

## BURCU AFYONOĞLU FAZLIOĞLU

TOBB University of Economics and Technology,  
Department of International Entrepreneurship  
06700, Söğütözü, Ankara, Turkey

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### EDUCATION

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<b>Bilkent University</b>	<b>2006-2012</b>
PhD in Economics, Dissertation Topic: “Four Essays on Overlapping Generations Resource Economies: Optimality, Sustainability and Dynamics”	
<b>Bilkent University</b>	<b>2003-2006</b>
M.A. in Economics, Thesis Title: “Financial Development and Productivity: A Panel Data Approach”	
<b>Middle East Technical University (METU)</b>	
B.S. in Mathematics	<b>1998- 2003</b>
Minor Program in Economic Theory	<b>2000- 2003</b>

### RESEARCH INTERESTS

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Applied Microeconomics, Microeconometrics, Industrial Economics, International Economics.

### ACADEMIC POSITIONS

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Professor ,	<b>TOBB University of Economics and Technology, 2023- present</b>
Associate Professor ,	<b>TOBB University of Economics and Technology, 2017- 2023</b>
Visiting Associate Professor,	<b>The George Washington University, 2019-2020</b>
Assistant Professor,	<b>TOBB University of Economics and Technology, 2012-2017</b>
Assistant Instructor,	<b>İhsan Doğramacı Bilkent University, 2008-2012</b>
Teaching assistant,	<b>İhsan Doğramacı Bilkent University , 2003-2011</b>

### TEACHING ACTIVITY

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**Primary:** Applied Statistics, Artificial Intelligence and Machine Learning: Business Applications, Applied Economic Analysis, Data Science, Analytics and Presentation.

**Secondary:** Microeconometrics, Introduction to Economics.

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## WORK EXPERIENCE

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Research Analyst, **Economic Policy Research Foundation of Turkey (TEPAV), 2009-2011**  
Research Associate, **Economic Policy Research Foundation of Turkey (TEPAV), 2005-2009**

## PUBLICATIONS

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### Articles

- Dalgıç, B., Fazlıoğlu, B., & Güven, A. (2023). Innovation, employment and market structure: firm level evidence from Turkey. *Empirical Economics*, 65(3), 1385-1407.
- Zengin Taşdemir, S., Dalgıç, B., & Fazlıoğlu, B. (2023). The Impact of Exports on Firm Employment in Türkiye. *Sosyoekonomi*, 31(57), 47-63. <https://doi.org/10.17233/sosyoekonomi.2023.03.03>
- Dikilitas, B., Fazlıoğlu, B., & Dalgic, B. (2022). The impact of exporting on women's employment. *International Journal of Manpower*, 43 (4), 926-949.
- Dalgıç, B., & Fazlıoğlu, B. (2021). Innovation and firm growth: Turkish manufacturing and services SMEs. *Eurasian Business Review*, 11(3), 395-419.
- Dalgıç, B., Fazlıoğlu, B., & Gasiorek, M. (2021). Does it matter where you export and does productivity rise with exporting?. *The Journal of International Trade & Economic Development*, 30(5), 766-791.
- Ozsoy, S., Fazlıoğlu, B., & Esen, S. (2021). Do FDI and Patents Drive Sophistication of Exports? A Panel Data Approach. *Prague Economic Papers*, 30(2), 216-244.
- Dalgıç, B., & Fazlıoğlu, B. (2020). The impact of broadband speed on productivity: findings from Turkish firms. *Applied Economics Letters*, 27(21), 1764-1767.
- Fazlıoğlu, B. A., Pérez-Barahona, A., & Sağlam, Ç. (2019). "Energy and Physical Capital: A Case of Non-classical Dynamics." *Environmental and Resource Economics*, 72(4), 1003-1022.
- Fazlıoğlu, B., Dalgıç, B., & Yereci, A. B. (2019). The effect of innovation on productivity: evidence from Turkish manufacturing firms. *Industry and Innovation*, 26(4), 439-460.
- Fazlıoğlu B., Sağlam Ç., & Yüksel, M. K. (2016). "Hopf Bifurcation in an Overlapping Generations Resource Economy with Endogenous Population Growth Rate" *Studies in Nonlinear Dynamics & Econometrics*, 20 (5), 607-621.
- Dalgic, B., Fazlıoğlu, B. and Gasiorek, M. (2015). Costs of Trade and Self-selection into Exporting and Importing: The Case of Turkish Manufacturing Firms. *Economics: The Open-Access, Open-Assessment E-Journal*, 9 (2015-15): 1—28.
- Dalgıç, B., Fazlıoğlu, B. and Karaoğlu, HD. (2015). Entry to Foreign Markets and Productivity: Evidence from a Matched Sample of Turkish Manufacturing Firms, *Journal of International Trade & Economic Development: An International and Comparative Review*, 24 (5), 638—659.
- Fazlıoğlu B., Sağlam Ç. (2012). Energy Saving Technological Progress in Overlapping Generations Economies with Renewable and Non-Renewable Resources, *İktisat İşletme ve Finans*, 27(318), 27-56.
- Balıkçioğlu, E., Dalgıç, B. and Fazlıoğlu, B. (2016). "Does Foreign Capital Increase Tax Revenue: The Turkish Case", *International Journal of Economics and Financial Issues*, 6(2), 1-6.

Balıkçıoğlu, E., Dalgıç, B. and Fazlıoğlu, B. (2016). “Türkiye’de Orta Gelirden Düşük Gelir ve Yüksek Gelire Geçişin Belirleyicileri”, *Yönetim ve Ekonomi Araştırmaları Dergisi*, forthcoming.

Dalgıç, B. and Fazlıoğlu, B. (2015). Dış Ticarete Ürün/Ülke Çeşitliliği ve Firma Performansı: Türkiye Örneği, *Sosyoekonomi*, Vol. 23(26), 7-23.

Dalgıç, B. and Fazlıoğlu, B. (2015). “Foreign Affiliated Firms and Employment: Evidence From Turkey”, *Yönetim ve Ekonomi Araştırmaları Dergisi*, 13(2), 365-374.

### **Book Chapters**

Dalgic, B., Fazlıoğlu, B., (2018) “Catching-up with the Technology Frontier: Micro-Level Evidence on Innovation and Growth Dynamics”. Arzu Akkoyunlu-Wigley, Şeşim Çağatay (Ed.) Evaluating the Dynamics and Impacts of Economic Growth in Turkey, Routledge, ISBN: 978-1-138-349-26.

Dalgic, B. and Fazlıoğlu, B. (2017). “The Role of Multinationals in Creating Export Spillovers as an Additional Process to Productivity Spillovers: Evidence from Turkey”. Ferreira, J.J., Dana L. and Ratten V. (Ed.) Knowledge Spillover-Based Strategic Entrepreneurship. London, United Kingdom: Taylor & Francis Ltd. ISBN: 978-1-138-95074-0.

### **Other Publications / Reports**

Güven S., Afyonoğlu, B., ve Vural, B., “Technical Assistance on Developing Models for Fiscal Policy Analysis : A Dynamic General Equilibrium Model for Turkey”, Economic Policy Research Foundation of Turkey (TEPAV), Report, 2010.

Güven S., Afyonoğlu, B., Arslanhan, S., Kalkan S. ve Vural, B., “Economic Assessment of the REACH Regulation on the Chemicals Industry of Turkey”, Economic Policy Research Foundation of Turkey (TEPAV), Report, 2009.

Güven S., Kalkan S., Afyonoğlu, B., ve Vural, B., Sivil Toplum Diyaloğu Avrupa Bilgi Köprüleri Programı AB Müktesebatına Uyum Sürecinde Etki Analizi Kapasitesini Güçlendirerek, Çevre Başlığında Uygulama ve Farkındalık Yaratma Projesi Pilot Etki Analizi Çalışması Termik Santrallerde AB Büyük Yakma Tesisleri Direktifi’ne Uyum, Economic Policy Research Foundation of Turkey (TEPAV), Report, 2008.

Investment Climate Assessment Report (Volume I ve Volume II), Economic Policy Research Foundation of Turkey (TEPAV) and World Bank, Report, 2007.

Dokuzuncu Kalkınma Planı (2007-2013) Sanayi Politikaları Özel İhtisas Komisyonu Raporu, State Planning Organization (DPT), Report, 2007.

Türkiye’nin Rekabet Gücü için Sanayi Politikası Çerçevesi, Economic Policy Research Foundation of Turkey (TEPAV) and State Planning Organization (DPT), Report, 2008.

Organize Sanayi Bölgeleri ve Kamusal Yetkiler: Faydalar ve Sorunlar Nelerdir?, Ekonomi Politikaları Araştırma Enstitüsü Sanayi Politikaları Çalışma Grubu, Economic Policy Research Foundation of Turkey (TEPAV), Evaluation Note, 2006.

Özlale, Ü. ve Afyonoğlu, B.. “İhracat fiyatlarının artması pazar payını nasıl etkiler?”, Economic Policy Research Foundation of Turkey (TEPAV), Evaluation Note, 2011.

Güven S., Afyonoğlu, B., Arslanhan, S., Kalkan S. ve Vural, B., “REACH Tüzüğü 2013’te Uyumlaştırılmalı Mı?” Economic Policy Research Foundation of Turkey (TEPAV), Evaluation Note, 2011.

Afyonoğlu, B. “2008 Krizinden Bugüne: Büyük Şirketler Hala Temkinli”. Economic Policy Research Foundation of Turkey (TEPAV), Evaluation Note, 2010.

Afyonoğlu, B. ve Dinççay A. “2008 Krizi: Sektörlerdeki Asimetrik Toparlanma” Economic Policy Research Foundation of Turkey (TEPAV), Policy Note, 2010.

Acar, O., Afyonoğlu, B. ve Sak, G. “Büyüyen Sektörlerin Artan İthalatı ve Cari Açığa İlişkin Gelişmeler”, Economic Policy Research Foundation of Turkey (TEPAV), Policy Note, 2006.

Afyonoğlu, B. ve Deliveli, E. “Kur Gerçekten Değerli mi? Kritik Bir Bakış Açısı” Economic Policy Research Foundation of Turkey (TEPAV), Policy Note, 2006.

## **PROJECTS:**

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Researcher, “*The Effect of Digitalization on Green Complexity: Firm, Province and Country Level Studies*”, TÜBİTAK 1001 Grant, 2023-2025.

Researcher, “*The Impact of COVID-19 on Qatar's Development and Humanitarian Aid*”, Qatar National Research Fund (QNRF), QNRF Grant RRC02-0808-210024.

Researcher, “*European Learning Experience Platform Project, EULEP*”, EU Commission, 2022-2026.

Consultant, “*Türkiye’de KOBİ’lerin Dijitalleşme Eğilimleri*”, Vodafone Telekomünikasyon AŞ-Policy Analysis Laboratory (PAL), September 2021- April 2022.

Consultant, “*TR41 Bölgesi Yenilik ve Akıllı Uzmanlaşma Stratejisinin Oluşturulması Projesi*”, T.C. Bursa Eskişehir Bilecik Kalkınma Ajansı, Politika Analiz Laboratuvarı (PAL), November 2019-April 2020.

Consultant, “*The Macroeconomic Impacts of Broadband Adoption in Turkey*”, Vodafone Telekomünikasyon AŞ-Policy Analysis Laboratory (PAL), February 2018-September 2018.

Researcher, “*Türkiye Sağlık Hesapları Sisteminin OECD 2011 Sistemine Uyumlaştırılması Projesi*”, Acıbadem Mehmet Ali Aydınlar Üniversitesi Sağlık Politikaları Uygulama ve Araştırma Merkezi , TÜBİTAK-TÜSSİDE, Sağlık Araştırmaları Genel Müdürlüğü, May 2017- February 2018.

Researcher, “*Türkiye İmalat Sanayinde Firma Heterojenliği ve Dış Ticaret*” No:113K378, TÜBİTAK 1001 Grant, October 2013-October 2015.

Researcher, “*Foreign Trade Strategy Design Project*”, Undersecretaries of the Prime Ministry for Foreign Trade, TOBB and TEPAV, April 2011-May 2011.

Researcher, “*Development of an Overall Framework for Modeling Regional Competitiveness Agendas, and Support to Deployment and Utilization of the Framework for Piloting*”, UNDP and TEPAV, April 2011- December 2011.

Researcher, “*Enabling Activities for the Preparation of Turkey’s Second National Communication to the UNFCCC*”, UNDP and TEPAV, May 2011- December 2011.

Researcher, “*Strengthening Pre-School Education*”, UNICEF and TEPAV, August 2011- May 2012.

Researcher, “*Development of Models for the Evaluation of Public Finance Policies*”, TÜBİTAK No:106G133 KAMAG Grant, T.C Ministry of Finance, Division of Strategy Development and TOBB University of Economics and Technology, February 2008- September 2011.

Researcher, “*Economic Assessment of the REACH Regulation of EU Legislation on the Chemicals Industry of Turkey*”, TEPAV, Middle East Technical University (METU), Economic Development Foundation, University of Hull, Kaunas University, July 2008 - December 2009.

Research Assistant, “*The Effect of International Trade on Technical Advancement*”, TÜBİTAK 1001 Grant, 2008-2009.

Researcher, “*Industrial Policy Strategy Design and Capacity Building Project*”, Ministry of Industry and Trade and TOBB, March 2008-March 2009.

Researcher, “*Multi-Agency Co-operation and Training for Awareness Raising on The Lisbon Agenda: Phase 1-2*”, TEPAV and British Foreign Ministry, 2007–2008.

Researcher, “*Competitiveness, Competition Policy and Investment Climate*” TOBB, Competition Authority and FIAS, 2006-2007.

Researcher, “*Investment Climate Assessment for Turkey*”, World Bank, TOBB and TEPAV, June 2006-June 2007.

## **CONFERENCE / SEMINAR PRESENTATIONS**

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Yardımcı, E.B. Dalgıç, B., Fazlıoğlu, B. “The Effect of R&D Volatility on Firm Growth in the Context of Proactive R&D Management”, 7th International Conference of Socioeconomy Society, 28-29 October 2022, Berlin, Germany.

Yaşar, P., Dalgıç, B., Fazlıoğlu, B. “Green Complexity and Financial Development”, 7th International Conference of Socioeconomy Society, 28-29 October, 2022, Berlin, Germany.

Dalgıç, B., Fazlıoğlu, B., Emin A. “The Impact of Broadband Adoption on Firm Productivity: Evidence from Turkish Firms”, 35th EBES Conference, 7-9 April, 2021, Rome, Italy.

Dalgıç, B., Fazlıoğlu, B. “Productivity Impacts of Broadband Internet: Firm Level Evidence from Turkey” 5th International Conference of Socioeconomy Society, 25 October, 2018, Milan, Italy.

Dalgıç, B., Fazlıoğlu, B., Gasiorek, B. “Does it Matter Where You Export and Does Productivity Rise with Exporting?” 4th International Conference of Socioeconomy Society, 29-30 October, 2017, Vienna, Austria.

Fazlıoğlu, B.; Dalgıç, B.; Yereli, A.B. “The Effect of Innovation on Productivity: Evidence from Turkish Manufacturing Firms”, 16th MEEA International Conference, May 18-20, 2017, Ankara, Turkey.

Fazlıoğlu, Burcu, Dalgıç, Başak and Yereli, Ahmet, “The Effect of Innovation on Productivity: Evidence from Turkish Manufacturing Firms”, 2nd International Annual Meeting of Sosyoekonomi Society, Amsterdam, Netherlands, 28-29 October, 2016.

Dalgıç, B., Fazlıoğlu, B., Gasiorek, B. (2016) “Does it Matter Where You Export and Does Productivity Rise with Exporting?” Forum for Economists International 7<sup>th</sup> Global Conference, Amsterdam, Netherlands, 27-30 May, 2016.

Dalgıç, B., Fazlıoğlu, B., Gasiorek, B. “Post-entry Effects in Different Markets: Findings From Matched Turkish Exporters”, International Workshop on Firms and Globalization, Aix-en-Provence, France, 6 October, 2015.

Dalgıç, B., Fazlıoğlu, B., Gasiorek, B. “Costs of Trade and Self-selection into Exporting and Importing”, *13th Conference on Comparative Analysis of Enterprise Data*, Istanbul, Turkey, 23-25 October, 2015.

Dalgıç, B., Fazlıoğlu, B., Varol-İyidoğan, P. “Does FDI Bring Jobs to Women? The Case of Turkish Services Industry”, 17th Euroasia Business and Economics Society Conference, Venice, Italy, 15-17 October, 2015.

Dalgıç, B., Fazlıoğlu, B., Gasiorek, B. “Costs of Trade and Self-selection into Exporting and Importing” *European Trade Study Group (ETSG) Conference*, Paris, France, September 9-12, 2015.

Fazlıoğlu, B. and Dalgıç, B. “Export Spillovers from Foreign Direct Investment, Evidence from Turkey” *14th Euroasia Business and Economics Society Conference*, Barcelona, Spain, October, 23-25, 2014.

Fazlıoğlu, B. and Dalgıç, B. “Export Spillovers from Foreign Direct Investment, Evidence from Turkey” Society for the Study of Emerging Markets, *EuroConference 2014*, Budapest, Hungary, July 6-8, 2014.

Dalgıç, B. and Fazlıoğlu, B. “Firm Heterogeneity in International Trade: Evidence from Turkey” *9th Euroasia Business and Economics Society Conference*, Rome, Italy, January, 11-13, 2013.

Fazlıoğlu, B., Perez-Barahona A., Sağlam,Ç. “The Use Of Natural Resources in Capital Accumulation in an Overlapping Generations Resource Economy”, *TEA Congress*, İzmir, Turkey, 1-3 Nov, 2012.

Dalgıç, B. and Fazlıoğlu, B. “Firm Heterogeneity in International Trade: Evidence from Turkey” *European Trade Study Group 15th Annual Conference*, Birmingham, United Kingdom, September 12-14, 2014.

Fazlıoğlu, B. Nüfus Artış Hızının İçsel Olduğu Ardışık Nesiller Kaynak Ekonomilerinde Belirsizlik ve Dallanmalar, *1. Sosyal Bilimler Doktora Öğrencileri Çalıştayı*, Ankara, Turkey, 23-25 May, 2012.

Afyonoğlu, B., Sağlam,Ç. “Energy Saving Technological Progress in Overlapping Generations Economies with Renewable and Non-Renewable Resources”, *OLG Days Long-term Macroeconomics: growth and development dynamics in general equilibrium*”, (poster session), Vielsalm, Belgium, 24-27 May, 2011.

Afyonoğlu, B., Sağlam,Ç. “Energy Saving Technological Progress in Overlapping Generations Economies with Renewable and Non-Renewable Resources”, *Anadolu International Conference in Economics*, Eskişehir, Turkey, 15-17 June, 2011.

Taşkın F., Afyonoğlu, B., Özcan, G. “Financial Liberalization and Productivity Growth” *International Conference on Policy Modeling, ECOMOD Conference*, İstanbul, Turkey, 29 June-1 July, 2005.

Afyonoğlu, B., Sağlam,Ç . Yüksel, K. Indeterminacy and Bifurcations in an Overlapping Generations Resource Economy with Endogenous Population Growth Rate, *Macroeconomics Study Group*, Bilkent University, Ankara, Turkey, 2012.

Afyonoğlu, B., Sağlam,Ç . Energy Saving Technological Progress in Overlapping Generations Economies with Renewable and Non-Renewable Resources, *Macroeconomics Study Group*, Bilkent University, Ankara, Turkey, 2011.

Afyonoğlu, B., Sağlam,Ç . Evolution Of Polluting Resources And Growth Under Energy Saving Technological Progress, *Macroeconomics Study Group*, Bilkent University, Ankara, Turkey, 2010.

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## CONFERENCE / SEMINAR ORGANIZATIONS

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- **7<sup>th</sup> International Annual Meeting of Sosyoekonomi Society** (International Scientific Board), 2022.
- **International Symposium on Business & Economics**, (Science Committee), 2020.
- **6<sup>th</sup> International Annual Meeting of Sosyoekonomi Society** (International Scientific Board), 2020.
- **5<sup>th</sup> International Annual Meeting of Sosyoekonomi Society** (International Scientific Board), 2020.
- **4<sup>th</sup> International Annual Meeting of Sosyoekonomi Society** (International Scientific Board), 2020.
- **Merih Celasun Memorial Day** (responsible for the organization), TEPAV, 2011.
- **ASSET 2003 Annual Conference** (involved in organization & participated to seminars), Bilkent University, 2003.

## HONORS AND AWARDS

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- Visiting Fulbright Scholar 2019-2020
- Invited participant at 4th Lindau Meeting of Nobel Laureates in Economics 2011
- Full tuition waiver and scholarship for PHD, Bilkent University 2006 -2012  
Full tuition waiver and scholarship for Masters, Bilkent University 2003-2006

## REFEREE ACTIVITY

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İktisat İşletme ve Finans, Journal of Business, Economics and Finance, Journal of Mathematical Economics, Sosyoekonomi (Referee).

Sosyoekonomi (Editorial Board Member)

## EDITORIAL BOARD

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Sosyoekonomi Society

## CERTIFICATES

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- Intensive Program in Advanced Techniques in General Equilibrium Modeling with GAMS, Ecomod Modeling School, Bangkok, Thailand, January 2006.
- Intensive Program in Practical General Equilibrium Modeling with GAMS, Ecomod Modeling School, Brussels, Belgium, June 2005.