

Karca D. ARAL

Whitman School of Management
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Faculty Profile Link

Employment

Whitman School of Management, Syracuse University

Associate Professor (with tenure), Supply Chain Management/Marketing
Whitman Research Fellow

Whitman School of Management, Syracuse University

Assistant Professor, Supply Chain Management/Marketing

Education

INSEAD

Ph.D. in Technology and Operations Management
M.Sc. in Technology and Operations Management

Bilkent University

M.Sc. in Industrial Engineering

Galatasaray University

B.Sc. in Industrial Engineering

Research

Racial Discrimination in Sourcing: Evidence from Controlled Experiments

Co-author: Luk Van Wassenhove
Production and Operations Management, Forthcoming

Managerial Flexibility, Capacity Investment, and Inventory Levels

Co-authors: Erasmo Giambona, Luk Van Wassenhove
Production and Operations Management, Volume 32, Issue 12, December 2023, 3890-3907
Winner of the Whitman-Innovation-Analytics Roadmap Grant
Accepted and Presented at *MSOM 2023 iFORM SIG Meeting*

Buyer's Bankruptcy Risk, Sourcing Strategy, and Firm Value: Evidence from the Supplier Protection Act

Co-authors: Erasmo Giambona, Ye Wang
Management Science, Volume 68, Issue 11, November 2022, 7940-7957
Winner of the Whitman-Innovation-Analytics Roadmap Grant

Supplier Sustainability Assessments in Total-Cost Auctions

Co-authors: Damian Beil, Luk Van Wassenhove
Production and Operations Management, Volume 30, Issue 4, April 2021, 902-920

Board Gender Diversity and Buyer-Supplier Relationships

Co-authors: Erasmo Giambona, Ye Wang, Ricardo Lopez A.
Production and Operations Management, Revise & Resubmit

Occupational Safety, Operational Investment, and Corporate Performance

Co-authors: Erasmo Giambona, Ricardo Lopez A., Ye Wang
Manufacturing and Service Operations Management, Being Revised for Resubmission

Multi-Level Preventive Care for Type 2 Diabetes

Co-authors: Stephen E. Chick, Alfons Grabosch

IIE Transactions on Healthcare Systems Engineering, Volume 5, Issue 3, July 2015, 165-182

Feature article in *Industrial Engineer*

Primary Preventive Care Model for Type 2 Diabetes: Input Calibration with Response Data

Co-authors: Stephen E. Chick, Alfons Grabosch

Proceedings of the Winter Simulation Conference (peer-reviewed), December 2014, 1399-1410

A Prescription Fraud Detection Model

Co-authors: Halil Altay Guvenir, Ihsan Sabuncuoglu, Ahmet Ruchan Akar

Computer Methods and Programs in Biomedicine, Issue 106, 2012, 37-46

Journal Impact Factor: 6.1

A Diverse Sourcing Strategy: Supplier Diversity Programs Under Default Risk

Winner of the MetLife & Lender Center for Racial Justice Grant

Strategic Use of Supplier Sustainability Assessments

Co-authors: Damian Beil, Luk Van Wassenhove

Being Finalized for submission, Available Upon Request

Global Supply Chain Disruptions and Product Market Competition

Co-authors: Erasmo Giambona, Ricardo Lopez A., Gordon Phillips

Lead Paper: Stockholm School of Economics and Swedish House of Finance Conference on “The Effects of New Geopolitical Risks on Financial Markets and Firms”,

Being finalized for submission, Available Upon Request

Accepted and Presented at *MSOM 2024 iFORM SIG Meeting*

Gender Bias in Performance Evaluations: Operational Moderators

Solo Paper, Work in Progress

Winner of the Faculty Creative Activities and Research (FCAR) Grant Program

Effect of Lotting in B2B Auctions: Evidence from Field Experiments

Co-author: Mingwei Liang

Work in Progress

Stakeholder Orientation and Sourcing Strategy: Evidence from Texas Constituency Law

Co-author: Luk Van Wassenhove

Work in Progress

Awards and Distinctions

2024-2026 Whitman Research Fellow Award

2024-2025 Faculty Creative Activities and Research (FCAR) Grant - \$5,000 for “Gender Bias in Performance Evaluations: Operational Moderators” (P.I)

2024 MetLife & Lender Center for Social Justice Grant - \$62,500 for “Optimizing Supplier Diversity Programs and Corporate Facing Regulations for Addressing the Racial Wealth Gap” (P.I)

Whitman-Innovation-Analytics 2018 Roadmap Grant - \$40,000 for “Managerial Flexibility, Capacity Investment, and Inventory Levels” (Co-P.I.)

POMS Outstanding Service Award - 2018

POMS Outstanding Service Award - 2017

POMS Sustainable Operations Dissertation Proposal Award - Runner Up

INSEAD PhD Qualification Distinction

INSEAD Scholarship - Merit Based

Turkish Government Scholarship for Graduate Studies - Merit Based

In the Media

Hard to Do, Easy to Criticise: How (Not) to Respond to a Humanitarian Crisis

Co-authors: Luk Van Wassenhove, Iman Parsa, Bengisu Uurlu

INSEAD Knowledge, 15 February 2023

Republished in full in *The Business Times*, *Singapore*, and *Forbes India*

Humanitarian vs. For-Profit Operations: When the Lines Blur

Co-authors: Luk Van Wassenhove, Iman Parsa

INSEAD Knowledge, 28 March 2023

Double-Edged Sword of Operations: The Promise of Long-termism

Co-authors: Luk Van Wassenhove, Erasmo Giambona

INSEAD Knowledge, forthcoming

Conference Presentations

Salzberg Memorial Lecture Academic Day, October 2024

Gender Bias in Performance Evaluations: Operational Moderators

Racial Discrimination in Sourcing: Evidence from Controlled Experiments

MSOM iFORM SIG Meeting, June 2024

Global Supply Chain Disruptions and Product Market Competition

Salzberg Memorial Lecture Academic Day, November 2023

Managerial Flexibility, Capacity Investment, and Inventory Levels

MSOM iFORM SIG Meeting, June 2023

Managerial Flexibility, Capacity Investment, and Inventory Levels

POMS Conference, May 2023

Shareholder Scrutiny, Capacity Investment, and Inventory Levels

Buyer's Bankruptcy Risk, Sourcing Strategy, and Firm Value: Evidence from the Supplier Protection Act

MetLife Foundation and Lender Center for Social Justice Symposium, March 2023

Racial Discrimination in Inter-corporate Trade: Evidence from Controlled Experiments

INFORMS Conference, October 2022

Shareholder Scrutiny, Stakeholder Orientation, and Inventory Levels

MSOM Conference, June 2022

Shareholder Scrutiny, Stakeholder Orientation, and Inventory Levels

POMS Conference, April 2022

Shareholder Scrutiny, Stakeholder Orientation, and Inventory Levels

MSOM Conference, June 2021

Buyer's Bankruptcy Risk, Sourcing Strategy, and Firm Value: Evidence from the Supplier Protection Act

Stakeholder Orientation and Operations Outcomes: Evidence from Constituency Statutes

INFORMS Conference, October 2019

Sourcing Strategy Under Financial Distress: Evidence From a Natural Experiment

INFORMS Conference, October 2019 Session Chair, Data Driven Decision Making in Supply Chain Management

POMS Conference, May 2017

Supplier Selection Under Commodity Price Risk

POMS Conference, May 2016

Voluntary vs. Compulsory Supplier Assessments in Total-Cost Auctions
MSOM Conference, July 2014
Procurement Auctions with Sustainability Audits
Paul Kleindorfer Memorial Conference, July 2014
Procurement Auctions with Sustainability Audits
INFORMS Conference, October 2013
Procurement Auctions under Sustainability Default Risk
POMS Conference, May 2013
Multi-Level Preventive Care for Type 2 Diabetes
INFORMS Conference, October 2012
Optimal Supplier Choice and Retention under Sustainability Default Risk
Optimizing Portfolio of Policies on Type 2 Diabetes Prevention and Management
INFORMS Conference, November 2011
Optimal Preventive Care Policies for Type 2 Diabetes
Eabis Conference, October 2011
Dynamic Decision Making in CSR Investments: Case of Loss Averse Consumers
INFORMS Healthcare Conference, June 2011
Optimal Preventive Care Policies for Type 2 Diabetes Mellitus

Teaching

Introduction to Supply Chain Management: 3 sections of 60 students
2023 Instructor Recommendation Average: 4.8/5, 4.6/5, 4.8/5
2023 Instructor Recommendation Median: 5/5, 5/5, 5/5
Introduction to Strategic Sourcing
Invited Doctoral Seminar Sessions

Service

Faculty Advisor - Women in Business Club (2023-ongoing)
Referee - POMS, MSOM, EJOR, IIE Transactions
SCM doctoral candidate and faculty search committees
Whitman representation at the Syracuse University DEIA Symposium: Galvanize, Change; October 2023
POMS Conference Session Chair - 2022
INFORMS Conference Session Chair - 2019
POMS Conference Organizing Committee Member - 2018
POMS Conference Proceedings Editor - 2018
POMS Conference Organizing Committee Member - 2017
POMS Conference Proceedings Editor - 2017
Whitman Scholar Selection Committee Member (2022)
Whitman School of Management Undergraduate Board Member (2021-2022)