

SEDAT ORS

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CONTACT INFORMATION

Georgia Institute of Technology, School of Economics,
221 Bobby Dodd Way, Atlanta, GA 30332-0615

Email: sors3@gatech.edu
Phone (Whatsapp): +1 404-834-2985

EDUCATION

- PhD in Economics, Georgia Institute of Technology, Atlanta, GA 2026
- MS in Economics, Georgia Institute of Technology, Atlanta, GA 2025
- MA in Economics University of Hawaii at Manoa, Honolulu, HI 2019
- BA in Economics, TOBB University of Economics and Technology, Ankara, Türkiye 2011

RESEARCH INTERESTS

Areas: Climate Change, Development Economics, Health Economics, International Trade

Methods: Econometrics, Data Mining, Applied Statistics.

PUBLICATIONS

1. **Örs, S.**, Dikmen, F. H., Başçı, S., & Beydilli, K. (2026). *Energy Usage in Türkiye: An Index Decomposition and Econometric Analysis. Energy & Environment*. DOI: 10.1177/0958305X261434421 [[Link](#)]
2. **Örs, S.**, Tekin, M., & Beydilli, K. (2024). İklim Değişikliği ve Göç: KKTC'den Türkiye'nin Bazı Şehirlerine Yönelik Göçün Çekim Modeli Yaklaşımıyla Analizi (Climate Change and Migration: Analyzing the Movement from TRNC to Turkish Cities Using a Gravity Model Approach). *Ekonomik Yaklaşım*, 35(133), 449–478. [[Link](#)]

WORKING PAPERS

1. "Türkiye at the Crossroads: Climate Change Impacts and Internal Migration" [JMP] [[Link](#)]
2. "Climate Change and Health Risks: Understanding Exposure and Vulnerability"
3. "The Impact of Climate Change on International Agricultural Trade"

WORK IN PROGRESS

1. "The Effect of Climate Law on CO₂ Emissions and Agricultural Production in developing countries"
2. "Public Procurement and Climate Change: The Role of Green Finance in Advancing Climate Goals"

RESEARCH EXPERIENCE

- Research Fellow, Ministry of National Education of the Republic of Türkiye 08/2017 - Present
Areas: Climate Change Policy, Spatial data, Data for social good, Data analysis.
Supervisor: Dr. Burhanettin Coskun
- Research Assistant, Osmaniye Korkut Ata University 03/2016 - 08/2017
Areas: Economics and Business Analytics.
Supervisors: Dr. Zeynep Turk
- Research Assistant, Yildirim Beyazıt University 02/2012 - 03/2016
Areas: Electricity and Energy Consumption.
Supervisor: Dr. Abdulkadir Develi

TEACHING EXPERIENCE

Osmaniye Korkut Ata University

- Teaching Assistant 03/2016 - 08/ 2017
Courses: Principles of Economics, Business Analytics
Responsibilities: Assisted lectures, graded assignments, and held office hours for undergraduate students

Yıldırım Beyazıt University

- Teaching Assistant 03/2012 - 08/2016
Courses: Energy Economics, Statistics, Introduction to Mathematics for Economist
Responsibilities: Supported course instruction, prepared teaching materials, and assisted in lab sessions

CONFERENCE ATTENDANCE

- South-East Exchange of Development Studies (SEEDS) Atlanta, GA 04/2026
- Southeastern Workshop on Energy and Environmental Economics and Policy (SWEEEP), Atlanta, GA 10/2025
- The Road to 2030: Accelerating Progress on the Sustainable Development Goals, Kyrenia, North Cyprus 05/2025
- Euro-Mediterranean Conference for Environmental Integration (EMCEI-23), Rende (Cosenza), Italy 10/2023
- Summer Institute in Computational Social Science (SICSS), Atlanta, GA 07/2023

SKILLS

Software: Python, R, Stata, GitHub, L^AT_EX.

Methods: Econometrics (DID, IV, RD, SUTVA), Linear/Logistic regression, PPML, ARDL, Decision trees (CART), Random forest, K-Means, Text analysis, ANOVA.

ML Libraries: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Scikit-TDA, SciPy, Keras, TensorFlow, PyTorch, DoWhy, EconML, Causal ML.

Languages: English (fluent), German (B1), Turkish (native)

AWARDS

- Full Scholarship for Master's and Ph.D. Studies 2017 - Present
Awarding Institution: Ministry of National Education, Republic of Türkiye
Description: Covers full tuition and provides a monthly stipend for living expenses during graduate studies
- Undergraduate Scholarship 2006 – 2010
Full Scholarship: TOBB University of Economics and Technology, Türkiye

REFERENCES

Matthew Oliver (Advisor)

Associate Professor
School of Economics
Georgia Institute of Technology
Email: matthew.oliver@econ.gatech.edu

Tibor Besedes

Professor
School of Economics
Georgia Institute of Technology
Email: tibor.besedes@econ.gatech.edu

Daniel Dench

Assistant Professor
School of Economics
Georgia Institute of Technology
Email: dench@gatech.edu