

Assoc. Prof. Tunç DURMAZ

Personal Information

Office Phone: [+90 212 383 6811](tel:+902123836811)

Web: <https://www.tuncdurmaz.com>

Biography

Tunç Durmaz is an Associate Professor at the Economics Department at Yildiz Technical University in Istanbul. His research interests lie in economics of climate change, carbon capture and storage, energy storage, electricity economics and markets, technological change and green growth, and investment, consumption, and production decisions of prosumers. His research has been published in journals such as Energy Economics, Renewable and Sustainable Energy Reviews, Environmental Modeling & Assessment, Climate Change Economics, and Economics Of Energy & Environmental Policy to name a few. At Yildiz Technical University, Durmaz teaches courses in Microeconomics, Environmental Economics (Masters), Energy and Resource Economics, Economics of Regulation and Competition Policy, and Introduction to Computer Science.

He received his Ph.D. in Economics from the Norwegian School of Economics. In his Ph.D. thesis, he scrutinizes the role of different technologies and technological change can play in facilitating green economic growth. From 2015 to 2016, he was a postdoctoral fellow at the School of Energy and Environment at the City University of Hong Kong.

[Tunç Durmaz on Google Scholar](#)

Education Information

Post Doctorate, City University of Hong Kong, School of Energy and Environment, Hong Kong 2015 - 2016

Doctorate, Norges Handelshøyskole/Nhh (Norwegian School Of Economics And Business Administration), Economics, Economics, Norway 2009 - 2015

Postgraduate, University Of Southern California, Department Of Economics, Economics, United States Of America 2007 - 2009

Postgraduate, Marmara University, Institute Of Social Sciences, Department Of Economics (Eng), Turkey 2004 - 2007

Undergraduate, Dokuz Eylül University, Faculty Of Business Administration, İktisat, Turkey 1999 - 2003

Foreign Languages

French, B1 Intermediate

English, C2 Mastery

Norwegian, C1 Advanced

German, B2 Upper Intermediate

Dissertations

Doctorate, Essays in Energy, Environment and Technology, Norwegian School Of Economics, Department Of Economics, Economics, 2015

Research Areas

Social Sciences and Humanities, Economics, Theory of Economy

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 2019 - Continues

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty Of Economic And Administrative Sciences, Department Of Economics, 2021 - Continues

Erasmus Coordinator, Yildiz Technical University, Faculty Of Economic And Administrative Sciences, Department Of Economics, 2017 - 2020

Courses

Introductory Computer Science , Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Environmental Economics, Postgraduate, 2020 - 2021

Introduction to Economics, Undergraduate, 2020 - 2021

Enerji ve Doğal Kaynaklar Ekonomisi, Undergraduate, 2020 - 2021

Introduction to Environmental Economics, Undergraduate, 2018 - 2019

The Economics of Regulation and Competition, Undergraduate, 2017 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Estimation of residential electricity demand in Hong Kong under electricity charge subsidies**
DURMAZ T., Pommeret A., TAŞTAN H.
ENERGY ECONOMICS, vol.88, 2020 (Journal Indexed in SSCI)
- II. **EVALUATING CARBON CAPTURE AND STORAGE IN A CLIMATE MODEL WITH ENDOGENOUS TECHNICAL CHANGE**
Durmaz T., Schroyen F.
CLIMATE CHANGE ECONOMICS, vol.11, no.1, 2020 (Journal Indexed in SSCI)
- III. **Smart grids and renewable electricity generation by households**
Dato P., DURMAZ T., Pommeret A.
ENERGY ECONOMICS, vol.86, 2020 (Journal Indexed in SSCI)
- IV. **Levelized Cost of Consumed Electricity**
DURMAZ T., Pommeret A.
ECONOMICS OF ENERGY & ENVIRONMENTAL POLICY, vol.9, no.1, pp.243-262, 2020 (Journal Indexed in SSCI)
- V. **A Two-Sector Model of Economic Growth with Endogenous Technical Change and Pollution Abatement**
Amigues J., Durmaz T.
Environmental Modeling and Assessment, vol.24, no.6, pp.703-725, 2019 (Journal Indexed in SCI)
- VI. **The economics of CCS: Why have CCS technologies not had an international breakthrough?**
DURMAZ T.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.95, pp.328-340, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Feed-in tariff policy in Hong Kong: is it efficient?**
Durmaz T., Pommeret A., Dato P.
City and Environment Interactions, vol.10, pp.1-10, 2021 (Journal Indexed in ESCI)
- II. **Düşük Karbon Ekonomisine Geçiş ve Bu Geçişte Karbon Yakalama ve Depolamanın Rolü**
Durmaz T.
Sosyal Bilimler Araştırmaları Dergisi, vol.0, no.0, pp.205-224, 2019 (Other Refereed National Journals)
- III. **Energy Storage and Renewable Energy: An Economic Approach**
Durmaz T.
YILDIZ Social Science Review, no.4, pp.15-38, 2018 (National Refreed University Journal)
- IV. **Are households ready to pay for solar panels and smart grids?**
DURMAZ T., Pommeret A., Ridley I.
IAEE Energy Forum, pp.25-28, 2018 (Refereed Journals of Other Institutions)
- V. **Strategic Dynamic Climate Policy: The Role of CCS**
Durmaz T.
Yönetim ve Ekonomi Araştırmaları Dergisi, vol.15, no.5, pp.212-228, 2017 (National Refreed University Journal)
- VI. **Willingness to Pay for Solar Panels and Smart Grids**
DURMAZ T., Pommeret A., Ridley I.
FEEM working papers "Note di lavoro" series, pp.1-24, 2017 (Refereed Journals of Other Institutions)
- VII. **"Optimal storage under uncertainty: Investigating the implications of frugality and prudence"**
Durmaz T.
Economics Bulletin, vol.37, 2017 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Renewables, Energy Storage, and Smart Grids**
Durmaz T., Pommeret A., Dato P.
in: Climate and Energy protection in the EU and China - 5th Workshop on EU-Asia Relations in Global Politics, Hefele,P.,Palocz-Andresen,M.,Rech,Kohler,J.-H., Editor, Springer-Verlag , Berlin, pp.85-94, 2019
- II. **Environmental Catastrophes and Deep Uncertainties Surrounding the Economics of Climate Change**
DURMAZ T.
in: Environment and Sustainability, Aydın Celil, Darıcı Burak, Editor, Peter Lang, Berlin, pp.171-186, 2019
- III. **Non-Cooperative Duopoly Games under Uncertainty of Discount Rates**
Durmaz T.
in: Firms' Strategic Decisions: Theoretical and Empirical Findings, Kazuhiro Ohnishi, Editor, Bentham Science, Sharjah, pp.36-50, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Electricity market capacity mechanism and strategic capacity withholding in Turkey**
DURMAZ T., ACAR AYTEKİN S., KIZILKAYA YERLİSU S.
5th AIEE Energy Symposium Current and Future Challenges to Energy Security – energy perspectives beyond COVID19 –, 15 - 17 December 2020
- II. **Moderate economic inequality boosts AI**
DURMAZ T., ÜNVEREN B.
Economics of Digitization, 19 - 20 November 2020
- III. **Düşük Karbon Ekonomisine Geçiş Ve Bu Geçişte Kyd'nin Rolü**
DURMAZ T.

DÜŞÜK KARBON EKONOMİSİNE GEÇİŞ VE BU GEÇİŞTE KYD'NİN ROLÜ, Kocaeli, Turkey, 14 - 15 November 2019, pp.76-81

- IV. **Levelized Cost of Consumed Electricity**
DURMAZ T., Pommeret A.
24th Annual Conference of the European Association of Environmental and Resource Economists, Manchester, United Kingdom, 26 - 29 June 2019
- V. **Supply uncertainty in electricity markets**
DURMAZ T.
TÜRKİYE EKONOMİ KURUMU ULUSLARARASI EKONOMİ KONFERANSI - UEK-TEK 2018, 1 - 03 November 2018, pp.1994-2000
- VI. **Estimation of the Residential Electricity Demand in Hong Kong**
DURMAZ T., POMMERET A., TAŞTAN H.
International Conference on Empirical Economics and Social Sciences (ICEESS'18), 27 - 28 June 2018
- VII. **The Economics Of CCS: A Survey Of The Recent Literature**
DURMAZ T.
3rd International Conference on Applied Economics and Finance, Girne, Cyprus (Kkct), 06 December 2017, pp.117
- VIII. **Willingness to pay for solar panels and smart grids**
DURMAZ T., Pommeret A., Ian R.
4th FAERE Annual Conference, Nancy, France, 12 - 13 September 2017
- IX. **Smart grids and renewable electricity generation by households**
DURMAZ T., Dato P., Pommeret A.
23rd Annual Conference of the European Association of Environmental and Resource Economists, Atina, Greece, 28 June - 01 July 2017
- X. **Renewables, Energy Storage and Smartgrids**
DURMAZ T., Pommeret A., Dato P.
The 65th Annual Meeting of the French Economic Association, Nancy, France, 27 - 29 June 2016
- XI. **Evaluating Carbon Capture and Storage in a Climate Model with Endogenous Technical Change**
DURMAZ T., Schroyen F.
Bergen IAEE2016 International Conference - Energy: Expectations and Uncertainty, Bergen, Norway, 19 June 2016
- XII. **The Role and Implications of Energy Storage: An Economic Perspective**
DURMAZ T.
38th IAEE International Conference, Antalya, Turkey, 25 May 2015

Other Publications

- I. **Smart Grids and Renewable Electricity Generation by Households**
DURMAZ T., Pommeret A., Dato P.
Technical Report, 2017
- II. **Precautionary Storage in Electricity Markets**
DURMAZ T.
Technical Report, 2016
- III. **Energy Storage and Renewable Energy**
DURMAZ T.
Technical Report, 2014
- IV. **Evaluating Carbon Capture and Storage in a Climate Model with Directed Technical Change**
DURMAZ T., Schroyen F.
Technical Report, 2013

Supported Projects

DURMAZ T., KIZILKAYA YERLİSU S., KARADUMAN H. A. , Project Supported by Higher Education Institutions, Türkiye'de Elektrik Üretim Arızaları, Stratejik Kapasite Alkoyma ve Kapasite Ücretlendirme Mekanizması, 2021 - Continues

Scientific Refereeing

RESOURCE AND ENERGY ECONOMICS, Journal Indexed in SSCI, December 2020
ENERGY ECONOMICS, Journal Indexed in SSCI, December 2020
ENERGY JOURNAL, Journal Indexed in SSCI, December 2020
ENERGY JOURNAL, Journal Indexed in SSCI, October 2020
ENERGY JOURNAL, Journal Indexed in SSCI, July 2020
ECONOMICS BULLETIN, Journal Indexed in ESCI, June 2020
CITY AND ENVIRONMENT INTERACTIONS, Other Indexed Journal, March 2020
REVIEW OF INDUSTRIAL ORGANIZATION, Journal Indexed in SSCI, October 2019
ENERGY JOURNAL, Journal Indexed in SSCI, January 2019
ENERGY, SCI Journal, November 2018
ECONOMICS BULLETIN, Journal Indexed in ESCI, October 2018
ENERGY JOURNAL, Journal Indexed in SSCI, August 2018
ENERGY JOURNAL, Journal Indexed in SSCI, July 2018
RESOURCE AND ENERGY ECONOMICS, Journal Indexed in SSCI, March 2018
ENERGY, SCI Journal, December 2017
SCANDINAVIAN JOURNAL OF ECONOMICS, SCI Journal, November 2016
Natural Resource Modeling, Journal Indexed in SCI-E, April 2016
NATURAL RESOURCE MODELING, Journal Indexed in SCI-E, January 2016

Edit Congress and Symposium Activities

International Conference on Applied Economics and Finance (ICOAEF 2017), Attendee, Girne, Cyprus (Kktc), 2017
4th French Association of Environmental and Resource Economists (FAERE) Annual Conference, Attendee, Nancy, France, 2017
EconAnadolu 2017, Attendee, Eskişehir, Turkey, 2017
The 39th International Association for Energy Economics (IAEE) International Conference, Attendee, Bergen, Norway, 2016
The 65th Annual Meeting of the French Economic Association, Attendee, Nancy, France, 2016
European Association of Environmental and Resource Economists (EAERE) 22st Annual Conference, Attendee, Zürich, Switzerland, 2016
Rokko Forum (invited), Graduate School of Economics, Kobe University, Attendee, Kôbe, Japan, 2016
10th Conference on The Economics of Energy and Climate Change, Attendee, Toulouse, France, 2015
EAERE 21st Annual Conference, Attendee, Helsinki, Finland, 2015
Bergen Economics of Energy and Environment Research Conference 2015 (BEEER 2015), Attendee, Bergen, Norway, 2015
The 38th IAEE International Conference, Attendee, Antalya, Turkey, 2015
5th World Congress of Environmental and Resource Economists, Attendee, İstanbul, Turkey, 2014
The 37th IAEE International Conference, Special PhD Session, Attendee, New York, United States Of America, 2014
BEEER 2014, Attendee, Bergen, Norway, 2014
The Economics of Energy Markets (invited), Attendee, Toulouse, France, 2014
FIBE 2014, Attendee, Bergen, Norway, 2014
The 36th Annual Meeting of the Norwegian Association of Economists, Attendee, Oslo, Norway, 2014

EAERE 20th Annual Conference, Attendee, Toulouse, France, 2013

Nordic Workshop in Industrial Organization, NORIO VIII, Attendee, København, Denmark, 2012

BEEER 2012, Attendee, Bergen, Norway, 2012

Research Conference: Energy and the Environment, Attendee, Bergen, Norway, 2011

Citations

Total Citations (WOS):18

h-index (WOS):2

Invited Talks

Energy Economics, Conference, World Energy Strategies Congress and Exhibition 2019 , Turkey, August 2019

Lunch Seminar, Seminar, Universitaet Basel (University of Basel), Switzerland, February 2019

Awards

Durmaz T., Publication Score (2018) - 3rd place (Yıldız Technical University - Faculty of Economics and Administrative Sciences), Yıldız Teknik Üniversitesi, November 2019

Durmaz T., Best paper award - Ecological Economics, 3Rd International Conference On Applied Economics And Finance, December 2017