

Seda Bař Güre

CONTACT INFORMATION

Iřık University,
Meřrutiyet Mahallesi,
Üniversite Sokak,
No:2 řile, Istanbul, Turkey

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RESEARCH INTERESTS

Optimization and Operations Research (e.g., blood donation system); Scheduling; Stochastic Programming; Risk Modeling

EDUCATION

Yeditepe University, Istanbul - Turkey

Ph.D., Systems Engineering,

08/2018

- Joint Work: Institute of Applied Mathematics and Information Technology of the Italian National Research Council, Politecnico di Milano, Italian Association of Volunteers for Blood
- Thesis: “An appointment scheduling framework to balance the production of blood units from donation”
- Advisors: Semih Yalçındağ (Yeditepe University), Ettore Lanzarone (Institute of Applied Mathematics and Information Technology (IMATI), Milan, Italy)

Yeditepe University, Istanbul, Turkey

M.S., Business Administration,

06/2011

- Thesis: “Examining the relationship between mobbing, organizational trust and job satisfaction among academicians”
- Advisor: Ayře Begum Otken (Yeditepe University)

Yeditepe University, Istanbul, Turkey

B.S., Systems Engineering,

06/2008

- Thesis: “Six Sigma Application in Coca Cola Icecek A.S.'s Supply Chain”
- Advisor: Zeynep Ocak (Yeditepe University)

ACADEMIC EXPERIENCE

Iřık University Istanbul- Turkey
Assist. Prof.

09/2018 - Current

Institute of Applied Mathematics and Information Technology (IMATI) of the National Research Council of Italy (CNR), Milan, Italy

Visiting Ph.D. student

06/2015 - 07/2015

Institute of Applied Mathematics and Information Technology (IMATI) of the National Research Council of Italy (CNR), Milan, Italy

Visiting Ph.D. student

01/2015 - 02/2015

Yeditepe University, İstanbul - Turkey

Teaching and Research Assistant

09/2008 - 08/2018

PUBLICATIONS- JOURNAL

Bas, S., Carello, G., Lanzarone, E., Yalcindag, S., 2018. An Appointment Scheduling Framework to Balance the Production of Blood Bags from Donation, *European Journal of Operational Research*,

265 (3): 1124-1143.

Bas, S., Carello, G., Lanzarone, E., Yalcindag, S., 2018. Unaddressed Problems and Research Perspectives in Scheduling Blood Collection from Donors, *Production Planning & Control*, 29 (1), 84-90.

PUBLICATIONS-
CONFERENCE

Bas, S., Carello, G., Lanzarone, E., Ocak, Z., Yalcindag, S., 2016. Management of Blood Donation System: Literature Review and Research Perspectives, in *Springer Proceedings in Mathematics and Statistics, Health Care Systems Engineering for Scientists and Practitioners*, Eds. Matta A., Sahin E., Li J., Guinet A., and Vandaele N. J., Volume 169, pp.121-132 (Refereed).

PUBLICATIONS-
TECHNICAL
REPORTS

Bas, S., Carello, G., Lanzarone, E., Yalcindag, S., 2016. An appointment scheduling framework to balance the production of blood bags from donation. Technical report, IMATI-CNR; 16-06. Followed by S. Bas et al., *European Journal of Operational Research* 2017, DOI 10.1016/j.ejor.2017.08.054.

PROJECTS

Management of the Blood Collection System
Associazione Volontari Italiani Sangue (AVIS), 09/2014- Current
Joint work with E. Lanzarone (National Research Center of Italy), and G. Carello (Politecnico di Milano)

Eating habits of older-aged people living in a poor-house (Darúlâceze) in Turkey
A project supported by *Metropolitan Municipality of Istanbul*, 2006- 2007
Joint work with Yeditepe University and Metropolitan Municipality of Istanbul

UNIVERSITY
SERVICE

Faculty of Engineering and Natural Sciences (Işık University) Faculty Board Member, 09/2019 - Current.

Erasmus Coordinator for IE (Işık University) program, 09/2018 - 08/2021.

Internship Coordinator for ISE (Yeditepe University) program, 09/2008 - 08/2018.

Responsible for detailed web site of ISE (Yeditepe University) program, 03/2015 - 08/2018.

CONFERENCE
PRESENTATIONS,
INVITED TALKS

Comparison of covering models for pharmacy-on-duty problems with the equity levels. Joint work with S. Bas Güre, İ. Kayahan and E. Yaşa.

- The Third International Conference on Applied Mathematics in Engineering (ICAME'24), June 2024, Balıkesir, Turkey.

Nöbetçi Eczane Atama Probleminin Analizi ve Modellerin Değerlendirilmesi: Kadıköy Uygulaması. Joint work with S. Bas Güre, İ. Kayahan and E. Yaşa.

- Yönetim Araştırmaları / Mühendislik Uygulamaları 2023 (YÖNAR/MU'2023), May 2023, İstanbul.

An Appointment Scheduling Framework to Balance the Production of Blood Units from Donation. Joint work with G. Carello, E. Lanzarone, S. Yalcindag.

- **(Invited talk)** Mechanical Engineering Department Seminar, Politecnico di Milano, March 2017, Milano (presented by S. Yalcindag).
- Operations Research and Industrial Engineering Colloquium for PhD Students, Bogazici University, April, 2016, Istanbul.
- 46th Annual Conference of the Italian Operational Research Society Optimization for Energy, Emerging Advances in Logistics Systems, AIRO, September 2016, Trieste (presented by E. Lanzarone).
- **(Invited talk)** Institute of Applied Mathematics and Information Technology (IMATI) of the National Research Council of Italy (CNR), June 2015, Milano.

- 35th National Congress of Industrial Engineering Operations Research, YA/EM, September 2015, Ankara.
- 45th Annual Conference of the Italian Operational Research Society Optimization for Energy, Environment and Sustainability, AIRO, September 2015, Pisa (presented by E. Lanzarone).
- 41th Annual meeting of the EURO working group OR Applied to Health Services, ORAHS, July 2015, Montreal.

Management of Blood Donation System: Literature Review and Research Perspectives. Joint work with S. Bas, G. Carello, E. Lanzarone and Z. Ocak.

- 2nd International Conference on Health Care Systems Engineering, May 2015, Lyon.

COMPUTER SKILLS

- Applications: L^AT_EX, Microsoft Office (Word, Excel, Power Point)
- Optimization: ILOG-OplStudio, Gams
- Statistical Computing: SPSS, Minitab
- Operating Systems: Windows(XP/Vista/7/8).