

## BAŐAK ALTAN

Özyeęin University  
Department of Economics  
34794 Alemdaę  
Çekmeköy Istanbul, Turkey

Tel: +90(216) 564-9506  
Fax: +90(216) 564-9043  
E-mail: basak.altan@ozyegin.edu.tr  
URL: www.ozyegin.edu.tr/~altan

### EDUCATION

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University of North Carolina at Chapel Hill – Department of Economics

Ph.D., Economics, May 2010

Middle East Technical University, Ankara, Turkey

B.S., Economics, 2004, *High Honors*

Middle East Technical University, Ankara, Turkey

B.A., Mathematics (Double Major), 2004, *Honors*

### ACADEMIC EXPERIENCE

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Ozyegin University, Istanbul, Turkey

*Assistant Professor*, 2010 - present

University of North Carolina at Chapel Hill, NC, USA

*Graduate Assistant*, 2004- 2010

### RESEARCH INTERESTS

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Industrial Organization, Game Theory, Economics of Information and Uncertainty

### PUBLICATIONS

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1. "Pricing Decisions in a Strategic Single Retailer/Dual Suppliers Setting Under Order Size Constraints" with Ekici A, Ozener O. O., *International Journal of Production Research*, 54(7), pg 1887-1898, (2016).
2. "Damaged Durable Goods, Upgrades and the Coase Conjecture", *Journal of Institutional and Theoretical Economics*, 174(4), 743-765, (2018).
3. "Cost Allocation Mechanisms in a Peer-to-Peer Network" with Ozener O. O., *Networks*, 73(1), 104-118 (2019).

4. "Dynamic Moral Hazard with Sequential Tasks", *Economics Letters*, 183, 108606, (2019).
5. "Dynamic Durable Goods Monopoly and Market Power", *Games*, 11(2), 22, (2020).
6. "Optimal Peer-to-Peer Network for Streaming Multimedia Broadcast" with Sunay O., *Mathematical Social Sciences*, 108, 166-174, (2020).
7. "A Game Theoretical Approach for Improving the Operational Efficiencies of Less-than-truckload Carriers Through Load Exchanges", with Ozener O.O., *Networks and Spatial Economics*, 21, 547–579, (2021).
8. Production Planning with Flexible Manufacturing Systems under Demand Uncertainty with Elyasi, M., Ekici, A. and Ozener, O.O., Yanikoglu, I; Dolgui, A, *International Journal of Production Research*, Vol 62, Issue 1-2, 157-170. (2024)
9. "A Matheuristic for the Joint Replenishment Problem with and without Resource Constraints" with Elyasi, M., Ekici, A. and Ozener, O.O., *Annals of Operation Research*, published online. (2024)

#### **PUBLICATIONS IN NATIONAL REFEREED JOURNALS and BOOK CHAPTERS\***

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1. "Client-Server versus Peer-to-Peer" with Sunay O., *Boğaziçi Journal Review of Social, Economic and Administrative Studies*, 30(2), pg 37-57, (2016).
2. "Bilgi Verici Reklam ile Sıralı Seçimlerde Sosyal Öğrenme", *Finans-Politik ve Ekonomik Yorumlar Dergisi*, 650, pg 185-204, (2019).
3. "Price and Quality Decisions of a Service Provider under Heterogeneous Demand" with Atahan P., *Boğaziçi Journal Review of Social, Economic and Administrative Studies*, 33(2), pg 83-105, (2019).
4. "A Game Theoretical Framework for Allocating Cost and Gas Emission Responsibilities in a Collaborative Setting" with with Ozener O.O., *METU Studies in Development*, 46(2), pg 129-152 (2019).
5. "Product Launching Under Competition" In *Current Academic Studies Interdisciplinary Approaches to Academia*, pg 249-263, (2018).
6. "Collaborative Framework Design in Transportation Using Game Theory Methods" In *New Horizons in Social Sciences and Humanities*, pg 123-140, (2019).

\*as required by the Council of Higher Education for Associate Professorship in Turkey.

#### **WORKING PAPERS**

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1. "Goals: Self-Set versus Assigned" with Guney, B. and Uler, N.
2. "Contract Design with Probation", with Akin S.N.
3. "Cost Allocation Mechanisms in a Capacitated Lot-Sizing Problem", with Ekici, A., and Ozener, O.O.

4. "Finding the Determinants of Player Market Value in Association Football Using FIFA Video Game Data" with Eren O.C., Albey E. and Ozener O.O.
5. "Economic Lot-Sizing Games with Concave Ordering and Holding Costs" with Ekici, A., Ozen, U., and Ozener, O.O.

## GRANTS

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1. "Goals: Self-Set versus Assigned" PI: Altan, B., Co-PI Guney, B., Tubitak 1002, (2017-2018), Budget: 28,200 TL
2. "Cooperative Game Theory Approaches for Collaborative Dynamic Lot Sizing Problem" PI: Ozener, O.O., Co-PI: Altan, B. and Ekici, A., Tubitak 1001, (2018-2020), Budget: 334,000 TL
3. "Applications of Optimization under Uncertainty Methods on Production Planning, Supply Chain and Logistics" PI: I. Yanikoglu, Co-PI: Altan, B. Tubitak 3501, (2021-2024), Budget: 354,700 TL

## TEACHING EXPERIENCE

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Department of Economics, Ozyegin University, 2010-

*Undergraduate Level*

Introductory Microeconomics, Intermediate Microeconomic Theory, Game Theory, Industrial Organization

*Graduate Level*

Managerial Economics, Game Theory

Department of Economics, UNC-Chapel Hill, 2005-2010

*Undergraduate Level*

Industrial Organization, Intermediate Micro Economic Theory