

Furkan Doğan

furkandoann@gmail.com

| +90 554 712 91 42

| Istanbul, Türkiye

| [LinkedIn](#)

Areas of Expertise

Microeconomic Theory, Market Design, Matching Theory, Mechanism Design

Education

Ph.D. in Economics

2020–2026

Koç University

- Dissertation: Three Essays on Allocation Problem with Discrete Resources
- Advisor: [Assoc. Prof. Özgür Yılmaz](#)

M.A. in Economics

2017–2019

Sabancı University

- Thesis: On random object allocation
- Advisor: [Prof. Ahmet Alkan](#)

B.A. in Economics

2012–2017

Boğaziçi University

Research Papers

Many-to-many Matching with Cluster-Approximated Spatial Constraints (Job Market Paper)

with Özgür Yılmaz and Ömer Faruk Şahin. *The Scandinavian Journal of Economics*, forthcoming.

[\[Working Paper\]](#)

The Worst-Rank Frontier in Discrete Resource Allocation: No-Envy, Ordinal Efficiency, and Probabilistic Serial

with Özgür Yılmaz. *Submitted*.

Work in Progress

Is the Weighted Sum a Meritocratic Method? A Mechanism Design Approach to Research Assistant Recruitment in Turkey

Equitable Affirmative Action in School Choice

with Özgür Yılmaz.

Selected Research Projects

TÜBİTAK 1002-A Short-Term R&D Funding Program – Project Coordinator 2025–2026

Is the Weighted Sum a Meritocratic Method? A Mechanism Design Approach to Research Assistant Recruitment in Turkey

- Develops a mechanism-design framework to study fairness, robustness, and manipulability in weighted-score recruitment systems.
- Models score aggregation and GPA normalization rules and evaluates alternative mechanisms using normative criteria for fair and manipulation-resistant recruitment.

TÜBİTAK 1001 Research Project – Scholar

2024–2026

An Allocation of Pharmacy Shifts: A Mechanism Design Approach

- Develops matching mechanisms for pharmacy duty scheduling under hard feasibility, fairness, and spatial-distribution constraints.
- Contributes to the theoretical characterization of feasible assignments, the design of implementable allocation mechanisms, and simulation analysis using real-world scheduling data.

Conference Presentations

8th International Workshop on Matching under Preferences (MATCH-UP 2026) Jul 2026

Paris, France

Many-to-many Matching with Cluster-Approximated Spatial Constraints ([poster](#))

14th Warwick Economics PhD Conference

May 2026

Coventry, UK

Is the Weighted Sum a Meritocratic Method? A Mechanism Design Approach to Research Assistant Recruitment in Turkey

Second Spring Meeting of the Turkish Economic Association (SMTEA 2026) May 2026

Istanbul, Türkiye

Is the Weighted Sum a Meritocratic Method? A Mechanism Design Approach to Research Assistant Recruitment in Turkey

International Symposium on Measurement, Selection and Placement

Oct 2024

Ankara, Türkiye

Equitable Affirmative Action in School Choice

Teaching Experience

Course Instructor

2023–2025

Koç University

- Math Camp for M.A. and Ph.D. Students
- High School Economics Camp

Research and Teaching Assistant

2023–Present

Necmettin Erbakan University

- Microeconomics

Research and Teaching Assistant

2021–2023

Istanbul Bilgi University

- Microeconomics
- Managerial Economics
- Math Camp for LSE Honors Programme

Teaching Assistant

2020–2024

Koç University

- Economic Development
- Public Finance
- Banking and Regulation
- Public Economics

Teaching Assistant

2017–2019

Sabancı University

- Microeconomics
- Matching Markets
- Games and Strategies
- Macroeconomics

Teaching Assistant <i>Istanbul Sabahattin Zaim University</i>	2017–2020
---	-----------

- Mathematics

Other Experience

Founder <i>Match and Design</i>	2023–Present
---	--------------

Development of market-design and algorithmic allocation tools for education and scheduling applications.

Honors and Awards

Institute Social PhD Research Grant	2026–Present
--	--------------

TÜBİTAK 2214/A International Research Fellowship <i>Awarded for a proposed research visit to Boston College; host: Prof. Utku Ünver; visit not undertaken.</i>	2023–2024
--	-----------

TÜBİTAK 2211/A National Ph.D. Scholarship	2020–2024
--	-----------

Koç University Full Ph.D. Scholarship	2020–2026
--	-----------

Sabancı University Full M.A. Scholarship	2017–2019
---	-----------

Technical Skills

Python, MATLAB, R, Stata, L^AT_EX