

## Prof. GÜL İPEK TUNÇ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, Turkey 1991 - 1997

Postgraduate, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, Turkey 1987 - 1988

Undergraduate, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, Turkey 1982 - 1986

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, A Financial computable general equilibrium model for Turkey: Policy analysis with 1990 data, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 1997

Postgraduate, The Wealth Effect of Private Consumption Behaviour: The Turkish Case, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 1988

### Research Areas

Social Sciences and Humanities, Economics

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 2016 - Continues

Lecturer, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 1992 - 2016

Research Assistant, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, 1986 - 1992

## Advising Theses

Tunç G. İ., Essays on trend inflation in the open-economy, Doctorate, Y.ÖMÜR(Student), 2020

Tunç G. İ., Postgraduate, S.ÖZTÜRK(Student), 2019

TUNÇ G. İ., IMPROVING ECONOMY BY EDUCATION AND HUMAN CAPITAL: THE IMPACT OF SCIENCE, TECHNOLOGY, RESEARCH AND DEVELOPMENT, Postgraduate, E.ALTUN(Student), 2019

Tunç G. İ., European integration: An assessment in terms of economic policies since the Euro area crisis, Postgraduate, O.CANGİR(Student), 2019

TUNÇ G. İ., Drivers of Carbon Prices in the European Union Emission Trading Scheme, Postgraduate, A.ULUDAĞ(Student), 2019

TUNÇ G. İ., Determinants of non-core liabilities in the Turkish banking system, Postgraduate, B.DEMİRÖLMEZ(Student), 2017

AKBOSTANCI ÖZKAZANÇ E., TUNÇ G. İ., Supporting renewable energy: The role of incentive mechanisms, Postgraduate, F.KÖROĞLU(Student), 2013

Tunç G. İ., Akbostancı Özkazanç E., Financial dollarization in the Turkish economy: "the portfolio view", Postgraduate, T.Serdaroğlu(Student), 2011

TUNÇ G. İ., A comparative analysis of the EU and Turkey: Macroeconomic convergence and trade similarity, Postgraduate, A.AKCA(Student), 2010

## Designed Lessons

Tunç G. İ., Input-Output Analysis and Economic Modelling, Undergraduate, 1999 - 2000

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

- I. **Virtual water flows of Turkey's agricultural products: A gravity approach**  
AKBOSTANCI ÖZKAZANÇ E., TUNÇ G. İ., AŞIK S.  
Journal of Cleaner Production, vol.420, 2023 (SCI-Expanded)
- II. **Ecological unequal exchange between Turkey and the European Union: An assessment from value added perspective**  
TUNÇ G. İ., AKBOSTANCI ÖZKAZANÇ E., AŞIK S.  
Ecological Economics, vol.192, 2022 (SCI-Expanded)
- III. **The Macroeconomic Effects of Positive Trend Inflation in a Small Open Economy**  
Yılmaz Y. Ö., TUNÇ G. İ.  
Applied Economics, vol.54, no.3, pp.234-248, 2022 (SSCI)
- IV. **Drivers of fuel based carbon dioxide emissions: The case of Turkey**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
Renewable and Sustainable Energy Reviews, vol.81, pp.2599-2608, 2018 (SCI-Expanded)
- V. **CO2 emissions of Turkish manufacturing industry: A decomposition analysis**  
AKBOSTANCI ÖZKAZANÇ E., TUNÇ G. İ., Turut-Asik S.  
APPLIED ENERGY, vol.88, no.6, pp.2273-2278, 2011 (SCI-Expanded)
- VI. **A decomposition analysis of CO2 emissions from energy use: Turkish case**  
TUNÇ G. İ., Turut-Asik S., AKBOSTANCI ÖZKAZANÇ E.  
ENERGY POLICY, vol.37, no.11, pp.4689-4699, 2009 (SCI-Expanded)
- VII. **The relationship between income and environment in Turkey: Is there an environmental Kuznets**

curve?

Akbostancı Özkazanç E., Turut-Asik S., Tunç G. İ.  
ENERGY POLICY, vol.37, no.3, pp.861-867, 2009 (SCI-Expanded)

VIII. **Environmental impact of customs union agreement with EU on Turkey's trade in manufacturing industry**

AKBOSTANCI ÖZKAZANÇ E., TUNÇ G. İ., Turut-Asik S.  
APPLIED ECONOMICS, vol.40, no.17, pp.2295-2304, 2008 (SSCI)

IX. **Pollution haven hypothesis and the role of dirty industries in Turkey's exports**

Akbostancı E., Tunc G. İ., Turut-Asik S.  
ENVIRONMENT AND DEVELOPMENT ECONOMICS, vol.12, pp.297-322, 2007 (SSCI)

X. **CO2 emissions vs. CO2 responsibility: An input-output approach for the Turkish economy**

Tunc G. I., Turut-Asik S., Akbostancı E.  
ENERGY POLICY, vol.35, no.2, pp.855-868, 2007 (SCI-Expanded)

XI. **Tunç G. İ.**

ECONOMIC ANALYSIS AND POLICY, vol.31, no.2, pp.139-159, 2001 (SSCI)

## Articles Published in Other Journals

I. **Market efficiency in non-renewable resource markets: evidence from stationarity tests with structural changes**

Kara A., Yıldırım Kasap D., Tunc G. I.  
MINERAL ECONOMICS, vol.36, no.2, pp.279-290, 2023 (ESCI)

II. **The Role of Taxation in the European Union Sovereign Debt Crisis**

Öztürk S., Tunç G. İ.  
Ekonomik Yaklaşım, vol.32, no.119, pp.143-174, 2021 (Peer-Reviewed Journal)

III. **The European Union Emission Trading Scheme and Its Drivers**

Uludağ A., Tunç G. İ.  
Ekonomik Yaklaşım, vol.31, no.116, pp.35-67, 2020 (Peer-Reviewed Journal)

IV. **Türkiye ekonomisinde üretim ve istihdamın sektörel gelişimi: Bir girdi-çıkıtı analizi**

Tunç G. İ.  
ODTÜ Gelişme Dergisi, vol.40, pp.373-393, 2013 (Peer-Reviewed Journal)

V. **Türkiye İmalat Sanayiinde Enerji Kullanımı ve Kirlilik**

AŞIK S., TUNÇ G. İ., AKBOSTANCI ÖZKAZANÇ E.  
İktisat İşletme ve Finans, vol.23, pp.5-16, 2008 (Peer-Reviewed Journal)

VI. **İmalat Sanayi ve Kirlilik Bir Kirli Endüstri Sığınağı Olarak Türkiye**

AKBOSTANCI ÖZKAZANÇ E., TUNÇ G. İ., AŞIK S.  
Ankara Üniversitesi SBF Dergisi, vol.60, pp.3-28, 2005 (Peer-Reviewed Journal)

VII. **1990 Türkiye Mali Sosyal Hesaplar Matrisi: Bir Deneme**

Tunç G. İ.  
ODTÜ Gelişme Dergisi, vol.26, no.34, pp.493-509, 1999 (Peer-Reviewed Journal)

VIII. **A Financial Computable General Equilibrium Model for Turkey: Policy Analysis with 1990 Data**

Tunç G. İ.  
ODTÜ Gelişme Dergisi, vol.25, no.1, pp.173-213, 1998 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Türkiye Ekonomisinde Yapısal Değişim: Bir Girdi-Çıkıtı Analizi**

Tunç G. İ.  
in: Kapitalizm ve Türkiye I: Kapitalizm, Tarih ve Ekonomi , Fuat Ercan,Yüksel Akkaya, Editor, Dipnot Yayınları,

## Refereed Congress / Symposium Publications in Proceedings

- I. **"The Weak-Form Efficiency Of Metal Markets Using Stationarity Tests", ICOAEF'19, Girne, Kıbrıs (KKTC), 8 - 10 Nisan 2019.**  
Kara A., Yıldırım Kasap D., Tunç G. İ.  
V. International Conference on Applied Economics and Finance, Girne, Cyprus (Kktc), 8 - 10 April 2019
- II. **CO2 Content of Value added in Trade: Turkish Case**  
Aşık S., Tunç G. İ., Akbostancı Özkazanç E.  
12th Conference of the European society for Ecological Economics (ESEE 2017): Ecological Economics in Action: Building a Reflective and Inclusive Community, Budapest, Hungary, 20 - 23 June 2017
- III. **Dış Ticarete Katma Değerin Karbon Dioksit İçeriği**  
Tunç G. İ., Aşık S., Akbostancı Özkazanç E.  
EconAnadolu 2017 Anadolu International Conference in Economics, Eskişehir, Turkey, 11 - 13 May 2017
- IV. **A Gravity Model of Virtual Water Flows The Case of Turkey**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EY International Congress on Economics II, Ankara, Turkey, 5 - 06 November 2015
- V. **Water Embedded in Turkey s Agricultural Trade Flows**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
European Association of Evolutionary Political Economy, 27th Annual Conference, Genoa, Italy, 17 - 19 September 2015
- VI. **Water Embedded in Turkey's Agriculture Trade Flows**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EconAnadolu 2015 Anadolu International Conference in Economics , Eskişehir, Turkey, 10 - 12 June 2015
- VII. **Türkiye İçin Yakıt Kaynaklı CO2 Emisyonunun Ayrıştırılması**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EconHarran'14 Ulusal Ekonomi Kongresi, Şanlıurfa, Turkey, 23 - 24 October 2014
- VIII. **Yenilenebilir Enerjinin Desteklenmesi: Teşvik Mekanizmalarının Rolü**  
Köroğlu Aydın F., Akbostancı Özkazanç E., Tunç G. İ.  
EconHarran'14 Ulusal Ekonomi Kongresi, Şanlıurfa, Turkey, 23 - 24 October 2014
- IX. **Supporting Renewable Energy: Incentive Mechanisms**  
Köroğlu Aydın F., Akbostancı Özkazanç E., Tunç G. İ.  
EconWorld 2014@Prague International Conference on Economics, Praha, Czech Republic, 3 - 05 September 2014
- X. **Decomposition of Fuel Based CO2 Emissions for Turkey**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EconWorld 2014@Prague International Conference on Economics, , Praha, Czech Republic, 3 - 05 September 2014
- XI. **Neoliberal Industrialization and Environmental Policies in Turkey: Post 1980's**  
Aşık S., Tunç G. İ., Akbostancı Özkazanç E.  
25th Annual European Association for Evolutionary Political Economy (EAEPE) Conference: Beyond (de)industrialization: The Future of Industries?, Paris, France, 7 - 09 November 2013
- XII. **Pollution and International Trade: Evaluation of the Turkish Case Through Input-Output Analysis**  
Aşık S., Akbostancı Özkazanç E., Tunç G. İ.  
EY International Congress on Economics I, Ankara, Turkey, 24 - 25 October 2013
- XIII. **Convergence of Environmental Variables: The Case of EU**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EconAnadolu 2013 Anadolu International Conference in Economics, Eskişehir, Turkey, 19 - 21 June 2013
- XIV. **Do Environmental Policies Induce Emission Convergence in Europe?**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
24th Annual Conference of the European Association for Evolutionary Political Economy: Economic Policy in Times

of Crisis, Krakow, Poland, 18 - 21 November 2012

- XV. **Mass Tourism and Water Consumption: Case of Turkey**  
Tunç G. İ., Aşık S., Akbostancı Özkazanç E.  
International Society for Ecological Economics Conference, 2012 - Ecological Economics and Rio+20, Rio De Janeiro, Brazil, 16 - 19 June 2012
- XVI. **Turizmin İzleri**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
12. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 14 - 16 December 2011
- XVII. **Financial Dollarization in the Turkish Economy**  
Serdaroğlu T., Akbostancı Özkazanç E., Tunç G. İ.  
EconAnadolu 2011 Anadolu International Conference in Economics, Eskişehir, Turkey, 15 - 17 June 2011
- XVIII. **Sustainable Tourism and Ecological Footprint Accounting: The Case of Turkey**  
Tunç G. İ., Akbostancı Özkazanç E., Aşık S.  
International Society for Ecological Economics Conference, Bremen, Germany, 22 - 25 August 2010
- XIX. **Role of Environment in Bilateral Trade Flows: A Gravity Model for Turkey**  
Akbostancı Özkazanç E., Aşık S., Tunç G. İ.  
Society for the Study of Emerging Markets Euro Conference , Muğla, Turkey, 16 - 18 July 2010
- XX. **Türkiye'nin Enerji Kullanımı Üzerine Bir Değerlendirme**  
Aşık S., Tunç G. İ., Akbostancı Özkazanç E.  
11. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 9 - 11 December 2009
- XXI. **An Environmental Analysis of Turkish Foreign Trade by Using Pollution Terms of Trade Index**  
Tunç G. İ., Aşık S., Akbostancı Özkazanç E.  
European Association of Evolutionary Political Economy "Institutional Solutions for Economic Recovery, Amsterdam, Netherlands, 6 - 08 November 2009
- XXII. **Türkiye'nin Enerji Talebini Belirleyen Etkenler**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
Türkiye 11. Enerji Kongresi, İzmir, Turkey, 21 - 23 October 2009
- XXIII. **Investigating Final Energy Linkages for a Sustainable Economy: An Input-Output Analysis for Turkey**  
Tunç G. İ., Akbostancı Özkazanç E., Aşık S.  
8th International Conference of the European Society for Ecological Economics, Ljubljana, Slovenia, 29 June - 02 July 2009
- XXIV. **Bilateral Trade and Environment: A Gravity Model for Turkey**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.  
EconAnadolu 2009 Anadolu International Conference in Economics , Eskişehir, Turkey, 17 - 19 June 2009
- XXV. **Is Energy Consumption of Turkish Economy Sustainable? A Decomposition Analysis of CO2 Emissions**  
Tunç G. İ., Aşık S., Akbostancı Özkazanç E.  
European Association of Evolutionary Political Economy "Labour, Institutions and Growth in a Global Knowledge Economy, Rome, Italy, 6 - 08 November 2008
- XXVI. **CO2 Emissions, Energy Use and Sustainability in Turkish Economy**  
Tunç G. İ., Aşık S., Akbostancı Özkazanç E.  
The 10th Biennial International Society for Ecological Economics Conference, Nairobi, Kenya, 7 - 11 August 2008
- XXVII. **CO2 Emissions of Turkish Manufacturing Industry: A Decomposition Analysis**  
Akbostancı Özkazanç E., Aşık S., Tunç G. İ.  
15th World Congress of the International Economic Association, İstanbul, Turkey, 25 - 29 June 2008
- XXVIII. **Effects of International Trade on Environment: An Input-Output Analysis**  
Tunç G. İ., Akbostancı Özkazanç E., Aşık S.  
16th International Input-Output Conference, İstanbul, Turkey, 2 - 06 July 2007
- XXIX. **Decomposition Analysis for Energy Use in Turkish Manufacturing Industry with an Emphasis on Dirty Industries**  
Akbostancı Özkazanç E., Tunç G. İ., Aşık S.

Cairo 10th International Conference on Energy and Environment, Cairo, Egypt, 11 - 15 March 2007

- XXX. **Testing Environmental Kuznets Curve Hypothesis for the European Union**  
Akboştañcı Özkazañç E., Tuñç G. İ., Aşık S.  
The Ninth Biennial Conference of The International Society for Ecological Economics "Ecological Sustainability and Human Well-being, New Delhi, India, 15 - 18 December 2006
- XXXI. **Can We Reconcile the Concept of Sustainable Development with Gold Mining?**  
Aşık S., Tuñç G. İ., Akboştañcı Özkazañç E.  
The Ninth Biennial Conference of The International Society for Ecological Economics "Ecological Sustainability and Human Well-being, New Delhi, India, 15 - 18 December 2006
- XXXII. **Türkiye İmalat Sanayiinde Enerji Kullanımı ve Kirlilik**  
Aşık S., Tuñç G. İ., Akboştañcı Özkazañç E.  
Türkiye 10. Enerji Kongresi, İstanbul, Turkey, 27 - 30 November 2006
- XXXIII. **Türkiye Ekonomisinin Nihai Enerji Tüketimindeki Anahtar Sektörler: Bir Girdi-Çıktı Yaklaşımı**  
Tuñç G. İ., Akboştañcı Özkazañç E., Aşık S.  
Türkiye Ekonomi Kurumu Uluslararası Ekonomi Konferansı, Ankara, Turkey, 11 - 13 September 2006
- XXXIV. **The Relationship Between Income and Environment in Turkey: Is There an Environmental Kuznets Curve?**  
Akboştañcı Özkazañç E., Tuñç G. İ., Aşık S.  
Türkiye Ekonomi Kurumu Uluslararası Ekonomi Konferansı, Ankara, Turkey, 11 - 13 September 2006
- XXXV. **Türkiye Ekonomisi için Çevresel Kuznets Eğrisi**  
Akboştañcı Özkazañç E., Aşık S., Tuñç G. İ.  
9. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 7 - 09 December 2005
- XXXVI. **1985-1998 Yılları Arasında İstihdamın Sektörel Gelişimi: Bir Girdi- Çıktı Analizi**  
Tuñç G. İ.  
9. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 7 - 09 December 2005
- XXXVII. **CO<sub>2</sub>, Production and International Trade: An Input-Output Approach for Turkey**  
Tuñç G. İ., Akboştañcı Özkazañç E., Aşık S.  
VII. Ulusal Ekonometri ve İstatistik Sempozyumu, İstanbul, Turkey, 26 - 27 May 2005
- XXXVIII. **İmalat Sanayi ve Kirlilik: Bir Kirli Endüstri Sığınağı Olarak Türkiye**  
Akboştañcı Özkazañç E., Tuñç G. İ., Aşık S.  
8. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 3 - 05 December 2003
- XXXIX. **Structural Change in the Turkish Economy: An Input-Output Analysis**  
Tuñç G. İ.  
8. Ulusal Sosyal Bilimler Kongresi, Ankara, Turkey, 3 - 05 December 2003
- XL. **An Input Output Analysis of Structural Change in the Turkish Economy**  
Tuñç G. İ.  
ERC METU International Conference in Economics, Ankara, Turkey, 6 - 09 September 2003
- XLI. **A Test of Pollution Haven Hypothesis: Case of Turkey**  
Akboştañcı Özkazañç E., Tuñç G. İ., Aşık S.  
ERC METU International Conference in Economics, Ankara, Turkey, 6 - 09 September 2003
- XLII. **Twin Deficit Hypothesis: The Turkish Case**  
Akboştañcı Özkazañç E., Tuñç G. İ.  
ERC METU International Conference in Economics, Ankara, Turkey, 13 - 16 September 2000
- XLIII. **The Transfer Problem of Turkey: A Financial Computable General Equilibrium Analysis**  
Tuñç G. İ.  
Second Annual Conference on Global Economic Analysis GTAP, Kobenhavn, Denmark, 20 - 22 June 1999, pp.1-20
- XLIV. **A financial computable general equilibrium model for Turkey: Policy analysis with 1990 data**  
Tuñç G. İ.  
ERC METU International Conference in Economics, Ankara, Turkey, 18 - 20 September 1997

## Supported Projects

TUNÇ G. İ., AŞIK S., AKBOSTANCI ÖZKAZANÇ E., Project Supported by Higher Education Institutions, Türkiye'nin Dış Ticarete Katma Değerinin Karbon Dioksit İçeriği, 2017 - 2021

TUNÇ G. İ., Project Supported by Higher Education Institutions, Sürdürülebilir Turizm Ve Ekolojik İz Analizi : Türkiye'nin Turizm Sektörünün Çevresel Değerlendirilmesi., 2010 - 2010

Tunç G. İ., Akbostancı Özkazanç E., Aşık S., Project Supported by Higher Education Institutions, Türkiye'nin Dış Ticaretini Etkileyen Çevresel Faktörlerin İki Taraflı Çekim Modeli Çerçevesinde Değerlendirilmesi, 2008 - 2008

Tunç G. İ., Akbostancı Özkazanç E., Aşık S., Project Supported by Higher Education Institutions, Kirlilik Önleme Harcamalarının imalat Sanayiindeki Önemi: Karşılaştırmalı Bir Analiz, 2005 - 2005

Tunç G. İ., Akbostancı Özkazanç E., Project Supported by Higher Education Institutions, İkiz Açık Hipotezi: Cari İşlemler ve Bütçe Açıkları: Türkiye Örneği , 2000 - 2003

Tunç G. İ., Project Supported by Higher Education Institutions, Türkiye İçin 1985-1992 Fon Akımlar Matrisi Çıkarımı, 1993 - 1994

## Activities in Scientific Journals

Sustainable Development and Engineering Economics , Publication Committee Member, 2020 - Continues

## Scientific Refereeing

SOSYOEKONOMİ, National Scientific Refreed Journal, July 2019

The International Journal of Economic and Social Research, National Scientific Refreed Journal, May 2019

## Metrics

Publication: 64

Citation (WoS): 1042

Citation (Scopus): 1131

H-Index (WoS): 7

H-Index (Scopus): 6

## Non Academic Experience

METU