

## Assoc. Prof. İSTEMİ BERK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: P-1372-2019

ScopusID: 37010152100

Yoksis Researcher ID: 178696

### Education Information

Doctorate, Universitaet zu Köln, Institute of Energy Economics, Germany 2011 - 2014

Postgraduate, Izmir University Of Economics, Institute Of Social Sciences, Finans Ekonomisi (YI) (Tezli) (İngilizce), Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Petroleum And Natural Gas Engineering, Turkey 2002 - 2007

### Dissertations

Doctorate, Four Essays on Energy Prices and Resource Markets, Universitat Zu Köln, Ekonomi, 2014

Postgraduate, Issues on crude oil price volatility: Determinants and impact of futures trading, Izmir University Of Economics, Institute Of Social Sciences, Finans Ekonomisi (YI) (Tezli) (İngilizce), 2010

### Research Areas

Economics, Development Economics and Economic Growth

### Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, İşletme Fakültesi, İngilizce İktisat Bölümü, 2020 - Continues

Assistant Professor, Dokuz Eylul University, İşletme Fakültesi, İngilizce İktisat Bölümü, 2015 - 2020

### Courses

İktisadi Büyüme, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Endüstriyel İktisat, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Ekonometri, Postgraduate, 2020 - 2021

Panel Veri Ekonometrisi, Postgraduate, 2020 - 2021

İktisada Giriş (Mikroiktisat), Undergraduate, 2020 - 2021, 2019 - 2020

Ekonometri, Doctorate, 2019 - 2020

İktisada Giriş (Makroiktisat), Undergraduate, 2019 - 2020

Enerji Ekonomisi, Undergraduate, 2018 - 2019, 2017 - 2018  
İKTİSAT 2 (İKTİSADA GİRİŞ: MAKROİKTİSAT), Undergraduate, 2017 - 2018  
İKTİSAT 1 (İKTİSADA GİRİŞ: MİKROİKTİSAT), Undergraduate, 2017 - 2018  
İŞLETME İKTİSADI, Undergraduate, 2017 - 2018

## Advising Theses

BERK İ., Yeşil enerji inovasyonun imalat performansı üzerine etkilerinin ülkeler arası analizi: OECD ülkelerinden kanıtlar, Postgraduate, F.YAVUZ(Student), 2020  
BERK İ., Enerji altyapı kalitesinin endüstriyel performansa etkileri: OECD ülkelerinin imalat sanayi sektörlerinde bir panel veri analizi, Postgraduate, P.ACAR(Student), 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Energy intensity and directed fiscal policy**  
Yetkiner İ. H., Berk İ.  
ECONOMIC SYSTEMS, vol.47, no.2, pp.101070, 2023 (SSCI)
- II. **Future availability of natural gas: Can it support sustainable energy transition?**  
Ediger V. Ş., Berk İ.  
RESOURCES POLICY, vol.85, pp.103824, 2023 (SSCI)
- III. **A unified theory and evidence on CO2 emissions convergence**  
Berk İ., Onater-Isberk E., Yetkiner H.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.14, pp.20675-20693, 2022 (SCI-Expanded)
- IV. **Power infrastructure quality and industrial performance: A panel data analysis on OECD manufacturing sectors**  
Acar P., BERK İ.  
ENERGY, vol.239, 2022 (SCI-Expanded)
- V. **The shift in global crude oil market structure: A model-based analysis of the period 2013-2017**  
BERK İ., Cam E.  
ENERGY POLICY, vol.142, 2020 (SCI-Expanded)
- VI. **Towards a common renewable future: The System-GMM approach to assess the convergence in renewable energy consumption of EU countries**  
BERK İ., Kasman A., Kilinc D.  
ENERGY ECONOMICS, vol.87, 2020 (SSCI)
- VII. **A historical assessment of Turkey's natural gas import vulnerability**  
BERK İ., Ediger V. S.  
ENERGY, vol.145, pp.540-547, 2018 (SCI-Expanded)
- VIII. **Forecasting the coal production: Hubbert curve application on Turkey's lignite fields**  
BERK İ., Ediger V. S.  
RESOURCES POLICY, vol.50, pp.193-203, 2016 (SSCI)
- IX. **Regulatory interventions in the US oil and gas sector: How do the stock markets perceive the CFTC's announcements during the 2008 financial crisis?**  
BERK İ., Rauch J.  
ENERGY ECONOMICS, vol.54, pp.337-348, 2016 (SSCI)
- X. **An assessment of mining efficiency in Turkish lignite industry**  
Ediger V. S., BERK İ., Ersoy M.  
RESOURCES POLICY, vol.45, pp.44-51, 2015 (SSCI)
- XI. **Lignite resources of Turkey: Geology, reserves, and exploration history**  
Ediger V. S., BERK İ., Kosebalaban A.

- INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.132, pp.13-22, 2014 (SCI-Expanded)
- XII. **Energy prices and economic growth in the long run: Theory and evidence**  
BERK İ., Yetkiner H.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.36, pp.228-235, 2014 (SCI-Expanded)
- XIII. **Crude oil import policy of Turkey: Historical analysis of determinants and implications since 1968**  
Ediger V. S., BERK İ.  
ENERGY POLICY, vol.39, no.4, pp.2132-2142, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Gasoline Consumption, CO2 Emissions, Transportation Infrastructure Investment**  
BEYZATLAR M. A., BERK İ.  
Optimum Journal of Economics and Management Sciences, vol.6, no.2, pp.247-258, 2019 (Peer-Reviewed Journal)
- II. **Testing Merit-Order Effect in Turkey's Electricity Market: The Effect of Wind Penetration on Day-Ahead Electricity Prices**  
BERK İ., TORUN E.  
Akdeniz Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.19, no.1, pp.133-156, 2019 (Peer-Reviewed Journal)
- III. **The Effects of Power Infrastructure Quality on Manufacturing Industry Performance: A Panel Data Analysis on World Bank Enterprise Surveys**  
BERK İ.  
EGE ACADEMIC REVIEW, vol.18, no.4, pp.685-698, 2018 (ESCI)
- IV. **Crude Oil Price Shocks and Stock Returns: Evidence from Turkish Stock Market under Global Liquidity Conditions**  
AYDOĞAN B., BERK İ.  
International Journal of Energy Economics and Policy, vol.5, no.1, pp.54-68, 2015 (Scopus)

## Books & Book Chapters

- I. **Predatory Conduct and Collusion**  
BERK İ.  
in: Industrial Economics, Prof. Dr. Erol Taymaz, Prof. Dr. İsmail Onur Baycan, Editor, Anadolu Üniversitesi Yayınları, pp.121-145, 2023
- II. **Geostrategic Challenges in the Oil and Gas Sectors**  
EDİGER Ş. V., BERK İ.  
in: Energy, Economy, Finance and Geostrategy, Dorsman Andre, Ediger Volkan, Karan Mehmet, Editor, Springer International Publishing, pp.173-197, 2018
- III. **An Economic Assessment of Turkey's Future Role in European Oil and Gas Supply Security**  
BERK İ., Schulte S., Çam E.  
in: Turkey as an Energy Hub?, Mirja Schröder, Marc Oliver Bettzüge, Wolfgang Wessels, Editor, Nomos Publications, pp.141-182, 2017
- IV. **Türkiye'de Petrol ve Petrol Ürünleri Sektörünün Avrupa Birliği ile Rekabet Edebilirliği**  
Berk İ., Erdil E., Yetkiner İ. H.  
in: Türkiye Avrupa Birliği Sektörel Rekabet Analizleri, Selahattin Bekmez, Editor, Nobel Yayın Dağıtım, Ankara, pp.357-382, 2008

## Refereed Congress / Symposium Publications in Proceedings

- I. **Long-term Energy Intensity with Non-renewable and Renewable Energy Inputs**  
BERK İ., YETKİNER İ. H.  
VI. International Conference on Economics, Turkey, 13 May 2022
- II. **Energy-Saving Fiscal Policies: A Two-Sector Endogenous Growth Model**  
BERK İ., YETKİNER İ. H.  
7th International Conference - Turkish Economic Association, Ankara, Turkey, 09 April 2021
- III. **Environmental Regulations and Firm Performance: An Application of Porter Hypothesis on Turkish Manufacturing Industry**  
Ozkirim E., Hrovatin N., Berk İ.  
16th IAEE European Conference, Ljubljana, Slovenia, 25 - 28 August 2019
- IV. **The Shift in Global Crude Oil Market Structure: A model based analysis of the period 2013-2018**  
BERK İ., Çam E.  
ICOAEF'19, V. International Conference on Applied Economics and Finance Extended with Social Sciences, 8 April - 10 May 2019
- V. **Geostrategic Challenges in the Oil and Gas Sectors.**  
BERK İ., EDİGER Ş. V.  
6th Multinational Energy and Value Conference, 18 - 20 May 2017
- VI. **Reserve Growth Investments and Oil Market Structure: Two Period Resource Duopoly with Endogenous Intertemporal Capacity Constraints**  
BERK İ.  
15th Young Energy Economists and Engineers Seminar, 27 - 28 November 2014
- VII. **Two Period Resource Duopoly with Endogenous Intertemporal Capacity Constraints**  
BERK İ.  
Workshop on Behavioral Economics and Industrial Organization, 1 - 03 September 2014
- VIII. **The Long-term Impacts of Energy Prices on Economic Growth.**  
BERK İ., YETKİNER İ. H.  
13th IAEE European Conference, 20 - 22 August 2013
- IX. **Impacts of Oil Price Shocks on Turkish Financial System around Global Financial Crisis Evidence from Istanbul Stock Exchange.**  
BERK İ., AYDOĞAN B.  
33rd IAEE International Conference, 8 - 10 June 2010
- X. **Impacts of Financial Regulations on Crude Oil Market Evidence from USA WTI Crude Market.**  
BERK İ.  
6th International Student Conference, Izmir University of Economics, 14 - 16 April 2010
- XI. **Impacts of Financial Derivatives Market on Oil Price Volatility.**  
BERK İ.  
10th IAEE European Conference, 15 - 17 September 2009
- XII. **The Chessboard: Turkey as the Bridging Shah**  
BERK İ., AKTAN D.  
13th International Conference of Young Scholars, 28 May 2009

## Supported Projects

Berk İ., TÜBİTAK - AB COST Project, Cooperation, development and cross-border transfer of Industrial Symbiosis among industry and stakeholders (LIAISE), 2023 - 2027

Üçdoğru Gürel Y., Berk İ., Arun Ö., Töngür Ü., TÜBİTAK Project, KUANTAY Toplumsal Etki Projesi, 2023 - 2027

Berk İ., Ediger Ş. V., TÜBİTAK Project, Avrupa Yeşil Mutabakatı Çerçevesinde Adana Hacı Sabancı Organize Sanayi Bölgesi'nin Eko-Endüstriyel Parka Dönüştürülmesi Amacıyla Döngüsel Ekonomi Ve Endüstriyel Simbiyozun Geliştirilmesi, 2022 - 2024

Berk İ., Koyuncuoğlu Yılmaz C., Çınar H., Özcan Kılıç H., Erasmus Project, HERE - Social Economy of Proximity, 2020 - 2023

Yetkiner İ. H., Berk İ., TÜBİTAK Project, Sürdürülebilir Büyüme İçin Enerji Verimli Mali Politikalar, 2019 - 2022

BERK İ., Other International Funding Programs, Turkey's Potential as a Future Energy Hub Economic Developments and Political Options, 2016 - 2016

Ediger Ş. V., Berk İ., Project Supported by Other Official Institutions, Türkiye Kömür Stratejileri, 2011 - 2014

## Scientific Refereeing

ENERGY, SCI Journal, November 2021

TÜBİTAK Project, 1002 - Quick Support Program, Dokuz Eylül University, Turkey, September 2021

APPLIED ENERGY, SCI Journal, August 2021

ENERGY JOURNAL, Journal Indexed in SSCI, August 2021

ENERGY, SCI Journal, July 2021

APPLIED ENERGY, SCI Journal, June 2021

ENERGY, SCI Journal, May 2021

ENVIRONMENTAL MODELING & ASSESSMENT, SCI Journal, April 2021

ENERGY, SCI Journal, March 2021

JOURNAL OF CLEANER PRODUCTION, SCI Journal, February 2021

ENERGY ECONOMICS, Journal Indexed in SSCI, January 2021

TÜBİTAK International Bilateral Joint Cooperation Program Project, Russian Foundation for Basic Research, RFBR Bilateral Cooperation Program, Dokuz Eylül University, Turkey, December 2020

TÜBİTAK International Bilateral Joint Cooperation Program Project, Russian Foundation for Basic Research, RFBR Bilateral Cooperation Program, Dokuz Eylül University, Turkey, December 2020

TÜBİTAK International Bilateral Joint Cooperation Program Project, Russian Foundation for Basic Research, RFBR Bilateral Cooperation Program, Dokuz Eylül University, Turkey, December 2020

ENERGY, SCI Journal, November 2020

ENERGY ECONOMICS, Journal Indexed in SSCI, October 2020

TÜBİTAK International Bilateral Joint Cooperation Program Project, British Council Bilateral Cooperation Program, Dokuz Eylül University, Turkey, October 2020

RESOURCES CONSERVATION AND RECYCLING, SCI Journal, September 2020

ENERGY, SCI Journal, August 2020

ENERGY JOURNAL, Journal Indexed in SSCI, August 2020

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, May 2020

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, May 2020

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, May 2020

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, May 2020

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Journal Indexed in SSCI, February 2020

ENERGY, SCI Journal, November 2019

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, June 2019

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, June 2019

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, June 2019

TÜBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University,

Turkey, June 2019  
ENERGY JOURNAL, Journal Indexed in SSCI, May 2019  
ENERGY ECONOMICS, Journal Indexed in SSCI, April 2019  
ENERGY, SCI Journal, April 2019  
RESOURCES POLICY, Journal Indexed in SSCI, March 2019  
ENERGY & ENVIRONMENT, Journal Indexed in SSCI, November 2018  
EMPIRICAL ECONOMICS, Journal Indexed in SSCI, August 2018  
ENERGY ECONOMICS, Journal Indexed in SSCI, July 2018  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, Journal Indexed in SSCI, April 2018  
ENERGY, SCI Journal, March 2018  
ENERGY, SCI Journal, February 2018  
ENERGY ECONOMICS, Journal Indexed in SSCI, January 2018  
ENERGY, SCI Journal, January 2018  
ENERGY, SCI Journal, August 2017  
ENERGY, SCI Journal, April 2017  
APPLIED ENERGY, SCI Journal, April 2017  
RESOURCES POLICY, Journal Indexed in SSCI, March 2017  
EMPIRICAL ECONOMICS, Journal Indexed in SSCI, February 2017  
ENERGY ECONOMICS, Journal Indexed in SSCI, January 2017  
RESOURCES POLICY, Journal Indexed in SSCI, September 2016  
EASTERN EUROPEAN ECONOMICS, Journal Indexed in SSCI, September 2016

## **Scientific Consultations**

Adana Industrial Park (AOSB), Scientific Consultancy, Dokuz Eylul University, İşletme Fakültesi, İngilizce İktisat Bölümü, Turkey, 2021 - 2022

## **Metrics**

Publication: 33  
Citation (WoS): 248  
Citation (Scopus): 145  
H-Index (WoS): 7  
H-Index (Scopus): 5

## **Congress and Symposium Activities**

COST Action CA22110 LIAISE Second General Meeting , Working Group, Alacant, Spain, 2024  
Avrupa Yeşil Mutabakatı Çerçevesinde Adana Hacı Sabancı Organize Sanayi Bölgesi'nin Eko-Endüstriyel Parka Dönüştürülmesi Amacıyla Döngüsel Ekonomi ve Endüstriyel Simbiyozun Geliştirilmesi, Panelists, Adana, Turkey, 2023  
On İkinci Kalkınma Planı Özel İhtisas Komisyonu ve Çalışma Grubu Toplantısı, Working Group, İstanbul, Turkey, 2022

## **Invited Talks**

HERE - Social Economy Proximity Erasmus+ TNP Meeting, Seminar, CON VALORES ASSOCIATION, Spain, November 2022  
Energy Efficient Fiscal Policies, Seminar, University of Ljubljana , Slovenia, May 2022

## **Representation and Promotion Activities**

Institutional Representation, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı Mesleki Yeterlilik Kurumu , Turkey, Ankara, 2023 - 2023

Institutional Representation, ÜSİMP , Turkey, Ankara, 2023 - 2023

Institutional Representation, TÜBİTAK, Turkey, İstanbul, 2023 - 2023

Institutional Representation, TÜBİTAK, Turkey, Ankara, 2023 - 2023

Institutional Representation, T3 Vakfı, Turkey, Ankara, 2023 - 2023

Institutional Representation, TÜBİTAK, Turkey, Ankara, 2023 - 2023

Institutional Representation, TÜBİTAK, Turkey, Ankara, 2023 - 2023

Institutional Representation, Teknofest, Turkey, Ankara, 2023 - 2023

Institutional Representation, Teknofest , Turkey, Ankara, 2022 - 2022

Institutional Representation, Teknofest, Turkey, İstanbul, 2022 - 2022

Institutional Representation, TURKPATENT, Turkey, Samsun, 2022 - 2022

## **Non Academic Experience**

Organized industrial Zone, Adana Hacı Sabancı Organize Sanayi Bölgesi, Proje Destek Ofisi

Institute of Energy Economics (EWI), University of Cologne