



# SEKIN ZBİLEN

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## RESEARCH INTERESTS

Coalition Formation Games, Matching Theory, Economic Design, Algorithmic Game Theory

## CURRENT POSITION

### Instructor

Özyeğın University, Department of Economics

Sep. 2023 - ongoing  
Istanbul, Turkey

## EDUCATION

### Doctor of Philosophy | *Economics*

Istanbul Bilgi University

March 2019  
Istanbul, Turkey

### Master of Science | *Mathematical Engineering*

Istanbul Technical University

July 2018  
Istanbul, Turkey

### Bachelor of Science | *Mathematics*

Bogazici University

Feb. 2010  
Istanbul, Turkey

## RESEARCH VISITS

### Post Doctoral Research Fellow | *Economics*

University of Lausanne

Sep. 2020 – Sep. 2021  
Lausanne, Switzerland

### Visiting Ph.D. Student | *Economics*

Maastricht University

Aug. 2015 – Jan. 2016  
Maastricht, Netherlands

## WORK EXPERIENCE

### Instructor

Özyeğın University, Department of Economics

Sep. 2023 - ongoing  
Istanbul, Turkey

### Visiting Faculty

Özyeğın University, Department of Economics

Sep. 2021 - Aug. 2023  
Istanbul, Turkey

### Instructor

Istanbul Bilgi University, Department of Economics

March 2019 – Sep. 2020  
Istanbul, Turkey

### Teaching Assistant

Istanbul Bilgi University, Department of Economics

Sep. 2013 – Sep. 2020  
Istanbul, Turkey

### Teaching Assistant

Bogaziçi University, Department of Mathematics

June 2010 – Aug. 2012  
Istanbul, Turkey

## COURSES TAUGHT

Özyeğin University, Department of Economics

Sep. 2021 - ongoing

- ECON 101 Introduction to Microeconomics
- MATH 201 Probability for Social Sciences
- MATH 202 Statistics for Social Sciences

Istanbul Bilgi University, Department of Economics

March 2019 – Sep. 2020

- EC 101 Introduction to Microeconomics
- EC 381 Managerial Economics
- HM 109 Business Mathematics
- BUS 274 Further Statistics for Business

## WORKING PAPERS AND WORK IN PROGRESS

**Stability concepts for many division problems: Existence under different membership rights.**

*with Mehmet Karakaya*

**Core-exchange stability in hedonic coalition formation games.**

**Bargaining set and consistent bargaining set solutions for hedonic coalition formation games.**

**Condorcet winner in hedonic coalition formation games.**

*with Ercan Aslan*

## PUBLICATIONS

**Core stability and strategy-proofness in hedonic coalition formation problems with friend-oriented preferences.**

2025, *forthcoming in Games and Economic Behavior*

*with Bettina Klaus and Flip Klijn*

**Anonymous and separable hedonic coalition formation games: Nash stability under different membership rights.**

2023, *Business and Economics Research Journal*, 14(3): 303 - 319.

*with Mehmet Karakaya*

**Hedonic coalition formation games: Nash stability under different membership rights**

2023, *Journal of Business, Economics, and Finance*, 12(1): 45 - 58.

*with Mehmet Karakaya*

**Internal stability and Pareto optimality in hedonic coalition formation games.**

2022, *Journal of Management and Economics Research*, 20(4): 335 - 350.

*with Mehmet Karakaya*

**Koalisyon oluşumu oyunları: İçsel kararlılık (Coalition formation games: Internal stability)**

2022, *Ankara University SBF Journal*, 77(4): 853 - 875.

## PROCEEDINGS

**Unanimity, Consistency, and Maskin Monotonicity Properties of Internally Stable and Pareto Optimal**

**Rule in Hedonic Coalition Formation Games**, *Proceedings of the International Conference on Economics - Regional Development - Digital Economy*, 2022, pg. 540

**Population Sensitivity Properties of Internally Stable Solution in Hedonic Coalition Formation**

**Games**, *Proceedings of the 18th International Balkan and Near Eastern Congress Series on Economics, Business, and Management*, 2022, pg. 757

**Hedonic Coalition Formation Games: Characterization of a Core Stable Partition Under Preference**

**Profile Restrictions**, *Proceedings of the 6th International Conference on Knowledge, Economy, and Management*, 2022, pg. 621

**The Core and Internal Stability in Hedonic Coalition Formation Games: Individual Preference**

**Restrictions**, *Proceedings of the 5th International Congress on Critical Debates in Social Sciences*, 2022, pg. 39

## BOOK CHAPTERS

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### **House allocation problems and the serial dictatorship rule.**

*with Mehmet Karakaya*

August 2023, Innovative Research in Social, Human, and Administrative Sciences,  
Chapter 24: 469 - 487, Duvar Yayınları, İzmir, Turkey

## CONFERENCES AND PRESENTATIONS

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The 12th Conference on Economic Design, Padua, Italy, June 2022

Dagstuhl Seminar 21331 Coalition Formation Games, Germany, Aug. 2021

Dagstuhl Seminar 21301 Matching Under Preferences: Theory and Practice, Germany, July 2021

The 39th Bosphorus Workshop on Economic Design, Marmaris, Turkey, July 2019

Murat Sertel Workshop on Economic Design, Caen, France, May 2018

The Thirteenth European Meeting on Game Theory (SING13), Paris, France, July 2017

The Tenth Conference on Economic Design, York, United Kingdom, June 2017

ASSET 2016, Annual Meeting of the Association of Southern European Economic Theorists, Thessaloniki, Greece, Nov. 2016

GAMES 2016, The Fifth World Congress of the Game Theory Society, Maastricht, Netherlands, July 2016

The 13th Meeting of the Society for Social Choice and Welfare, Lund, Sweden, June 2016

The Sixth International Workshop on Computational Social Choice, Toulouse, France, June 2016

## HONORS AND AWARDS

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### **Post Doctoral Research Fellowship | at University of Lausanne**

Sep. 2020 – Sep. 2021

The Scientific and Technological Research Council of Turkey

### **Doctoral Research Fellowship | at Maastricht University**

Aug. 2015 – Jan. 2016

The Scientific and Technological Research Council of Turkey

### **Grant for Short Term Research Visit | at Maastricht University**

Aug. 2014

COST Action IC1205 on Computational Social Choice

### **Graduate Student Fellowship**

Sep. 2011 – March 2019

Istanbul Bilgi University

### **Undergraduate Student Fellowship**

Sep. 2005 – Feb. 2010

Turkish Education Foundation (TEV)

## REFEREE SERVICE

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Social Choice and Welfare, Theory and Decision, Journal of Artificial Intelligence Research, International Advances in Economic Research, Business and Economics Research Journal, Journal of Turkish Operations Management, Ege Academic Review, Pamukkale İşletme Araştırmaları Dergisi, Bulletin of Economi Theory and Analysis, İzmir İktisat Dergisi

## SKILLS

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**Language:** Turkish (Native), English (Fluent)

**Programming Language:** Python, R

**Software:** L<sup>A</sup>T<sub>E</sub>X, Microsoft Office