

# Işıl Alev

Assistant Professor of Operations Management  
Carroll School of Management  
Boston College  
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## EARNED DEGREES

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- **Ph.D., Industrial Engineering** Dec. '15  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology
  - *Specialization/Minor*: Economic Decision Analysis/Economics
  - *Thesis*: Operational Perspectives on Extended Producer Responsibility for Durable and Consumable Products  
**Winner, 2013 POMS Sustainable Operations Dissertation Proposal Award**  
*Advisors*: Atalay Atasu (chair), Özlem Ergun (co-chair), L. Beril Toktay (co-chair)
- **M.Sc., Industrial Engineering** Dec. '12  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology
- **B.Sc., Industrial Engineering** June '09  
Industrial Engineering, Middle East Technical University

## RESEARCH INTERESTS

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Sustainable Operations, Extended Producer Responsibility, Product Recovery Strategies and Economics, Healthcare Operations

## RESEARCH PAPERS

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- Alev, I., A. Atasu, Ö. Ergun, and L. B. Toktay. Extended Producer Responsibility for Pharmaceuticals. Under review at *Manufacturing and Service Operations Management*.  
**Supported by NSF-DMI (Grant 1031167)**
- Alev, I., V. Agrawal, and A. Atasu. Extended Producer Responsibility and Secondary Markets. Under review at *Manufacturing and Service Operations Management*.  
**Runner-Up, 2014 POMS Sustainable Operations Student Paper Competition**
- Alev, I., X. Huang, A. Atasu, and L. B. Toktay. A Case Discussion on Market-Based Extended Producer Responsibility: The Minnesota Electronics Recycling Act. Conditionally accepted at *Journal of Industrial Ecology*.
- Alev, I., V. Agrawal, and A. Atasu. Export Bans and Extended Producer Responsibility.
- Alev, I., B. Çavdar, B. Çelik, V. Demirel, A. Güller, C. Sepil, and Y. Serin. 2009. Rail Yard Operations Planning (in Turkish: Yük Treni İstasyonlarında Hareket Planlaması). *Journal of Industrial Engineering (Turkish Chamber of Mechanical Engineers)*, 20(3), 2-21.  
**Winner, 29<sup>th</sup> National Conference on Operations Research & Industrial Engineering Student Project Competition in Turkey**

## IN PRESS

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- Alev, I., A. Atasu, Ö. Ergun, L. Gui, X. Huang, and L. B. Toktay. 3 Ways to Fix E-Waste Regulations. Op-ed in *The Huffington Post*, Apr. 13, 2016.

## HONORS AND AWARDS

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- **Sam Nunn Security Program Fellow** Aug. '14 - May '15  
Center for International Strategy, Technology, and Policy, Sam Nunn School of International Affairs, Georgia Institute of Technology  
Awarded for the prospective contributions to policy-making in national and international security
- **Runner up, POMS Sustainable Operations Student Paper Competition** May '14  
With the paper "Extended Producer Responsibility, Secondary Markets, and Export Restrictions"
- **Winner, POMS Sustainable Operations Dissertation Proposal Award** May '13  
With the proposal "Operational Perspectives on Extended Producer Responsibility for Durable and Consumable Products"
- **Johnson Fellow** Aug. '09 - Aug. '11  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology  
Awarded for the acceptance to the Ph.D. program
- **Ranked 1<sup>st</sup> in the Industrial Engineering undergraduate class** June '09  
Middle East Technical University
- **Winner, OR & IE National Conference Student Project Competition in Turkey** June '09  
With the senior design project "Rail Yard Operations Planning"

## TEACHING EXPERIENCE

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- **Instructor, Business Statistics (OPER 1135)** Fall '15  
Carroll School of Management, Boston College
- **Instructor, Supply Chain Modeling: Logistics (ISyE 3103)** Spring '14  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology
- **Guest Lecturer, Supply Chain Modeling: Manufacturing & Warehousing (ISyE 3104)** Dec. '12 & '13  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology  
*Instructor:* Pinar Keskinocak, Ph.D.
- **Guest Lecturer, Supply Chain Modeling (MGT 6401 & 4401)** Sept. '12  
Ernest Scheller Jr. College of Business, Georgia Institute of Technology  
*Instructor:* Atalay Atasu, Ph.D.
- **Graduate Teaching Assistant, Simulation Analysis & Design (ISyE 3044)** Aug. '09 - Jan. '11  
H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology  
*Instructors:* Salih Tekin (Fall 2009), Christos Alexopoulos, Ph.D. (Fall 2009 - Fall 2010)

## PRESENTATIONS

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- **Extended Producer Responsibility for Pharmaceuticals.** With A. Atasu, Ö. Ergun, and L. B. Toktay.
  - POMS Annual Conference, Orlando, FL, May '16
  - INFORMS Annual Meeting, Philadelphia, PA, Nov. '15
  - POMS Annual Conference, Washington, DC, May '15
  - MSOM Annual Conference, Seattle, WA, June '14
  - POMS Annual Conference, Atlanta, GA, May '14
  - INFORMS Annual Meeting, Minneapolis, MN, Oct. '13
- **Extended Producer Responsibility and Secondary Markets.** With V. Agrawal and A. Atasu.
  - POMS Annual Conference, Washington, DC, May '15
  - INFORMS Annual Meeting, San Francisco, CA, Nov. '14
  - SIG Conference in Sustainable Operations, MSOM Annual Conference, Seattle, WA, June '14
  - POMS Annual Conference, Atlanta, GA, May '14
  - INFORMS Annual Meeting, Minneapolis, MN, Oct. '13
  - POMS Annual Conference, Denver, CO, May '13
- **Extended Producer Responsibility in Pharmaceutical Industry.** Moderator. Participants: D. Galvin, P. Gardner, and L. B. Toktay.
  - Joint Supply Chain Management/Sustainable Operations POMS 25<sup>th</sup> Anniversary Mini-Conference  
POMS Annual Conference, Atlanta, GA, May '14
- **Rail Yard Operations Planning (in Turkish: Yük Treni İstasyonlarında Hareket Planlaması)** With B. Çavdar, B. Çelik, V. Demirel, A. Güller, C. Sepil, and Y. Serin.
  - Operations Research & Industrial Engineering National Congress, Bilkent University, Ankara, Turkey, June '09

## AFFILIATIONS AND SERVICE

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- Member, INFORMS, MSOM, POMS
- Referee for *Decision Sciences*, *POMS*