CURRICULUM VITAE

1. Name & Surname: Ozgu TURGUT

2. Title: Assist. Prof.

3. Research Interests:

Operations Research for Decision Support Systems, Sustainable Industry and Transportation Systems, Supply Chain Management (focused to healthcare, agri-food and energy supply systems); Algorithm Design and Machine Learning (Digital Transition)

4. Education:

Degree	**Department**	**University**	**Year**
B.Sc.	Industrial Engineering	Bogazici University	2005
M.Sc.	Systems Engineering	Yeditepe University	2007
PhD	Industrial & Systems Engineering.	Wayne State University	2014
Post PhD Researcher	Center of Transportation and Logistics (CTL)	Massachusetts Institute of Technology (MIT)	2017
Post PhD Researcher	Department of Industrial Economics and Technology Management	Norwegian University of Science and Technology (NTNU)	2020

5. Employment

Assistant Prof.	Logistics Management Department	Bahcesehir University	2021-Cont.

Operations Research Scientist	Applied Research Department	Llamasoft, Inc.	2012–2015

6. Academic Titles

Assistant Professorship - 2018

7. Supervised Master's and PhD Thesis

7.1 Master's Thesis

Capacity Planning for Biologics (Sifo Lou) 2017 MIT Center for Transportation and Logistics

Manufacturing Risk Assessment for Early Stage Pharmaceuticals (Emily Chan) 2017 MIT Center for Transportation and Logistics

8. Publications

8.1 Articles published in International Journals (SCI, SSCI, Arts and Humanities)

S. Sisbot, O. Turgut, M. Tunc and M. Camdal (2010) ``Optimal Positioning of Wind Turbines on Gokceada Using Multi Objective Genetic Algorithm with Budget Constraint", Wind Energy

Aguwa, Monplaisir, Turgut (2012) ``Voice of the Customer: Customer Satisfaction Ratio Based Analysis", Expert Systems with Applications

Aguwa C., L. Monplaisir, O. Turgut, W. Jordan \& Egbe-Etu Etu (2019) ``Design for Reusability of Medical Equipment for optimal modularization using an endoscope as case study", Cogent Engineering.

Turgut O.,E. Dalkiran, A. E. Murat (2019) ``Parallel full p-1 partition algorithm for multi objective integer programming", Journal of Global Optimization.

Solak C., Turgut O., S. Westgard (2020) ``Time Series Forecasting Of Domestic Dry Cargo Shipping Market Of Turkey: Comparison Of Sarimax, Ann-Based Models And Sarimax -Ann Hybrid Model", International Journal of Shipping and Transport Logistics.

S. Backe, C. Skar, P. Crespo del Granado, O. Turgut and A. Tomasgard (2020) ``The EMIPRE framework: Software structure of a multi-horizon stochastic program applied to energy systems", SoftwareX

O. Turgut and V. S. Bjerkedvedt, A. Tomasgard, S. Roussonaly (2021) ``An Integrated Analysis of Carbon Capture and Storage Strategies for Power and Industry in Europe", Jour. of Clean Production

8.2 International Proceedings

Turgut O., A.E. Murat (2011) ``Generating Pareto Surface for Multi Objective Integer Programming Problems with Stochastic Objective Coefficients", Procedia Computer Science

8.3 International books and book chapters

Turgut O. "Industrial economy and technological management in the context of waste biorefineries" "Biorefineries and Circular Economy Based on Waste to, Energy-Food-Feed-Chemical-Material" of Springer-Nature Switzerland AG (2022)

8.4 National Proceedings

"Innspill til norske prioriteringer for et nytt europeisk forskningsområde European Resaarch Area" 2020

9. Projects

FARM AWARE: Formed two separate consortiums and concepts for two project proposals under Farm2Fork topic of Green Deal Call. Input to Norwegian priorities for a new European Research Area.

MIT Center for Transportation - SCREAM 3.0 Supply Chain Resilience Game: Led the project from the mathematical and technical settings point of view, coded back-end algorithm in Python, and submitted version 3.0 of the game as a desktop application together with the assessment tool.

Value Chain Optimization for Carbon Capture and Storage Technologies: Mathematical modelling of the carbon emitters in industrial and power sector with carbon capture,

transportation and storage details for Europe and Norway in order to supplement macro scale decisions while taking the uncertainties of renewable energy supply and power load into account.

10. Memberships

INFORMS, POMS

11. Awards

- Ranked 71st among 1.5 million attendees in national university entrance exam, 2000.
- TURKEY IS Bank ’Top 76 students’ award, 2000.
- Istanbul Trade Union Fellowship, 2001-2003.
- Wayne State University ISE Research Fellowship, 2009-2012.
- Fields Math Institute (Toronto) Travel Fellowship, 2011.

12. Skills

- Language

  Fluent in English; intermediate in Norwegian; beginner in German; native in Turkish

- Computer

  Hands-on experience in C++, Matlab, Mosel, R, Python, Latex, HTML, Julia, OPL ILOG, AMPL, STELLA, GAMS; Arena, WEKA, MINITAB, Rapid Miner

13. Teaching Experience

- 2021 LOG, BAU, Istanbul, Turkey.

  Operations Management: For undergraduate and graduate level

- 2016 CTL, MIT, Cambridge, MA, USA.

  Content Development and Forum Coordination Supply Chain Analytics:

https://www.edx.org/course/supply-chain-analytics-mitx-ctl-sc0x,

- 2016 MIT, Cambridge, MA, USA.

  Kaufman Teaching Certificate Program (KTCP)

  Recipient of certificate after a seven week long schedule of teaching theory and practice.

- 2016 CTL, MIT, Cambridge, MA, USA.

  Thesis Advising

  Improving resilience for demand side risks in pharmaceutical industry.

- 2011–2012 Industrial and Systems Engineering, WSU, Detroit, MI, USA. Graduate Teaching Assistant

  Tutorial Sessions of Introduction to Probability and Statistics.

- 2006–2009 Systems Engineering, Yeditepe University, Istanbul, Turkey. Graduate Teaching Assistant

  Tutorial Sessions for Operations Research Course, 2006-2009

  Tutorial Sessions for Introduction to Probability and Statistics Course, 2006-2009

  Lab and Practice Sessions for Discrete Event Simulation Course, 2006-2009