

ABDULLAH DASCI

Address

Sabanci School of Business
Sabanci University
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Personal: Turkish and Canadian citizen, single.

Degrees

Ph.D. *Management*, McGill University, Montreal, Canada, 2001
M.S. *Industrial Engineering*, Bilkent University, Ankara, Turkey, 1995
B.Sc. *Industrial Engineering*, Bilkent University, Ankara, Turkey, 1993

Areas of Interest

Logistics management, supply chain management, location analysis, procurement, business analytics.

Employment History

i) Academic

2020-present	Professor of Operations Management Sabanci School of Business, Sabanci University
2013-2020	Associate Professor of Operations Management School of Management, Sabanci University
2008-2012	Associate Professor of Management Science (with tenure) School of Administrative Studies, York University
2011	Visiting Associate Professor School of Management, Sabanci University, Istanbul, Turkey
2005-2008	Assistant Professor of Management Science School of Administrative Studies, York University
2004-2005	Assistant Professor of Operations Management Belk College of Business, University of North Carolina at Charlotte
2003-2004	Visiting Assistant Professor of Management Science School of Business, University of Alberta

ii) Other Relevant Employment

2001-2002	Postdoctoral Fellow at Canada Research Chair in Distribution Management, HEC Montreal. Supervisor: Gilbert Laporte.
1998-2001	Part-time Instructor, Faculty of Management, McGill University.
1997-2001	Research Assistant, Faculty of Management, McGill University.
1996	Procurement Engineer, New Holland, Ankara, Turkey.
1995	Operations Research Consultant, Knauf Turkey.

Teaching

i) Graduate

School of Management, Sabanci University

Operations and Decision Analytics (Ph.D.), Fall 2018
Introduction to Business Analytics (M.S. in Business Analytics), Fall 2019 (co-teaching)
Predictive Analytics (M.S. in Business Analytics), Spring 2017-2020
Business Research and Statistics (Executive MBA), Fall 2011- 2016, 2018-2019
Project Management (MBA), Fall 2013, Spring 2015
Supply Chain Management (MBA), Spring 2015

Faculty of Engineering and Natural Sciences, Sabanci University

Project Management (Master in Energy Technologies and Management), Spring 2014

Department of Industrial Engineering, Bilkent University

Game Theory with Applications in Operations Management (MS/Ph.D.), Summer 2005

School of Business, University of Alberta

Operations management (MBA), Winter 2004
Decision analysis (MBA), Fall 2003, Winter 2004

ii) Undergraduate

School of Management, Sabanci University

Project Management, Spring 2013-2017
Supply Chain Management, Spring, 2013, 2015

Interfaculty, Sabanci University

Brain, Decision, and Psychology, Spring 2018 (co-teaching)

School of Administrative Studies, York University

Project Management, Fall 2006-2009
Quantitative Methods II, Winter 2006, Winter/Summer 2010, Winter/Summer/Fall 2012
Operations Management, Fall 2007
Introduction to Operations Research, Fall 2007
Supply Chain Management, Winter 2006, Winter 2012

Belk College of Business, University of North Carolina at Charlotte
Operations Management, Fall 2004, Spring 2005

School of Business, University of Alberta
Supply Chain Management, Winter 2003, 2004
Management Science, Winter 2004

Faculty of Management, McGill University,
Operations Management Summer 1998-2001

iii) Thesis Supervision

Sabanci University

Siamak Naderi, Ph.D. in Industrial Engineering, co-supervise (graduated Spring 2020)
Arya Sevgen, Ph.D. in Business Analytics and Operations Management (graduated Fall 2021)
Cem Yigman, M.S. in Business Analytics, co-supervise (graduated Spring 2018)
Cemre Gokalp, M.S. in Business Analytics, co-supervise (graduated Spring 2019)
Elif Saracoglu, M.S. in Business Analytics (graduated Spring 2020)
Aysegul Canbaz, M.S. in Business Analytics (graduated Spring 2020)
Nazli Deniz Turker, M.S. in Business Analytics, co-supervise (graduated Spring 2020)
Irem Bilen, M.S. in Business Analytics (graduated Spring 2020)
Eda Eylul Akdemir, M.S. in Business Analytics (graduated Fall 2020)
Osman Goktepe, M.S. in Business Analytics (2019-2022)

iv) Professional Education

Executive Development Unit, Sabanci University

Supply Chain Management (Turquality Training Program), 2012-2019.
Optimization for Data Analytics (Sabanci Holding Analytics Academy), 2018-2020.
Optimization for Data Analytics (Center of Excellence in Data Analytics), 2019

Research

i) Journal Articles in Refereed Journals

- 1) Altekin, F. T., Dasci, A., & Karatas, M. (2021). Linear and conic reformulations for the maximum capture location problem under multinomial logit choice. *Optimization Letters*, 15(8), 2611-263.
- 2) Karatas, M., Yakıcı, E., & Dasci, A. (2021). Solving a bi-objective unmanned aircraft system location-allocation problem. *Annals of Operations Research*, 1-24.
- 3) Naderi, S., K. Kilic, and A. Dasci (2020) "A deterministic model for the transshipment problem of a fast fashion retailer under capacity constraints" *International Journal of Production Economics*, 227, 107687.

- 4) Karatas, M. and A. Dasci (2019) "A Two-Level Facility Location and Sizing Problem for Maximal Coverage" *Computers and Industrial Engineering*, 106204.
- 5) Dasci, A. and Guler, K. (2019). "Dynamic Strategic Procurement from Capacitated Suppliers" *Production and Operations Management*, 28(4), 990-1009.
- 6) Dasci, A. and R. Huang (2017) "A Continuous approximation method for dynamic price problem under costly price modifications" *Omega*, 72, 38-49.
- 7) Gzara, F. and E. Nematollahi, and A. Dasci (2014) "Linear location-inventory models for service parts logistics network design" *Computers & Industrial Engineering*, Vol.69, 53-63.
- 8) Dasci, A and M. Karakul (2009) "Two-period dynamic versus fixed-ratio pricing in a capacity constrained duopoly" *European Journal of Operational Research*, 197(3) 945-968.
- 9) Dasci, A and M. Karakul (2008) "Performance evaluation of a single-stage two-product manufacturing system operating under pull-type control" *Computers and Operations Research*, 35(9) 2861-2876.
- 10) Karakul, M. and A. Dasci (2007) "An Approximation Method to Analyze Polling Models of Pull-Type Production Systems" *European Journal of Industrial Engineering*, 1(2) 200-222.
- 11) Dasci, A. and G. Laporte (2005b) "A Continuous Model for Multi-Store Competitive Location", *Operations Research*, 53(2) 263-280. [An Erratum written by us appeared in 2007].
- 12) Dasci, A. and G. Laporte (2005a) "An Analytical Approach to the Facility Location and Capacity Acquisition Problem under Demand Uncertainty", *Journal of the Operational Research Society*, 56, 397-405.
- 13) Dasci, A. and V. Verter (2005) "Evaluation of Plant Focus Strategies: A Continuous Approximation Framework", *Annals of Operations Research*, 136, 303-327.
- 14) Dasci, A. and G. Laporte (2004) "Location and Pricing Decisions of a Multi-Store Monopoly in a Spatial Market", *Journal of Regional Science*, 44(3) 489-515.
- 15) Dasci, A., G. Laporte and H.A. Eiselt (2002) "On the $(r|X_p)$ -medianoid Problem on a Network with Vertex and Edge Demands", *Annals of Operations Research*, 111(1) 271-278.
- 16) Verter, V. and A. Dasci (2002) "The Plant Location and Flexible Technology Acquisition Problem", *European Journal of Operational Research*, 136(2) 366-382.
- 17) Dasci, A. and V. Verter (2001b) "The Plant Location and Technology Acquisition Problem", *IIE Transactions*, 33(11) 963-973.
- 18) Dasci, A. and V. Verter (2001a) "A Continuous Model for Production-Distribution System Design Problem", *European Journal of Operational Research*, 129(2) 287-298.

ii) Peer Reviewed Chapters in Books

- 1) Dasci, A. (2011) "Conditional location problems on networks and the plane", *Foundations of*

Location Analysis, forthcoming in *Foundations of Location* (ed. H.A. Eiselt and V. Marianov), Springer Science+Business Media, New York, NY, 179-206.

- 2) Dasci, A. and V. Verter (2009) “The Production-Distribution System Design Problem: Recent Advances” *Encyclopedia of Optimization 2nd ed.* (eds. C.A. Floudas and P.M. Pardalos), Springer 3088-3098.
- 3) Verter, V., A. Dasci, and A. Bulgak (2001) “The Production-Distribution System Design Problem” *Encyclopedia of Optimization*, Kluwer Academic Publishers, Vol. IV 383-392.

iii) Papers in Refereed Conference Proceedings

- 1) Topaloglu, E., A. Dasci, and M.H. Eken “A Hierarchical Model for the Cash Transfer System Design Problem.” *Computational Logistics Proceedings*, 6th International Conference, ICCL 2015, Delft, The Netherlands, September 23–25, 2015
- 2) Verter, A, D. Dasci, and A. Bulgak “The Production-Distribution System Design Problem” *Proceedings*, vol. 3, 169-177 at *Canadian Society of Mechanical Engineering Forum*, Toronto, May 1998.

iv) Papers under Review

- 1) Sevgen, A. and A. Dasci, Energy Storage and Transmission Line Design for an Island System with Wind Power, under revision at *Computers and Operations Research* (submitted February 2022)

iv) Selected Conference Presentations and Invited Seminars

- 1) A Transshipment Problem at a Fast-Fashion Retailer; with S. Naderi and K. Kilic
 - Faculty of Management, Bilkent University, November 2019, Ankara, Turkey (invited seminar),
 - KUMPEM Retail Forum: The New Retail DNA, Koc University, May 2019, Istanbul, Turkey.
 - Department of Industrial Engineering, Yasar University, March 2021.
- 2) Managing Procurement from Competing Suppliers with Limited Capacities; with K. Guler. Presented at
 - Game Theory Seminar, Corvinus University of Budapest, January 2019, Budapest, Hungary (invited seminar),
 - Department of Industrial Engineering, METU, October 2018, Ankara, Turkey (invited seminar),
 - Operations Research and Industrial Engineering Conference, Yasar University, July 2016, Izmir, Turkey,
 - Department of Industrial Engineering, Bilkent University, October 2017, Ankara, Turkey (invited seminar),
 - IE-OPIM Seminar Series, Sabanci University, October 2017, Istanbul, Turkey.
- 3) A Location Problem for Cash Management Centers; with R. Huang and B. Keskin. Presented at
 - Operations Research and Industrial Engineering Conference, Yasar University, July 2016, Izmir, Turkey,

- Optimization Days, May 2016, Montreal, Canada.
- 4) A Hierarchical Model for the Cash Transfer System Design Problem; with E. Topaloglu and M.H. Eken. Presented at
 - 6th International Conference on Computational Logistics, September 2015; Delft, the Netherlands,
 - INFORMS Annual Meeting, November 2014, San Francisco CA.
- 5) Linear location-inventory models for service parts logistics network design; with F. Gzara and E. Nematollahi. Presented at
 - ORCIBS Seminar Series, May 2014, Koc University (invited seminar),
 - 8th Workshop on Logistics and Supply Chain Management, October 2013, Claremont, CA, USA,
 - OR 2013, German Operations Research Society, September 2013, Rotterdam, the Netherlands.

v) Research Funding

1) External

- 2006-2011 NSERC, Individual Discovery Grant, \$18,000 per year.
Project Title: Dynamic Pricing of Perishable Items under Competition
- 2017-2019 TUBITAK 1001 Support Program of Scientific and Technological Projects
Project Title: System Design for Spare Parts Distribution Networks
A researcher in the project, \$25,000 (approx.)

2) Internal

- 2013-2018 Sabanci University, Faculty Fund, \$17,000 (approx.)
- 2008 - York University, Atkinson Faculty, Research Fellowship, 0.5 course credit.
- 2007 - York University, Atkinson Faculty, Research Fellowship, 0.5 course credit.
- 2006 - York University, Atkinson Faculty, Junior Faculty Fund, \$1200.

Scholarly and Professional Activities

i) Executive and Editorial positions

- Area Editor, *Computers and Operations Research*, January 2016-December 2018
(<https://www.journals.elsevier.com/computers-and-operations-research/editorial-board>)
- Editorial Board of *Computers and Operations Research*, 2004-2015

ii) Journal Referee

Operations Research, Naval Research Logistics, IIE Transactions, Interfaces, European J. of Operational Research, Computers and Operations Research, Decision Sciences, Transportation Research E, The Journal of the Operational Research Society, Information Systems and Operational Research (INFOR), Journal of Regional Science, Computers and Industrial Engineering, International Journal of System Science, OR Spectrum, IEEE Automation Science and Engineering, OMEGA, Networks and Spatial Economics, Socio-Economic Planning Sciences, RAIRO-Operations Research. Informa Journal of Applied Analytics.

iii) Other

- 1) Researcher from Sabanci University, Business Transformation towards Digitization and Smart Systems (BITTMAS), an Erasmus+ project (under the coordination of Reutlingen University, Reutlingen, Germany) 2016-present.
- 2) Consultant, IBTech, Inc. (Information Technology firm of QNB Finansbank Turkey), ATM demand estimation and cash logistics management.
- 3) M.S. Thesis Committee Member (various theses), Sabanci University, Business Analytics, 2018-present.
- 4) M.S. Thesis Committee Member (various theses), Sabanci University, Industrial Engineering, 2014-2018.
- 5) Ph.D. Examination Committee Member, Sabanci University, Business Analytics and Operations Management, 2013, 2016, 2019.
- 6) Paper Discussant, Supply Chain and Logistics Workshop, Bilkent University, 2018.
- 7) Panelist, Supply Chain and Logistics Workshop, Bilkent University, 2018.
- 8) Ph.D. Examination Committee Member, Koc University, Graduate School of Business, 2018.
- 9) Ph.D. Examination Committee Member, Koc University, Industrial Engineering, 2015.
- 10) M.S. Thesis Committee Member, Koc University, Industrial Engineering, 2014.
- 11) Member, Organizing Committee, INFORMS National Meeting 2009, San Diego, CA, October 2009.
- 12) Grant Reviewer, NSERC Individual Discovery Grant Program, 2007, 2008, 2009, 2010, 2011.
- 13) External Examiner, Ph.D. thesis, Dehui Tong, Management, Rotman School of Management, University of Toronto, December 2010.
- 14) External Examiner, Ph.D. thesis, Binbin Liu, Management, Rotman School of Management, University of Toronto, 2007.
- 15) Member, Program Committee, 4th and 5th Annual International Supply Chain Management Symposiums, Toronto, ON, 2006, 2007. (The primary responsibility is to act as a reviewer for the submitted papers).
- 16) Judge, Student Paper Competitions in 2002, 2003, and 2004 of the Canadian Operational Research Society.

Service

Sabanci University

Director, International Relations Office, Sabanci University, 2019-present.
Member, Ad hoc COVID-19 Education Committee, 2020-present.
Member, Hiring Committee, Sabanci School of Business, 2019-2020.
Lead the development of professional master program in business analytics, 2019-2020.
Member, Curriculum and Assessment Committee, 2018-present.
Vice Dean, School of Management, 2018-2019.
De-facto Member, University Education Committee, 2018-2019.
Academic Director of Executive MBA program, School of Management, 2017-2018.
Academic Director of Undergraduate Program, School of Management, 2013- 2017.
Member, Faculty Executive Committee, School of Management, 2013-2019.
Member, University Extended Undergraduate Curriculum Committee, 2013-2017.

York University

Coordinator, Management Science Area, School of Administrative Studies, 2009-2010.
Member, Curriculum Committee, School of Administrative Studies, 2009-2010.
Chair, Tenure and Promotion Committee, School of Administrative Studies, 2009-2010.
Member, Tenure and Promotion Committee, School of Administrative Studies, 2008-2009.
Chair, Awards Committee, School of Administrative Studies, 2007-2009.
Member, Research Committee, School of Administrative Studies, 2007-2009.
Member, Hiring Committee, Management Science Area, School of Administrative Studies, 2005-2007.
Lead the development of BAS Honors degree program in Management Science stream.