC, May 2023

S.M. Demir, **F.G. Sahinyazan**, B.Y. Kara, E. Buluc, “Reinforcing Schooling Access for the Syrian Refugee Children in Turkey”, CORS Annual Meeting, Vancouver, BC, June 2022

S.M. Demir, **F.G. Sahinyazan**, B.Y. Kara, E. Buluc, “Reinforcing Schooling Access for the Syrian Refugee Children in Turkey”, POMS 32nd Annual Conference, Virtual, May 2022

J. Hrenyk, E. Salmon, S. Duran, F.G. Sahinyazan (jointly presented), “SFU & CERG- Sharing Circle: Indigenous Community Involvement in Clean Energy Projects”, Renewables in Remote Communities Conference, Whitehorse, YK, April 2022

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Aid Modality Selection Problem”, EURO HOpe (Humanitarian Operations) Conference, Hybrid, Helsinki, Finland, November 2021

F.G. Sahinyazan, S. Duran, “Optimizing Electricity Supply Allocation for Off-grid Communities in Cold Climates”, INFORMS Annual Meeting, Virtual, October 2021

S.M. Demir, B.Y. Kara, **F.G. Sahinyazan** “Improving schooling access for the refugee children in Turkey”, CORS Annual Meeting, Virtual, June 2021

S. Duran, **F.G. Sahinyazan** “Renewable Energy Solutions for Off-grid Communities: Opportunities and Challenges”, POMS 31st Annual Conference, Virtual, May 2021

E. Asaikar, V. Belanger, M.E. Rancourt, **F.G. Sahinyazan**, “Food Aid Pre-positioning: The Case Of South Sudan”. INFORMS Annual Meeting, Virtual, November 2020

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Reliable Transportation Procurement in Humanitarian Sector: a Data-driven Approach”, INFORMS Annual Meeting, Seattle, WA, October 2019

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Aid Modality Selection Problem”, INFORMS Annual Meeting, Phoenix, AZ, November 2018

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Aid Modality Selection Problem”, POMS 29th Conference, Houston, TX, May 2018

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Aid Modality Selection Problem”, HEC Montreal Optimization Day, Montreal, QC, May 2018

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Assistance Modality Selection Problem: In Kind, Cash or Voucher?”, INFORMS Annual Meeting, Houston, TX, October 2017

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Price Flexible Transportation Procurement Contracts for Aid Delivery in Developing Countries”, HEC Montreal Optimization Days, Montreal, QC, May 2017

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Price Flexible Transportation Procurement Contracts for Aid Delivery in Developing Countries”, POMS 28th Conference, Seattle, WA, May 2017

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Food Assistance Modality Selection Problem: In Kind, Cash or Voucher?”, POMS 28th Conference, Seattle, WA, May 2017

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “How To Provide Food Aid In Kenya: In Kind, Cash Or Voucher?”, INFORMS Annual Meeting, Nashville, TN, October 2016

F.G. Sahinyazan, M.E. Rancourt, V. Verter, “Aid Transportation Procurement Analysis: The Case of the World Food Programme in Kenya”, INFORMS Annual Meeting, Philadelphia, PA, November 2015

F.G. Sahinyazan, B.Y. Kara, M.R. Taner, “Selective Vehicle Routing for a Mobile Blood Donation System”, Canadian Operations Research Society/INFORMS International Joint Conference, Montreal, QC, June 2015

F.G. Sahinyazan, B.Y. Kara, M.R. Taner, “Optimizing Mobile Blood Collection: Application in Turkey”, INFORMS Annual Meeting, San Francisco, CA, November 2014

F.G. Sahinyazan, V. Verter, “Improving Intensive Care Patient Flow: A Case for Montreal Children’s Hospital”, IIE Annual Conference & Expo, Montreal, QC, May, 2014

F.G. Sahinyazan, B.Y. Kara, M.R. Taner, “Vehicle Routing with Integrated Tours: A Case for Turkish Red Crescent”, INFORMS Annual Meeting, Charlotte, NC, November 2011

**PANELS
& SELECTED
TALKS**

Panels

J. Li, J.A. Nazari, **F.G. Sahinyazan**, “Strategies for Developing Successful Research Grants”, Beedie Faculty Research Talks, Virtual, May 2023

S. Bertels, K. Phung, **F.G. Sahinyazan**, S. Gupta, “Building Sustainable Global Value Chains”, IDEAS@SFU Beedie Seminar Series, Virtual, April 2022

A. Buchanan, O. Ergun, B. Leibowicz, **F.G. Sahinyazan**, K. Smilowitz, “Getting Started in Public Sector Operations Research”, Panel Chairs: J.L.H. Stamm, A. Trapp, INFORMS Annual Meeting, Virtual, October 2021

A.Hira, P. Krishnan, **F.G. Sahinyazan**, “Community Energy Solutions for Climate Change: A Global Project”, Nepal Institute for International Cooperation and Engagement Convention, Virtual, August 2021

F.G. Sahinyazan, M. Cousineau, “Transitioning to be a Professor: Operations Management”, Inagural McGill University Desautels Faculty of Management Ph.D Program Alumni-Student Conference, June, 2021

Invited Talks

York University, Schulich School of Business, Canadian Supply Chain Forum
”Reinforcing Schooling Access for Refugee Children: One-year update”, June 2023

SFU Beedie School of Business, Junior Faculty Research Colloquium
“Paving the road to SDG #7 - Clean and affordable energy”, November 2022

University of Texas at San Antonio, Alvarez School of Business
“Reinforcing Schooling Availability for the Inclusion of Refugee Children”, September 2022

York University, Schulich School of Business
“Reinforcing Schooling Access for Refugee Children”, May 2022

Beedie’s Annual Teaching & Learning Symposium
“Incorporating Research into Teaching”, April 2022

SFU Clean Energy Research Group (CERG) Seminar Series
“Renewable Energy Solutions for Off-Grid Communities”, July 2021

SFU Beedie Brown Bag Seminar Series
“Optimizing Food Aid Delivery: Paving the Road to Food Access”, February 2021

MEDIA ENGAGEMENT &INTERVIEWS

Business in Vancouver, February 2023
“Business as usual covers up supply-line weakness”

The Narwhal, June 2022
“Fires, floods and food sovereignty: facing climate disasters and finding hope in northwest B.C.”

The Globe and Mail, May 2022
“Baby formula shortage in U.S. not a threat in Canada, Retail Council of Canada says”

CBC, The National, (Video Interview), May 2022
“Baby formula shortage in the U.S. affects Canadian parents”

CityNews Toronto, (Video Interview), May 2022
“Rising diesel prices mean potential impact on COVID- and inflation-battered budgets”

Calgary Journal, March 2022
“Sustainable food systems in focus due to climate change, COVID-19”

CTV’s Your Morning Show (Live TV Interview), 29 November 2021

Global News, (Video Interview), November 2021

“A supply shortage out there: Christmas tree demand high during second year of COVID-19 pandemic”

The Globe and Mail, November 2021

“How the B.C. floods revealed the fragility of Canada’s food system”

National Observer, November 2021

“After the storm, ‘the cupboards are bare’”

Globe and Mail, November 2021

“Grocery store shelves in B.C. picked clean as flooding cuts off major transport routes”

Vancouver Sun, November 2021, “As hoarding resurfaces, officials and experts ask for calm to maintain supply chain stability”(This story also appeared in The Province)

Energi Media (Video Interview), August 2021

“60% of electricity micro-grids in developing countries fail”

**TEACHING
EXPERIENCE**

Simon Fraser University, Vancouver, Canada

BUS 715 Operations Management (MBA) (as of 2024)

BUS 473 Operations Management (undergraduate)

BUS 475 Sustainable Operations (undergraduate)

McGill University, Montreal, Canada

MGCR 472 Operations Management (undergraduate)

**STUDENT
SUPERVISION**

Masters Students

Co-supervisor, Sebnem Manolya Demir, Department of Industrial Engineering, Bilkent University, Turkiye, 2022

Current Placement: PhD Student, USC Marshall School of Business

Committee Member, Motahharez Safdari, HEC Montreal, Department of Logistics and Operations Management, Expected Graduation 2024

Committee Member, Eshaan Asaika, HEC Montreal, Department of Logistics and Operations Management, Expected Graduation 2024

SERVICES

Internal Service

Service to University

SFU Sustainability Advisory Council 2021 – 2022

Inaugural Uggla Family Scholarship Adjudication Committee 2021

Service to Faculty

BMO Research Award in Indigenous Business and Leadership Adjudication Committee 2023

Tenure and Promotions Committee 2023 – 2024

Research Council 2020 – 2023

Tenure and Promotions Committee (Alternate Member) 2020 – 2021

Teaching and Learning Council 2019 – 2020

Beedie Dean Renewal Committee 2019 – 2020

BADM Hackathon Organization Committee 2019

Service to TOM Area

TOM Department Seminar Series, Co-organizer	2021 –
Area Hiring Initial Selection Committee	2021 – 2022
Beedie Launch Orientation, Area Representative	2020
Beedie LLC Meet and Greet, Area Representative	2019

External Service

Elected Officer

INFORMS, Public Sector Operations Research Section, Secretary/Treasurer	2022
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Conference Track Chair

DSI Annual Conference, Humanitarian Operations & Disaster Management Track	2021
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Session Chair

Canadian Operations Research Society (CORS) Annual Conference	2021, 2022
INFORMS Annual Meeting	2016, 2017, 2021
POMS Annual Meeting	2017
McGill exchange program pre-departure info session: Middle East & Africa	2014, 2015

Selection Committee Member

DSI Elwood Buffa Dissertation Award (Alternate Member)	2021
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Journal Reviewer

Manufacturing & Service Operations Management (M&SOM)
Production and Operations Management (POM)
Transportation Research Part E: Logistics and Transportation Review
Omega
Decision Sciences
Socio-Economic Planning Sciences (SEPS)
Operations Research for Health Care (ORHC)

PROFESSIONAL AFFILIATIONS

The Institute for Operations Research and the Management Sciences (INFORMS)
Production and Operations Management Society (POMS)
Decision Sciences Institute (DSI)
Canadian Operations Research Society (CORS)
Inter-university Research Centre on Enterprise Networks, Logistics and Transportation (CIRRELT)
SFU Clean Energy Research Group (CERG)

PROFESSIONAL EXPERIENCE

Ad-hoc Consultant, Kimetrica, Ltd. 2020
Project: Developing a logistics and supply chain model to support operational and tactical decision-making for the supply of essential goods, during emergency interventions by humanitarian agencies.
Research Intern, United Nations' World Food Programme (WFP) 2014 – 2015
Project: Analysis of Food Transportation Market in Kenya
Research Intern, MUHC Montreal Children's Hospital 2013 – 2014
Project: Analysis of Bottlenecks in Pediatric Intensive Care Unit

CERTIFICATES

San'yas Indigenous Cultural Safety Training 2021
Provincial Health Services Authority in BC

Bias in Peer Review	2021
Social Sciences and Humanities Research Council	
Rethinking Course Design Workshop	2020
Simon Fraser University Center of Educational Excellence	
Canadian Disaster & Humanitarian Response Training	2015
Canadian Consortium for Humanitarian Training, Humanitarian Studies Initiative	
9-month-long, evidence-based training on the humanitarian emergencies, instructed by humanitarians around the globe and evaluations are based on a three-day field simulation exercise.	
MyResearch	2013
McGill University	
Four module graduate seminar series aimed at improving research management and dissemination	
Learning to Teach	2012
McGill University	
Professional Development Workshop on Pedagogy	