

# Feyza G. Sahinyazan

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<b>EDUCATION</b>	<b>Ph.D. in Operations Management</b> 2012 – 2018 McGill University, Montreal, Canada
	<b>M.Sc. in Industrial Engineering</b> 2010 – 2012 Bilkent University, Ankara, Turkey
	<b>B.Sc. in Industrial Engineering</b> 2006 – 2010 Bilkent University, Ankara, Turkey
<b>ACADEMIC EXPERIENCE</b>	<b>Assistant Professor</b> in Technology & Operations Management 2019 – Beedie School of Business at Simon Fraser University Jointly appointed in Business & Society Area
	<b>Post-doctoral Researcher</b> , HEC Montreal (IVADO) 2018 – 2019 Project: Data-driven Food Assistance Program Design
<b>RESEARCH INTERESTS</b>	Humanitarian Logistics & Supply Chain Management, Sustainable Development, Transportation Network Design, Socially Responsible Operations.
<b>PUBLICATIONS</b>	<b>Refereed Journal Publications</b> 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 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. • Second Place, INFORMS Doing Good with Good OR Student Paper Competition, 2014 <b>Other Publications</b> F.G. Sahinyazan, S. Duran, (2021) “Why renewable energy ‘mini-grids’ in remote communities fail and how to avoid it?”, in <i>The Conversation</i> , August 3 <b>Papers Under Revision / Work-In-Progress</b> F.G. Sahinyazan, O. Araz “Prioritization of food insecure communities in COVID-19 Response Efforts”, <i>Under Review</i> E. Asaïkar, V. Belanger, M.E. Rancourt, F.G. Sahinyazan “Food Aid Pre-positioning: The Case for South Sudan” F.G. Sahinyazan, S. Duran, A. Hira “Community Involvement and Optimal Design in Rural Renewable Energy Developments” S.M. Demir, B.Y. Kara, F.G. Sahinyazan “Schooling access for the refugee children in Turkey”

CONFERENCE  
PRESENTATIONS

**Conference Presentations**

**S.M. Demir**, B.Y. Kara, F.G. Sahinyazan, “Districting for Integration of Syrian Refugees into the Turkish Education System”, International Symposium on Locational Decisions, ISOLDE XVI, Virtual, July 2021

**E. Asaikar**, V. Belanger, M.E. Rancourt, F.G. Sahinyazan, “Predictive and optimization models for food aid pre-positioning: The case of the World Food Programme in South Sudan”, Canadian Operations Research Society (CORS) Annual Meeting, Virtual, June 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”, CORS Annual Meeting, Virtual, June 2021

S. Duran, **F.G. Sahinyazan** “Renewable Energy Solutions for Off-grid Communities: Opportunities and Challenges”, POMS 31<sup>st</sup> 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

**S. Duran**, F.G. Sahinyazan “Renewable Mini-grids for Rural Electrification: A Meta-analysis”, 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 29<sup>th</sup> 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 28<sup>th</sup> Conference, Seattle, WA, May 2017

**F.G. Sahinyazan**, M.E. Rancourt, V. Verter, “. Food Assistance Modality Selection Problem: In Kind, Cash or Voucher?”, POMS 28<sup>th</sup> 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

**INVITED TALKS  
& MEDIA  
APPEARANCES**

**Invited Talks**

Nepal Institute for International Cooperation and Engagement Convention,  
“Why do renewable energy ‘mini-grids in remote communities fail?”, August 2021

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

McGill University, Desautels Doctoral Alumni-Student Conference,  
“Transitioning to Being a Professor”, May 2021

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

**Interviews**

Energi Media (Video Interview), August 2021

“60% of electricity micro-grids in developing countries fail”, [https://www.youtube.com/watch?v=Nt2dYaamMgI&ab\\_channel=EnergiMedia](https://www.youtube.com/watch?v=Nt2dYaamMgI&ab_channel=EnergiMedia)

**Media Mentions**

Financial Post, August 11, 2021

<https://financialpost.com/commodities/energy/why-renewable-energy-mini-grids-in-remote-communities-fail>

National Post, August 5, 2021

<https://nationalpost.com/pmn/news-pmn/why-renewable-energy-mini-grids-in-remote-communities-fail-and-how-to-avoid-it>

UCalgary News, August 2021

<https://ucalgary.ca/news/why-renewable-energy-mini-grids-remote-communities-fail-and-how-avoid-it>

Beedie Research Insights, August 2021

<https://beedie.sfu.ca/research-insights/food-aid-quandary>

**RESEARCH  
GRANTS**

SFU/SSHRC Institutional Grant, Lead Applicant, \$10,000	2021 – 2023
SFU Open Access Grant	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

<b>HONORS &amp; AWARDS</b>	POMS Emerging Scholars Program (by invitation only)	2021
	Desautels' Doctoral Student Society Excellence in Teaching Award	2018
	Rathlyn Foundation PhD Fellowship	2015, 2017
	Graduate Research Mobility Award, McGill University	2015
	National Bank Financial Group PhD Fellowship	2014
	Natural Sciences and Engineering Research Council of Canada (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 Awarded to top 100 students in the national university entrance exam Ranked 35 <sup>th</sup> among 1.8 million entrants	2006 – 2010
<b>TEACHING EXPERIENCE</b>	<b>Simon Fraser University</b> , Vancouver, Canada	
	BUS 473 Operations Management	
	BUS 475 Sustainable Operations	
	<b>McGill University</b> , Montreal, Canada	
	<b>Instructor</b>	
	MGCR 472 Operations Management	
	<b>Teaching Assistant</b>	
	MGCR 472 Operations Management, MGSC 403/603 Logistics Management, MGSC 431/631 Production Operations Analysis	
	<b>Bilkent University</b> , Ankara, Turkey	
	<b>Teaching Assistant</b>	
IE 482 Humanitarian Logistics, IE 443 Multi-Objective Decision Analysis, IE 327 Simulation, IE 202 Introduction to Modeling & Optimization		
<b>STUDENT SUPERVISION</b>	<b>Doctoral Students</b>	
	Committee Member, Motahhareh Safdari, HEC Montreal, Department of Logistics and Operations Management, Expected Graduation 2026	
	<b>Masters Students</b>	
	Co-supervisor, Sebnem Manolya Demir, Bilkent University, Department of Industrial Engineering, Expected Graduation 2022	
	Committee Member, Eeshaan Asaikar, HEC Montreal, Department of Logistics and Operations Management, Expected Graduation 2022	
<b>SERVICES</b>	<b>Internal Service</b>	
	<b>Service to University</b>	
	SFU Sustainability Advisory Council	2021 – 2022
Inaugural Uggla Family Scholarship Adjudication Committee	2021	

**Service to Faculty**

Research Council	2020 – 2021
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 – 2022
Area Hiring Initial Selection Committee	2021 – 2022
Beedie Launch Orientation, Area Representative	2020
Beedie LLC Meet and Greet, Area Representative	2019

**External Service****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
INFORMS Annual Meeting	2016, 2017, 2021
POMS Annual Meeting	2017
McGill exchange program pre-departure info session: Middle East & Africa	2014, 2015

**Ad-hoc Journal Reviewer**

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

**PROFESSIONAL AFFILIATIONS****Member**

The Institute for Operations Research and the Management Sciences (INFORMS)  
 Production and Operations Management Society (POMS)  
 Canadian Operations Research Society (CORS)  
 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 context of humanitarian emergencies, instructed by humanitarians from 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