

# LAMIA GULNUR KASAP

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## EDUCATION

- 2016-Present: Özyeğin University, Institute of Pure and Applied Sciences, Engineering Faculty, Department of Industrial Engineering.  
**PhD Candidate** in Industrial Engineering. Current GPA: 3.25  
**PhD Thesis (work in progress):** Kasap L. G., Balcık B., “The impact of loan-borrowing and postponement in humanitarian warehouses on prepositioned relief stocks”, Ozyegin University  
**PhD Coursework:** Linear Programming, Advance Probability and Statistic, Integer Programming, Production Processes Management, Game Theory, Supply Chain Management, Stochastic Models
- 2013-2016: Marmara University, Institute of Pure and Applied Sciences, Engineering Faculty, Department of Industrial Engineering.  
**MSc** in Industrial Engineering. GPA: 3.63  
**MSc Thesis:** Kasap L. G., Vayvay Ö., Tuzkaya G.. “A Model for Design of Humanitarian Logistics Systems and A Case Study from Sakarya District of Turkey”, Marmara University, 2016  
**MSc Coursework:** Quality Engineering, Ergonomics, Inventory Management, Design of Experiments, Simulation Modeling of Production and Service Systems, Data Mining, Special Topics in Industrial Engineering II (Innovation), Logistics and Supply Chain Management
- 2008-2013: Sakarya University, Engineering Faculty, Department of Industrial Engineering.  
**BS** in Industrial Engineering. GPA: 3.55 (Ranked 1st in the Department of Industrial Engineering)  
**Bachelor Thesis:** Kasap L. G., İşcan D., Kabacı G, Ay G.. “3-D Ürün Yerleştirme Problemi, Mobilya Sanayinde Uygulama”, Sakarya University, 2013. (3-D Bin-Packing Problem, Case Study at a Furniture Industry)
- Fall 2011: Institute of Technology Tralee, Co. Kerry, Ireland Erasmus program

## EMPLOYMENT

- 2015-Present: Research Assistant / Istanbul Medipol University, Engineering Faculty, Department of Industrial Engineering
- 2013-2015: Quality Engineer / Sakarya İz Reklam Ltd. Şti/Arifiye/Sakarya
- 2012-2013: Undergraduate Student Assistant / Sakarya University, Engineering Faculty, Department of Industrial Engineering
- Summer 2012: Management and Production Intern / Kordsa Global Turkey/ İzmit/ Kocaeli
- Spring 2012: Project Member / Divan Furniture/ Kuzuluk Factory/ Mattress line
- Summer 2011: Operations Intern / Temsa Global / Adapazarı Factory

## RESEARCH INTERESTS

- Supply Chain Management
- Humanitarian Logistics
- Healthcare Management

## PROJECTS WITH PRACTITIONERS

- Benefits of stock sharing in the humanitarian depots. Joint project with ESUPS (PI: B. Balcik), Ongoing Research Project

## GRANTS

- PhD Scholar, “Modelling and Analysis of Stock Sharing and Postponement Strategies in Humanitarian Relief Depots”, funded by TUBITAK 1002 (PI: B. Balcik), July 2020 – June 2021.
- Researcher, “Process Improvement of Operating Rooms via a Simulation-Based Optimization Approach”, funded by Istanbul Medipol University Scientific Research Project, (PI: H. Tozan), 2018.

## PUBLICATIONS

### Journals:

- Kasap L. G., Sağlıkta Güncel Simülasyon Yaklaşımları: Bir Derleme Çalışması, International Journal of Advances in Engineering and Pure Sciences, 2019, 2636-8277, 31, 1, 1-16. (*Recent Approaches in Healthcare Simulation: A Literature Survey*). **(In Turkish)**

### Conference Proceedings:

- Yardımcı İ., Kasap L. G., Vayvay Ö., (2015). “A Conceptual Framework for Supply Chain Renovation”, International Conference on Value Chain Sustainability (ICOVACS 2015), İstanbul, Turkey. **(In English)**
- Kasap L. G., Vayvay Ö., Tuzkaya G., (2015). “Afet Lojistiği ve Türkiye’deki Uygulamaları: Literatür Araştırması”, IV. Ulusal Lojistik Ve Tedarik Zinciri Yönetimi Kongresi, Gümüşhane, Turkey (*Humanitarian Logistics and Its Applications in Turkey: A Literature Survey*). **(In Turkish)**
- Sarı M., Kasap L. G., Evcen M., Karaduman E., (2012). “Darboğaz Kaynakların İyileştirilmesi: Yaylı Yatak Üretim Hattı Örneği”, Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM), İstanbul, Turkey. (*Efficient Utilization of The Bottleneck Resources: The Case of Mattress Line*). **(In Turkish)**

## PRESENTATIONS

- 2018: Operation Research and Industrial Engineering (YAEM) 38. National Conference, Eskişehir, Turkey. “Simülasyon Tabanlı Optimizasyon Yöntemi ile Ameliyathane Süreçlerinin İyileştirilmesi”(*Process Improvement of Operating Rooms via a Simulation-Based Optimization Approach*).
- 2015: Operation Research and Industrial Engineering (YAEM) 35. National Conference, Ankara, Turkey. “Afet Sonrası Enkaz Atıklarının Kaldırılmasına Yönelik Bir Model Önerisi”(A Model for The Post-Disaster Debris Removal Activities). **Invited Speaker**
- 2015: IV. Management of Supply Chain and Logistics National Conference, Gümüşhane, Turkey. “Afet Lojistiği ve Türkiye’deki Uygulamaları: Literatür Araştırması” (*Humanitarian Logistics and Its Applications in Turkey: A Literature Survey*).
- 2015: International Conference on Value Chain Sustainability (ICOVACS 2015), İstanbul, Turkey . “A Conceptual Framework for Supply Chain Renovation”.
- 2012: Operation Research and Industrial Engineering (YAEM) 32. National Conference, Istanbul, Turkey. “Darboğaz Kaynakların İyileştirilmesi: Yaylı Yatak Üretim Hattı Örneği” (*Efficient Utilization of The Bottleneck Resources: The Case of Mattress Line*).

## TEACHING EXPERIENCE

### **Teaching Assistant:**

Introduction to Industrial Engineering, Introduction to Modeling and Optimization, Network Flows and Integer Programming, Applied Statistics, Programming for Operations Research, Supply Chain Management, Probability and Random Variables, Operation Research I, Stochastic Models

### **Advisor / Coordinator:**

Erasmus department coordinator, Undergraduate student advisor

## SKILLS AND ABILITIES

### **Computer:**

- Programming Language: Java
- Other Programs: Lingo, GAMS, Arena Simulation  
Arena Simulation Software, Simulation of Material Handling Systems Education (Spring 2013)  
Arena Simulation Software, Basic Level Education (Spring 2012)

### **Language:**

- Turkish (native), English (fluent)

## REFERENCES

- Associate Prof. Burcu Balçık, Özyeğin University/ Faculty of Engineering/ Industrial Engineering
- Associate Prof. Gülfem Tuzkaya, Marmara University/ Faculty of Engineering/ Industrial Engineering
- Prof. Özalp Vayvay, Marmara University/ Faculty of Engineering/ Industrial Engineering