

Serdar SAYAN

Professor of Economics

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- ◇ **Date/Place of Birth:** 1964 / Bayramic, Turkey ◇ **Citizenship:** Turkey
- ◇ **Research Interests:** Computational economics, International economics, Development economics, Demography
- ◇ **Education**
- Ph.D., Ohio State University, Columbus, Ohio, USA. June 1992.
 - M.A., Ohio State University, Columbus, Ohio, USA. February 1988.
 - B.S. (with Honors), Middle East Technical University, Ankara, Turkey. July 1985.
- ◇ **Employment History**
- Director, Center for Social Policy Research, TOBB University of Economics and Technology, Ankara. Oct. 2010-Present.
 - Professor, Dept. of Economics, TOBB University of Economics and Technology. Aug. 2006-Present.
 - Director, Entrepreneurship Institute, Turkish Economic Policy Research Foundation (TEPAV), Ankara. 2009-Present.
 - Dean, Graduate School of Social Sciences, TOBB University of Economics and Technology. Nov. 2006-Present.
 - Vice Dean, College of Economic and Administrative Sciences, TOBB University of Economics and Technology 2006-2014.
 - Advisor, Turkish Prime Ministry, Undersecretariat for Foreign Trade, Ankara. Sept. 2006 - May 2009.
 - Associate Professor, Dept. of Economics, Bilkent University, Ankara. May 2004-July 2006.
 - Visiting Scholar, Research Dept., International Monetary Fund, Washington DC. Feb. 2005-March 2005.
 - Visiting Professor, Dept. of Ag., Env. and Development Economics, Ohio State University, Columbus. Sept. 2003-April 2004.
 - Executive Manager, Bilkent University Center for EU Affairs, Ankara. Feb. 2002-Aug. 2003.
 - Deputy Director, Graduate School for Economics and Social Sciences, Bilkent University. Feb. 2000-June 2003.
 - Vice Chair and Director of Graduate Studies, Department of Economics, Bilkent University. Oct. 1997-July 2003.
 - Assist. and Assoc. Professor, Dept. of Economics, Bilkent University. Sept. 1992- Aug. 2003.
 - Graduate Research Assoc., Dept. of Ag., Env. and Development Economics, Ohio State University, Columbus. April 1988-May1992.
 - Graduate Research Assist., Dept. of Economics, Middle East Technical University, Ankara. Sept. 1985-Aug. 1986.

Last Update: May 2014

◇ **Other Academic Duties and Positions**

- Member, *Advisory Committee, Center for Innovation and Competition Based Development Studies, Boğaziçi University*. Oct. 2011- Present.
- Member, (*Nationwide*) *Interuniversity Board*. March 2009 - Present.
- Professor Representative, Faculty Board of Economic and Administrative Sciences, TOBB University of Economics and Technology, Sept. 2007- Present.
- Member, *University Senate*. Nov. 2006 - Present.
- Member, *Academic Ethics Committee, Higher Education Council of Turkey*. 2011- 2013.
- Member, *Assoc Professorship Screening Exam Committee, Interuniversity Board*. 2009 - 2011.

◇ **Awards, Honors and Recognitions**

Awards for and Recognition of Research

- (*Lifetime*) *Research Fellow* of the Economic Research Forum, the international network of economists carrying out policy-oriented research on the issues relevant to economies of the Middle East and North Africa region, November 2002 (April 2012)-Present.
- *Mustafa Parlar Young Investigator of the Year Award*, Parlar Foundation, December 2002.

Teaching Award

- *Distinguished Teaching Award* of Bilkent University, May 1998.

Scholarship

- *Fulbright Grant* for graduate study in the US, 1986-1988.

Other Honors and Recognitions

- *International Alumni of the Year Award*, College Alumni Association, Ohio State University, 2004.
- *Service Award*, Eastern Mediterranean University, 2008.
- Inducted into *Omicron Delta Epsilon*, International Honor Society in Economics, Sept. 1991.
- Inducted into *Gamma Sigma Delta*, The Honor Society of Agriculture, February 1990.

◇ **Courses Taught**

Regular Courses

- Undergraduate: *Macroeconomics, Microeconomics, General Equilibrium Analysis, History of Economic Thought, International Economics, Mathematics for Economists*.
- Graduate: *Microeconomics, General Equilibrium Analysis, History of Economic Thought, International Economics, Selected Topics in Economics*.

Short Courses

- “Overlapping Generations General Equilibrium Modeling,” EcoMod Summer School, Free University of Brussels, Brussels (to graduate students and professionals).
- “Home Country, Host Country Recessions and Migrant Workers' Remittances,” MireKoc Summer School, Koç University, Istanbul (to graduate students).
- “General Equilibrium Analysis,” EYS Summer School, Pamukkale University, Denizli (to graduate students and academics).
- “Structure and Problems of Turkish Economy,” Central Bank of Turkey Training Center, Ankara (to professionals).
- “Open Economy Macroeconomics and Foreign Exchange Markets,” Turkish Banking Association Training Centers in Izmir and Ankara (to professionals).

◇ **Dissertation and Thesis Supervision**

Ph.D. Dissertations Supervised

- “An Investigation of the Effects of Population Dynamics on Growth and Trade in an Overlapping Generations General Equilibrium Model,” by M. Mehdi Jelassi, Department of Economics, Bilkent University, Dec. 2004.
- “A Computational Investigation of Optimal Parameters in Pension Reform,” by Arzdar Kiraci, Ph.D., Department of Economics, Bilkent University, Sept. 2000.

M.A. Theses Supervised

- “Essays in International Trade within the Static and Dynamic Heckscher-Ohlin Frameworks,” Eren Arbatlı, Department of Economics, Bilkent University, July 2006.
- “A Genetic Algorithm-Based Search for Parametric Reform Alternatives for the Turkish Pension System: 2005-2060,” Artun Alparslan, Department of Economics, Bilkent University, Aug. 2005.
- “An Intergenerational Optimization Analysis of Alternative Deficit Reduction Strategies for the Pension System in Turkey,” by B.Bariş Çiftçi, Department of Economics, Bilkent University, Sept. 2002.
- “Approximation of the Stochastic Production Frontier Using Artificial Neural Networks,” by Sergey Doun, Department of Economics, Bilkent University, Sept. 2002.
- “A Comparison of the Forecast Performances of Linear Time Series and Artificial Neural Network Models within the Context of Turkish Inflation,” by Nuri Uçar, Department of Economics, Bilkent University, Aug. 2001.
- “A Comparative Performance Analysis for the Commonly Used Time Series Filters in Economics: Hodrick-Prescott versus Baxter-King,” by Ebru Yüksel, Department of Economics, Bilkent University, Aug. 2001.
- “Export Performance of Turkey in the European Union Market in Comparison to South East Asian Countries: 1990-1997,” by Zelal Kotan, Department of Economics, Bilkent University, Sept. 2000.
- “Labor Migration and Trade Patterns in the Presence of Age Composition Differences across Countries: An Overlapping Generations Analysis,” by A.Emre Uyar, Department of Economics, Bilkent University, Sept. 2000.
- “An Analysis of Trade Creation and Trade Diversion Effects in the BSEC Region” by Gülnihal Mahmutoğlu, Department of Economics, Bilkent University, Sept. 1998.
- “A Social Accounting Matrix Multiplier Analysis of the Effects of Agricultural Support Policies” by Ela Tin, Department of Economics, Bilkent University, Sept. 1997.

Specialist’s Theses

- “Zamana Göre Fiyat Farklılaştırması ve Satın Alma Gücü Paritesi (Price Discrimination over Time and Purchasing Power Parity),” Mehmet Muzaffer Tamur, Central Bank of Turkey, May 2009.
- “İşçi Gelirleri ve Büyümedeki Çevrimler Arasındaki İlişki (Workers’ Remittances and Cyclical Fluctuations in Growth),” by Pınar Erdem-Yiğit, Central Bank of Turkey, November 2005.

Master’s Projects

- “Türkiye’nin Çeşitlenen Doğrudan Yabancı Yatırım Portföyü (Diversification of Turkey’s FDI (In/Out)Flows,” by Nihan Sırıklıoğlu, MBA Program, TOBB University of Economics and Technology, July 2011.

Membership in Ph.D. Dissertation Committees

- Gökçe Akın, "Market-Based Environmental Regulation in The Post Kyoto World: Analysis of Turkey's Action Plan in a General Equilibrium Framework," Bilkent University, July 2012.
- Çağaçan Değer, Ph.D., "An Overlapping Generations Analysis of Social Security Reform in Turkey," Middle East Technical University, July 2011.
- Atila Bedir, Ph.D., "Price Competitiveness and Intraindustry Trade: The Case of the Turkish Economy," Ankara University, Jan. 2009.
- Berna Türkekul, Ph.D., "Short and Long Run Effects Macroeconomic Variables on the Turkish Agricultural Sector," Ege University, September 2004.
- Aykut Lenger, Ph.D., "Technological Capability and Economic Growth in Turkey," Middle East Technical University, July 2004.
- Ebru Voyvoda, Ph.D., "Alternatives in Debt Management: Investigation of Turkish Debt in an Overlapping Generations General Equilibrium Framework," Bilkent University, July 2003.
- Won Joo Hwang, Ph.D., "Macroeconomic Policies and Structural Adjustment under IMF Stabilization Program in the Turkish Economy: A Computable General Equilibrium Analysis, Middle East Technical University, April 2003.

◇ Service to the Profession

Editorial Service and Refereeing

- **Editor in Chief :** *Uluslararası Ekonomi ve Dış Ticaret Politikaları* (International Economics and Foreign Trade Policies), March 2006-May 2009.
- **Associate Editor:** *Emerging Markets Finance and Trade*, 2009-2013.
- **Guest Editor** : *Journal of Economics and Finance*, for the Summer 2006 Symposium.
METU Studies in Development, Dec. 2005 special issue.
Emerging Markets Finance and Trade, Nov./Dec. 2004 special issue.
- **Member of the Editorial Board:**
Review of Middle East Economics and Finance (Berkeley Electronic Press), May 2007-Present.
Ekonomik Yaklaşım (Gazi University Press), 2001-2010.
Yapı Kredi Economic Review, September 2004-2009.
Ege Academic Review, 2000-2003.
- **Member of the Advisory Board:**
İktisat, İşletme ve Finans, 1999-Present.

- **Refereeing for Journals:**

- *Journal of Asian Economics*
- *Bulletin of Economic Research*
- *Canadian J. of Economics*
- *J. of Development Economics*
- *J. of Economic Dynamics and Control*
- *J. of Economic Growth*
- *Economic Inquiry*
- *J. of Economic Surveys*
- *Economic Modelling*
- *Economic Papers*
- *Emerging Markets Finance and Trade*
- *J. of Ethnic and Migration Studies*
- *J. of International Economics*
- *International Economic Review*
- *Int.Rev.of Economics & Finance*
- *Macroeconomic Dynamics*
- *Middle East Development Journal*
- *J. of Pension Economics & Finance*
- *Physica A*
- *Quarterly Rev. of Economics & Finance*
- *Research in Middle East Economics*
- *Rev of Middle East Economics & Finance*
- *Scandinavian J. of Economics*
- *Urban Studies*
- *Boğaziçi Journal*
- *Ege Akademik Bakış*
- *Ekonomi-tek*
- *İktisat, İşletme ve Finans*
- *ODTÜ Gelişme Dergisi*
- *TİSK Akademi*
- *Yapı Kredi Economic Review*

- **Refereeing for Edited Volumes/Series:**

Research in Transportation Economics Series published by Elsevier
Global Public Goods Series published by UNDP (edited by I. Kaul, et.al.)
Explaining Growth in the MENA Region (edited by H. Pesaran and J. Nugent) Routledge.
Robert Schuman Centre for Advanced Studies (European University Inst., Italy) WP Series

- **Refereeing for Research Grants:**

AERI (Agricultural Economics Research Institute) of Turkey
Engineering and Physical Sciences Research Council (EPSRC) of the United Kingdom
Economic Research Forum
Fulbright Commission
GERPA (Gender Economic Research and Policy Analysis)
Global Development Network
MireKoc (Migration Research Program at Koc University)
Scientific and Technological Research Council of Turkey (TUBITAK)

- **Positions Held in Professional Societies**

President (2010-2012), Executive Secretary (2007-2009), Board Member (2004- 2006) and Member (1996-Present), *Middle East Economic Association*.

Board Member (Oct. 2000-May 2003), Member (Oct. 1999-Present) *Turkish Economic Association*.

- **Other Committee and Board Memberships**

- **Member of the Scientific Program Committee:**

- *World Economic Society, First International Conference in Economics, Prag, Czech Republic: September 3-5, 2014.*

Member of the Scientific Program Committee (Continued)

- *Winter Meetings of the Middle East Economic Association*, 2006-Present.
 - *Spring/Summer Meetings of the Middle East Economic Association*, 2009-Present.
 - *Third International Conference on Economics by the Turkish Economic Association*, Ankara, Turkey: November 1-3, 2012.
 - *International Conference on Applied and Computational Mathematics*, Ankara, Turkey: October 3-6 2012.
 - *International EconAnadolu Conference 2009 and 2011*, Eskişehir, Turkey: June 2009 and 2011.
 - *International Conference on Economics by the Turkish Economic Association (ICE-TEA)*, Ankara, Turkey: September 11-13, 2006.
 - *The Twelfth International Conference on Computing in Economics and Finance (CEF 2006)*, Limassol, Cyprus: June 22-24, 2006.
 - *The 96th EAAE Seminar on the 'Causes and Impacts of Agricultural Structures,'* Taenikon, Switzerland: January 10-11, 2006.
 - *The Twelfth Annual Meetings of the Economic Research Forum*, Cairo, Egypt: December 19-21, 2005.
 - *Symposium on the Recent Advances in Monetary Theory and Policy* (co-organized by Muğla University and the Turkish Central Bank), Muğla, Turkey: February 24-26, 2005.
 - *International Conference on Input-Output and General Equilibrium Models: Data, Modeling and Policy Analysis* (co-organized by the International Input-Output Association and the Global Economic Modeling Network), Brussels, Belgium: September 2-4, 2004.
 - *Society for Computational Economics, Computational Management Science Conference and International Workshop on Computational, Econometrics and Statistics*, Neuchatel, Switzerland: April 2-5, 2004.
 - *Society for Computational Economics International Workshop on Computational Management Science, Economics, Finance and Engineering*, Limassol, Cyprus: March 28-30, 2003.
 - *ERC/METU International Conference in Economics VI*, Ankara, Turkey: September 11-14, 2002.
 - *The Ninth National Economics Symposium of Turkish Economic Association*, Canakkale, Turkey: October 18-19, 2001.
 - *ERC/METU International Conference in Economics V*, Ankara, Turkey: September 10-13, 2001.
 - *IFAC (International Federation of Automatic Control) Symposium on Modeling and Control of Economic Systems*, Klagenfurt, Austria: September 6-8, 2001.
 - *CMS-Second International Conference of Management Students*, Istanbul, Turkey: May 16-19, 2001.
 - *Informatics Association of Turkey Symposium on the Transition to Information Society 2001*, Ankara, Turkey: March 23-24, 2001.
 - *Türkiye 2nd International Distance Education Symposium*, Ankara, Turkey: May 4-8, 1998.
- **Others**
 - Member, *Ad hoc* Committee of Experts on Sustainability of Social Security System in Turkey for the 10th Development Plan, 2012
 - Advisory Board Member, *Bosphorus University Center for Development Studies and Innovation and Competitiveness-oriented Research*, October 2011-Present.
 - Member, *Ad hoc* Consultory Committee for the Formation of a National Employment Strategy and Action Plan, the Turkish Ministry of Labor, Dec. 2009-Feb. 2010.

Others (Continued)

- Member, *Ad hoc* Committee of Experts on Social Security Reform in Turkey for the 9th Development Plan, State Planning Organization, Ankara, 2005.
- Member, Selection Committee, *TUSIAD-TBV e-State Awards 2005*.
- Organization Committee Member, *Ekonomi Yaz Seminerleri-I and II* (Economics Summer School) organized by Pamukkale University and the Turkish Economic Association, Denizli, July 8-August 3, 2002; June 30-August 16, 2003.
- Member of the Research Council (the Council that decides on the priority research areas to be supported by the AERI), 1997-2001.
- Member, Work Group for Development of Policies to Promote Technologies Sensitive to Environment, Turkish Academy of Sciences-Scientific and Technical Research Institute of Turkey-Technology Development Foundation of Turkey, 1995.

▪ **Organized Sessions and Workshops**

Organizer and Director. Workshop on “Causes and Effects of the Shadow Economy: MENA and Mediterranean Countries vs the Rest of the World,” the Mediterranean Program’s *Thirteenth Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Montecatini Terme, Italy: March 21-24, 2012.

Organizer. Session on “Economics of Terrorism and Crime,” *International Conference on Economics by the Turkish Economic Association (ICE-TEA)*, Ankara, Turkey: September 11-13, 2006.

Organizer. Session on “Workers’ Remittances: Measurement and Identification of Their Contributions to Economic Development,” the *Twentysixth Annual Meetings of the Middle East Economic Association*, Boston, USA: January 6-8, 2006.

Organizer and Director. Workshop on “Corruption and Governance: The Case of the MENA and the Mediterranean Countries,” the Mediterranean Program’s *Sixth Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Florence, Italy: March 16-20, 2005.

Organizer. “Time Series Filtering Techniques and Business Cycles,” *Computational Management Science Conference and Workshop on Computational Econometrics and Statistics* (organized in co-operation with the Society for Computational Economics), Neuchatel, Switzerland: April 2-5, 2004.

Organizer and Director. Workshop on “Business Cycle Characteristics and Transmission of Crises in a Globalized Economy: The Case of MENA and Europe,” the Mediterranean Program’s *Fourth Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Florence, Italy: March 19-23, 2003.

Organizer. “Invited Session on Advances in Computational Economics,” *ERC/METU International Conference in Economics VI*: Ankara, Turkey: September 11-14, 2002.

Organizer. “Session on Overlapping Generations Modeling of Population Aging and Related Demographic Issues,” *IFAC Symposium on Modeling and Control of Economic Systems*, Klagenfurt, Austria: September 6-8, 2001.

Organized Sessions and Workshops (Continued)

Organizer and Panel Chair. “Bilkent-FAO Meeting on International Trade and Food Security,” Ankara, Turkey: September 13, 1996.

◇ **Professional Society Memberships and Other Activities**

- Member, *Middle East Economic Association*, 1996-Present.
- Member, *Society for Computational Economics*, 1999-Present.
- Member, *Turkish Economic Association*, 1999-Present.
- Member, *Fulbright Alumni Association of Turkey*, 1996-Present.
- Member, *Global Development Network*, 2002-Present.
- Member, *TUSIAD-Koc Economic Research Forum*, 2010-Present.
- Contributor, *Project Syndicate*, An Association of Newspapers Around the World, 2002-Present.

PUBLICATIONS AND PRESENTATIONS

PUBLICATIONS

Refereed Articles in Scholarly Periodicals

Refereed Articles in English:

S. Sayan and A. Tekin-Koru, “Remittances, Business Cycles and Poverty: The Recent Turkish Experience,” *International Migration*, Vol. 50, No. s1, 2012. pp. 151-176.

C. Bora Durdu and S. Sayan, “Emerging Market Business Cycles with Remittance Fluctuations,” *IMF Staff Papers*, Vol. 57, No. 2, 2010. pp. 303-325.

G. Celik and S. Sayan, “On the Optimality of Nonmaximal Fines in the Presence of Corruptible Law Enforcers,” *Review of Economic Design*, Vol. 12, No. 3, 2008. pp. 209-227.

S. Sayan, “Heckscher-Ohlin Revisited: Implications of Differential Population Dynamics for Trade within an Overlapping Generations Framework,” *Journal of Economic Dynamics and Control*, Vol. 29, No. 9, 2005. pp. 1471-1493 [Lead Article].

M. Jelassi and S. Sayan, “Implications of Unequal Rates of Population Growth for Trade: An Overlapping Generations-General Equilibrium Analysis within the Heckscher-Ohlin Framework,” *METU Studies in Development* (Special Issue in Memory of Prof. Merih Celasun), Vol. 32, No. 2, 2005. pp. 391-408.

S. Sayan, “The Effects of BSEC on Regional Trade Flows,” *Agora Choris Synora*, Vol. 10, No. 4, 2005. pp. 334-347.

S. Sayan, “Guest Workers’ Remittances and Output Fluctuations in Host and Home Countries: The Case of Remittances from Turkish Workers in Germany,” *Emerging Markets Finance and Trade*, Vol. 40, No. 6, 2004. pp. 68-81.

S. Sayan, "H-O for H₂O: Can the Heckscher-Ohlin Framework Explain the Role of Free Trade in Distributing Scarce Water Resources in the Middle East?," *Review of Middle East Economics and Finance*, Vol. 1, No. 3, 2003. pp. 215-230.

S. Sayan and N. Demir, "Structural Change in Agriculture and Water Requirements in Turkish Economy," *Research in Middle East Economics*, Vol. 5, 2003. pp. 289-315.

T. Teksoz and S. Sayan, "Simulation of Benefits and Risks after the Planned Privatisation of Pension System in Turkey: Is The Expected Boost to Financial Markets Feasible?" *Emerging Markets Finance and Trade*, Vol. 38, No. 5, 2002. pp. 23-45.

S. Sayan, "Turning Potential Retirees into Workers: Pension Reform Act of 1999 and Beyond in Turkey," *Middle East Business and Economic Review*, Vol. 14, No. 2, 2002. pp. 54-70.

Z. Kotan and S. Sayan, "A Comparative Investigation of the Price Competitiveness of Turkish and South East Asian Exports in the European Union Market: 1990-1997," *Emerging Markets Finance and Trade*, Vol. 38, No. 4, 2002. pp. 59-85.

S. Sayan, "The Contribution of Black Sea Economic Cooperation Organisation to Regional Development," *South East Europe Review*, No. 2, 2002. pp. 25-34.

T. Teksoz and S. Sayan, "Simulation of Risks and Benefits from a Private Pension Scheme for Turkey," *Hazine Dergisi*, No. 14, 2002. pp. 141-159.

T. Kenc and S. Sayan, "Demographic Shock Transmission from Large to Small Countries: An Overlapping Generations CGE Analysis," *Journal of Policy Modeling*, Vol. 23, No. 6, 2001. pp. 677-702.

S. Sayan and A. Kiraci, "Parametric Pension Reform with Higher Retirement Ages: A Computational Investigation of Alternatives for a Pay-As-You-Go Based Pension System," *Journal of Economic Dynamics and Control*, Vol. 25, No. 6-7, 2001. pp. 951-966.

S. Sayan and A. Kiraci, "Identification of Parametric Policy Options for Rehabilitating a Pay-As-You-Go Based Pension System: An Optimisation Analysis for Turkey," *Applied Economics Letters*, Vol. 8, No. 2, 2001. pp. 89-93.

S. Sayan and N. Demir, "Measuring the Degree of Block Interdependence between Agricultural and Non-agricultural Sectors in Turkey," *Applied Economics Letters*, Vol. 5, No. 5, 1998. pp. 329-332.

S. Sayan, "Budget Deficits and Agricultural Support Spending: General Equilibrium Effects Under Alternative Support Schemes," *Yapi Kredi Economic Review*, Vol. 7, No. 2, 1996. pp. 27-46.

Refereed Articles in Turkish:

F.P. Erdem and S. Sayan, "Türk ve Alman Ekonomilerindeki İş Çevrimlerinin Almanya'dan Türkiye'ye Transfer Edilen İşçi Gelirleri Üzerindeki Etkileri: Ekonometrik Analiz (Behavior of Remittances from Turkish Workers in Germany over the Business Cycles in Turkey and Germany: An Econometric Analysis)," (with English abstract), *Uluslararası Ekonomi ve Dış Ticaret Politikaları*, Vol. 2, No. 3, 2008. pp. 103-130.

S. Sayan, “Sosyal Sigortalar Kurumu’nun Uzun Dönem Aktüeryel Dengeleri: 1999 Reformu ve Alternatifleri (Long Term Actuarial Balances of the SSK Pension Fund: The Reform of 1999 and Alternatives),” *Karia*, Vol. 1, No. 1, 2005. pp. 39-71.

Z. Kotan and S. Sayan, “Türk İhraç Ürünlerinin Avrupa Birliği Pazarında Güney Doğu Asya Ülkelerine Karşı Rekabet Gücünün Analizi: 1990-1999 (An Analysis of the Price Competitiveness of Turkish Exports to the European Union Markets against South East Asian Products: 1990-1999),” (with English abstract), *Ekonomik Yaklaşım*, Vol. 14, No. 44-46, 2003. pp. 1-21.

C. Abay, S. Sayan and B. Miran, “Türkiye’de Tarımsal Destek Harcamalarının Enflasyonist Etkileri: Ekonometrik Bir İnceleme (Inflationary Effects of Agricultural Support Spending in Turkey: An Econometric Investigation),” *İktisat, İşletme ve Finans*, Vol. 17, No. 199, 2002. pp. 49-60.

S. Sayan and H. Berument, “Türkiye’de Siyaset, Ekonomik Populizm ve Hükümetler (Politics, Economic Populism and Governments in Turkey),” (with English abstract), *Hacettepe Üniversitesi İİSBF Dergisi*, Vol. 15, No. 2, 1997. pp. 171-185.

S. Sayan, “Türkiye’de İktisat Öğretimi Nasıl Yapılmalı? Bir Mikroiktisadi Yaklaşım Denemesi (How Should Economics be Taught in Turkey? A Microeconomic Approach),” *Ekonomik Yaklaşım*, Vol. 5, No.14, 1994.

M. Muftuler and S. Sayan, “İsrail-Filistin Barışının Türkiye ve Bölge Ekonomileri Üzerindeki Olası Etkilerine Bir Bakış (An Assessment of the Possible Effects of a Prospective Israeli-Palestinian Peace on the Economies of Turkey and the Region),” *Ekonomik Yaklaşım*, Vol. 4, No.11, 1994.

S. Sayan, “Ekonomi Teorisi ve Ekonomi Eğitimi: Kara’ya Cevap (Economic Theory and Economics Education: A Reply to Mr.Kara),” *METU Studies in Development*, Vol. 15, No.s 1-2, 1988.

S. Sayan, “Ekonomi Nasıl Öğretil(me)meli (How Should Economics [not] be Taught?),” *METU Studies in Development*, Vol. 14, No. 1, 1987.

Chapters in Books

S. Sayan, “Recessions and Remittances in Home and Host Countries: An Overview,” A.R. Al-Noaimi ve I. Omelaniuk (eds.), *Labor Mobility: An Enabler for Sustainable Development*, Abu Dhabi: The Emirates Center for Strategic Studies and Research, 2013, pp. 87-102.

S. Sayan and A. Tekin-Koru, “Host-Country Economic Policies and Worker Remittances to Developing Countries: The Cases of Turkey and Mexico,” in R. Lucas, L. Squire and T. Srinivasan (eds.), *Global Exchange and Poverty: Trade, Investment and Migration*, Cheltenham: Edward Elgar, 2010, pp. 158-194.

S. Sayan, “Sosyal Güvenlik (Social Security),” in N. Özkaramete-Coşkun (ed.), *Türkiye Ekonomisi Yeni Yapı: 2000-2008 (Turkish Economy: The New Structure 2000-2008)*, Ankara: İmaj Yayınevi, 2009, pp. 135-151.

T. Kenc and S. Sayan, “Demographic Shock Transmission from Large to Small Countries: An Overlapping Generations CGE Analysis,” in J. Creedy & R. Guest (Ed.), *New Developments in the Economics of Population Ageing (Critical Writings in Economics Series edited by Mark Blaug)*,

Cheltenham: Edward Elgar, 2007. [Reprint of the *Journal of Policy Modeling* (2001) paper by the authors.]

S. Sayan, "Political Economy of Pension Reform," in S. Altug and A. Filiztekin (eds.), *The Turkish Economy: The Real Economy, Corporate Governance and Reform*, London: Routledge-Curzon, 2006, pp. 252-275.

Z. Kotan and S. Sayan, "Price Competition between Turkish and East Asian Exports in the European Union Market in the 1990s," in H. Hakimian and J.B. Nugent (eds.), *Trade Policy and Economic Integration in the Middle East and North Africa: Economic Boundaries in Flux*, London: Routledge-Curzon, 2004, pp. 119-137.

G. Turhan-Sayan and S. Sayan, "Use of Time-Frequency Representations in the Analysis of Stock Market Data," E. Kontoghiorghes, B. Rustem and S. Siokos (eds.), *Computational Methods in Decision-making, Economics and Finance*, Kluwer Applied Optimization Series, Dordrecht: Kluwer Academic Publishers, 2002, pp. 429-453.

S. Sayan, "Nüfus, İşgücü Piyasaları ve Sosyal Güvenlik Politikaları (Demography, Labor Markets and Social Security Policies)," in A. Şahinöz (ed.), *Türkiye Ekonomisi: Sektörel Analiz (The Turkish Economy: A Sectoral View)*, Ankara: Türkiye Ekonomi Kurumu, 2001, pp. 432-457.

S. Sayan and O. Zaim, "The Black Sea Economic Cooperation Project," in L. Rittenberg (ed.), *The Political Economy of Turkey in the Post-Soviet Era*, Westport, CT: Praeger/Greenwood Publishing Group, Inc., 1998, pp. 115-136.

S. Sayan, "Economic Cooperation as a Means of Maintaining Palestinian-Israeli Peace: A Conceptual Framework," in H. Koni (ed.), *Contribution of Turkey for Reconstruction and Development of Palestine*, Ankara: Friedrich-Naumann-Foundation, 1995. pp. 209-228.

Edited Volumes

S. Sayan (ed.). *Economic Performance in the Middle East and North Africa: Institutions, Corruption and Reform*, London and New York: Routledge, 2011 (Soft Cover Ed.) and 2009 (Hard Cover Ed.)

S. Sayan (ed.). *Yerel Ekonomilerin Sürdürülebilir Kalkınması ve Çanakkale Örneği (Sustainable Development of Regional Economies: the Case of Canakkale)*, Ankara: Türkiye Ekonomi Kurumu, 2002.

Monographs

S. Sayan, Y. Alper and Ç. Değer, *2050'ye Doğru Nüfusbilim ve Yönetim: Sosyal Güvenlik (Emeklilik) Sistemine Bakış, (Demography and Administration towards 2050: Looking at the Social Security (Retirement) System)*. Ankara: TUSIAD, 2012. (134p.) (Available at http://www.tusiad.org.tr/_rsc/shared/file/SosyalGüvenlikSistemineBakis.pdf)

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“National Information Infrastructure in Turkey,” *International Center for Economic Growth Workshop on ‘Factors and Impacts in the Information Society: An Analysis of the Prospects for Candidate Countries,’* Budapest, Hungary, June 30-July 1, 2003.

“Guest Workers’ Remittances and Output Fluctuations in Host and Home Countries: The Case of Remittances from Turkish Workers in Germany and the EU,” the *Fourth Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Florence, Italy, March 19-23, 2003.

“Structural Change in Agriculture and the Turkish Economy Before and After the Structural Reforms and Liberalization of the 1980s,” *Fourteenth International Conference on Input-Output Techniques,* Montréal, Canada, October 10-15, 2002. [joint work with and presented by N.Demir]

“Demographic Trends and the Upcoming Changes in the Patterns of Migration and Trade between Developing and Developed Countries,” the *Annual World Bank Conference on Development Economics,* Oslo, Norway, June 24-26, 2002.

“An Investigation into the Demographic Determinants of Migration and Trade Patterns in Europe: Simulation Results from an Archetype Overlapping Generations Model,” the *Third Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Florence, Italy, March 20-24, 2002.

“An Overlapping Generations General Equilibrium Analysis of the Directions of Trade and Labor Flows between Countries with Young and Aging Populations,” *International Federation of Automatic Control (IFAC) Symposium on Modelling and Control of Economic Systems 2001,* Klagenfurt, Austria, September 6-8, 2001.

“The Role of Bilkent University within Turkish Higher Education System,” the *Annual Meetings of the European Association of International Education,* Tampere, Finland, December 5-8, 2001.

“Bölgesel Kalkınma Açısından Çanakkale Yöresinin Karşılaştırmalı Üstünlükleri (Comparative Advantages of Canakkale for Regional Development),” *9. Ulusal İktisat Sempozyumu,* Çanakkale, October 18-19, 2001.

“AB’ye Tam Üyelik Sürecinde Türkiye’de Küçük Sanayi (Small Industry during the Course of Turkish Accession into the EU),” *Türkiye’nin Sorunlarına Çözüm Konferansı-IV,* Pamukkale University, Denizli, May 21, 2001.

“Türkiye’de Tarıma Yapılan Transferler ve Enflasyon: 1979-1999 Dönemi İçin Ekonometrik Bir İnceleme (Transfers to Agriculture and Inflation: An Econometric Investigation for 1979-1999),” *Agricultural Economics Research Institute (AERI/TEAE) Workshop,* Ankara, May 4, 2001. [joint work with C. Abay and B. Miran.]

Invited Lectures and Presentations (Continued)

“Political Economy of Pension Reform: The Lessons that MENA Countries can Derive from the Pension Reform Experience of Turkey,” the *Second Mediterranean Social and Political Research Meeting* (organized by the Robert Schuman Centre for Advanced Studies at the European University Institute), Florence, Italy, March 21-25, 2001.

“Recent Developments in Turkish Foreign Trade,” *Conference on the ‘Economy of Turkey’* (organized by the Moshe Dayan Center, Tel Aviv University), Tel Aviv, Israel, June 15, 2000.

“Social Security Reform through Increases in the Statutory Entitlement Ages for Old Age Insurance: Optimal Magnitude and Timing,” the *Sixth International Conference of the Society for Computational Economics*, Barcelona, Spain, July 6-8, 2000. [joint work with G. Turhan-Sayan]

“Reflections on How to Be a Better Teacher?” *Approaches to Better Teaching Workshop*, Bilkent University, Ankara, September 24-27, 1999.

“Turk Emeklilik Sisteminin Rehabilitasyonu İçin Parametrik Politika Alternatifleri (Parametric Reform Options Before the Pension System in Turkey),” Background paper [joint work with A. Kiraci] presented at the *Policy Debate on Pension Reform in Turkey* featuring Serdar Sayan and Kemal Kılıçdaroğlu (organized by the Turkish Economic Association), Ankara, May 26, 1999.

“İktisat Öğretimi Nasıl Olmalıdır? (What Kind of an Economics Education?)” *Panel Discussion on ‘Economics Education in Turkey’*, Hacettepe University, Ankara, April 21, 1999.

“An Investigation of Reform Options for Turkish Social Security System: An Overlapping Generations General Equilibrium Analysis,” the *Second International Conference of the METU/Economic Research Center*, Ankara, September 9-12, 1998. [joint work with S. Ozgur and T. Kenc]

“The Prospects of Economic Integration between Ageing European Union and Baby-Booming Turkey: An Overlapping Generations-General Equilibrium Analysis,” presented *in absentia* by E. Alper at the *Sixteenth Annual Meeting of the Middle East Economic Association* (held in conjunction with Allied Social Science Associations), New Orleans, USA, January 3-5, 1997. [joint work with T. Kenc]

“Economic Cooperation as a Means of Maintaining Palestinian-Israeli Peace: A Conceptual Framework,” *International Conference on ‘the Contribution of Turkey for Reconstruction and Development of Palestine’*, Ankara, December 1-3, 1994.

“Ekonomi Eğitiminde Yöntem Üzerinde Düşünceler (Some Thoughts on the Method of Economics Education),” *Panel Discussion on ‘Economics Education in Turkey’*, Gazi University, Ankara, June 16, 1993.

Conference Papers Selected by Referees

S. Sayan and P. Kaynak, “Is There a Current Account Deficit Unemployment Trade-off in Turkey?,” the *15th International Symposium on Econometrics, Operations Research and Statistics*, Isparta: May 22-25, 2014.

N. Dincer and S. Sayan, "Linkages Between GDP and Sectoral Output Cycles: An Investigation for Turkey," the *Ninth International Conference of the Middle East Economic Association*, Istanbul: June 23-27, 2010.

S. Sayan and P. Ozkan, "European Union Business Cycles and Remittances Sent Home by the Migrants from Turkey Living in the EU Area," the *Eighth International Conference of the Middle East Economic Association*, Nice, France, March 18-20, 2009.

S. Sayan and B. Tas, "Mexican Remittances and the Business Cycles in Mexico and the US," the *Fourteenth International Conference of the Society for Computational Economics*, Paris, France, June 26 - 28, 2008. (presented by B. Tas).

S. Sayan, "Linkages between Corruption and Economic Development/Growth in the MENA Region," the *Seventh International Conference of the Middle East Economic Association*, Famagusta, North Cyprus, May 29-30, 2008.

M.M. Jelassi and S. Sayan, "How Did China Become a Price Setter in the World Markets? or The Implications of Population Growth Differentials for Dynamic Trade Equilibrium," the *Fifth International Conference of the Middle East Economic Association*, Sousse, Tunisia, March 10-12, 2006 (presented by M.M. Jelassi).

S. Sayan and A.Tekin-Koru, "Cyclical Properties of Workers' Remittances: The Cases of Turkey and Mexico Compared," the *Thirtyfirst Annual Meeting of the Middle East Economic Association*, Boston, USA, January 6-8, 2006.

M.M. Jelassi and S. Sayan, "Lessons about Growth, Convergence and Trade from Analytical and Numerical Solutions of A 2x2 Overlapping Generations Model for a Growing-Population Economy," the *Eleventh International Conference of the Society for Computational Economics*, Washington, DC, USA, June 23-25 2005.

S. Sayan and G. Turhan-Sayan, "Time Series Filtering through Chebyshev Polynomials," the *Tenth International Conference of the Society for Computational Economics*, Amsterdam, Netherlands, July 10 - 12, 2004.

S. Sayan and E. Yuksel, "The Cyclical Behavior of Industrial Production with respect to the Degree of Export Orientation by Industry: An Investigation for Turkey," the *Second International Conference of the Middle East Economic Association*, Versailles, France, June 2-3, 2003 (presented by E.Yuksel).

S. Sayan. "Simulation of Dynamic Trade Equilibrium with a 2x2x2x2 Overlapping Generations General Equilibrium Model when Savings and Population Growth Rates Differ across Countries," the *Eighth International Conference of the Society for Computational Economics*, Aix-en-Provence, France, June 27 - 29, 2002.

M.M. Jelassi and S. Sayan. "An Analytical Investigation on a Non-Monetary Two-Sector Overlapping Generations Economy," the *Sixth International Conference of the METU/Economic Research Center*, Ankara, September 11-14, 2002 (presented by M.M. Jelassi).

B. Ciftci and S. Sayan. "An Intergenerational Optimization Analysis of Alternative Deficit Reduction Strategies for the Pension System in Turkey," the *Sixth International Conference of the METU/Economic Research Center*, Ankara, September 11-14, 2002 (presented by B. Ciftci).

T. Teksoz and S. Sayan. "Bireysel Emeklilik Gelirinin Simulasyonu: Katilimci Acisindan Risk ve Fayda Analizi," *I. Geleneksel Aktuerya Konferansi*, Marmara University, Istanbul, June 12-13, 2002 (presented by T. Teksoz).

S. Sayan. "Cyclicality of Remittance Flows and Business Cycle Characteristics in Host and Home Countries: The Case of Remittances of Turkish Workers in Germany," Background Paper for the *Eighth Annual Conference of the ERF*, Cairo, Egypt, January 15-17, 2002 (Summary in *ERF Forum*, Vol. 9, No. 1, Spring 2002).

S. Sayan and E. Yuksel. "Hodrick-Prescott versus Baxter-King: A Comparative Performance Evaluation for the Commonly Used Filters in Economics," the *Fifth International Conference of the METU/Economic Research Center*, Ankara, September 10-13, 2001 (presented by E. Yuksel).

Z. Kotan and S. Sayan. "Comparing Turkish and South East Asian Exports' Price Competitiveness in the European Union Markets in the 1990s," the *First European Conference of the Middle East Economic Association*, London, England, July 20-22, 2001 (presented by Z. Kotan).

B. Ciftci and S. Sayan. "An Intergenerational Optimization Analysis of Parametric Pension Reform Alternatives for SSK," the *Twentysecond National Congress of Operations Research and Industrial Engineering*, Ankara, July 4-6, 2001 (presented by B. Ciftci).

S. Sayan. "Patterns of Trade between Countries with Differing Age Compositions of Populations: An Overlapping Generations General Equilibrium Analysis," the *Seventh International Conference of the Society for Computational Economics*, New Haven, USA, June 28-29, 2001.

G. Turhan-Sayan and S. Sayan. "A Comparative Evaluation of the Performances of Different Filtering Techniques in Business Cycle Identification," the *Seventh International Conference of the Society for Computational Economics*, New Haven, USA, June 28-29, 2001 (presented by G. Turhan-Sayan).

S. Sayan and T. Teksoz. "Simulation of Benefits from a Money Purchase Pension Scheme for Turkey," the *Twentysixth Annual Meeting of the Middle East Economic Association*, New Orleans, USA, January 5-7, 2001.

S. Sayan. "Could Free Trade Lead to a More Efficient Use of Scarce Water Resources in the MENA Region?: An Innovative Application of the Heckscher-Ohlin Framework," the *Seventh Annual Conference of the ERF*, Amman, Jordan, October 26-29, 2000 (Summary in *ERF Forum*, Vol. 7, No. 3, November 2000).

S. Sayan and E. Uyar. "Directions of Commodity and Factor Flows in the Presence of Age Composition Differences Across Countries: An Overlapping Generations General Equilibrium Analysis," the *Fourth International Conference of the METU/Economic Research Center*, Ankara, September 13-16, 2000.

E. Ruben and S. Sayan. "Sources of Export Competitiveness in Turkish Manufacturing Sectors," the *Fourth International Conference of the METU/Economic Research Center*, Ankara, September 13-16, 2000 (presented by E. Ruben).

S. Sayan and A. Kiraci. "Parametric Policy Reform for Rehabilitating the Publicly Managed Pension System in Turkey: An Intergenerational Optimization Analysis of Alternatives," Background Paper for the *Sixth Annual Conference of the ERF*, Cairo, Egypt, October 28-31, 1999 (Summary in *ERF Forum*, Vol. 6, No. 3, October 1999).

H. Ercan, A. Kiraci and S. Sayan. "Demographic Change and Parametric Policy Reform Options for the Publicly Managed, Pay-As-You-Go Based Pension System in Turkey," the *Third International Conference of the METU/Economic Research Center*, Ankara, September 8-11, 1999.

S. Sayan, C. Abay, B. Miran, A. Bayaner and N. Ucar. "An Investigation into the Nature of the Relationship between Agricultural Support Spending and the Rates of Inflation in Turkey: Is There a Link through the Budget Deficit?" the *Third International Conference of the METU/Economic Research Center*, Ankara, September 8-11, 1999.

S. Sayan and A. Kiraci. "A Numerical Optimization Algorithm for Identification of Policy Options to Rehabilitate a Publicly Managed, Pay-As-You-Go Based Pension System," the *Fifth International Conference of the Society for Computational Economics*, Boston, USA, June 24-26, 1999.

S. Sayan and T. Kenc. "Demographic Transition and Pension Policies: An Overlapping Generations, General Equilibrium Analysis for Turkey," the *Fifth Annual Conference of the ERF*, Gammarth, Tunisia, Aug. 31-Sept. 2, 1998 (Summary in *ERF Forum*, Vol. 5, No. 3, November 1998).

S. Sayan and E. Tin. "'Green Box' Measures for Agricultural Support: How Decoupled Can They Really Be? An Investigation within SAM and CGE Frameworks," *American Agricultural Economics Association Annual Meeting*, Salt Lake City, USA, August 2-5, 1998 (Abstract in *American Journal of Agricultural Economics*, Vol. 80, No. 5, December 1998).

S. Sayan. "The Black Sea Economic Cooperation Project: A Substitute or A Complement to Globalization for the Middle East and the Balkans?" *Conference on Globalization: Challenges and Opportunities for Development in the ERF Region* (organized by ERF, KISR and Kuwait University), Kuwait, October 18-20, 1997.

S. Sayan and E. Tin. "CGE models vs SAM multipliers: Which Do We need for Agricultural Support Policy Analysis?" the *First International Conference of the METU/Economic Research Center*, Ankara, September 18-20, 1997.

T. Kenc and S. Sayan. "Transmission of Demographic Shocks through Trade: An Overlapping Generations CGE analysis for Turkey and the European Union," the *First International Conference of the METU/Economic Research Center*, Ankara, September 18-20, 1997.

S. Sayan. "A Comparison of the Effects of Different Subsidy Schemes for US Agriculture: A Computable General Equilibrium Analysis," the *Eighth Triennial Congress of the European Association of Agricultural Economists*, Edinburgh, Scotland, September 3-7, 1996.

S. Sayan, L.G. Tweeten and L.J. Hushak. "Loan Subsidy Equivalents: A Novel Approach for General Equilibrium Investigation of Farm Program Expenditures," *American Agricultural Economics*

Association Annual Meeting, San Antonio, USA, July 28-31, 1996 (Abstract in *American Journal of Agricultural Economics*, Vol. 78, No. 5, December 1996).

S. Sayan, L.G. Tweeten and L.J. Hushak. "A Computable General Equilibrium Analysis of the Effects of Changes in Propensity to Save in the U.S.," *American Agricultural Economics Association Annual Meeting*, Indianapolis, USA, August 6-9, 1995 (Abstract in *American Journal of Agricultural Economics*, Vol. 77, No. 5, December 1995).

L.J. Hushak, S. Sayan and L.G. Tweeten. "The Budget Deficit, Taxes and US Agriculture: A Computable General Equilibrium Analysis," *American Agricultural Economics Association Annual Meeting*, Indianapolis, USA, August 6-9, 1995 (Abstract in *American Journal of Agricultural Economics*, Vol. 77, No. 5, December 1995). (presented by Leroy J. Hushak)

S. Sayan and S. Durgun. "Incorporating Energy-Related Concerns into an Environmentally Sustainable Development Strategy for Turkey: Patterns, Challenges and Actions," *Workshop on Strategic Visions for the Middle East and North Africa* (organized by Economic Research Forum and The World Bank), Gammarth, Tunisia, June 9-11, 1995 (Abstract in *ERF Forum*, Vol. 2, No. 3, October 1995).

S. Sayan. "General Equilibrium Effects of Changes in Household Saving Rates: The Lessons from Solutions under Alternative Capital Mobility Assumptions," the *Fifth International CGE Modeling Conference*, Waterloo, Canada, October 27-29, 1994.

S. Sayan and L.J. Hushak. "The Twin-Deficits Hypothesis: A CGE Interpretation for the US Economy, 1982-1986," *American Agricultural Economic Association Annual Meeting*, Baltimore, USA, August 9-12, 1992 (Abstract in *American Journal of Agricultural Economics*, Vol. 74, No. 5, December 1992) . (presented by Leroy J. Hushak)

S. Sayan. "The Implications for US Agriculture of the Economic Imbalance with Japan: A CGE Analysis," *International Agricultural Trade Research Consortium Symposium*, New Orleans, USA, December 12-14, 1991.

S. Sayan. "Japanese Buying Out America? A Computable General Equilibrium Analysis of the US Economy with special reference to the Capital Inflows from Japan," *CGS Forum*, Ohio State University, Columbus, USA, April 20, 1991.

Seminars

"UMEM Beceri '10 Projesi'nde Sanayi Elemanı Talebi Neden Karşılanamıyor?" *BETAM Seminars*, Bahçeşehir University, Istanbul: July 5, 2012.

"UMEM Beceri '10 Projesi: Ham Veriler Bazında Durum ve Beklentiler," *Bahçeşehir University – BETAM*, Istanbul: April 27, 2011.

"Türkiye ve Bölge Ülkelerinde Kurumsal Yapı, Yolsuzluk ve Ekonomik Büyüme İlişkisi (Institutions, Corruption and Economic Growth in Turkey and the Surrounding Countries)," *EAD-SETA İktisat Seminerleri*, Ankara, March 30, 2010.

Seminars (Continued)

“Cyclical Characteristics of Turkish Migrants’ Remittances,” *Statistical, Economic and Social Research and Training Center of the OIC*, Ankara, April 22, 2009.

The Impact of the Global Financial Crisis on the Turkish Economy,” *Harvard University Kennedy School of Government*, Cambridge, USA, April 6, 2009.

“Linkages between Corruption and Economic Growth: Where does Turkey Stand relative to Surrounding Regions?” *Izmir University of Economics*, Izmir, June 12, 2008.

“Kurumsal Yapı, Yolsuzluk ve Ekonomik Performans: Orta Dogu ve Kuzey Afrika Ülkeleri Deneyimi,” *Istanbul Technical University*, Istanbul, March 14, 2008.

“Migrant Workers' Remittances and Output Cycles,” *Istanbul Technical University*, Istanbul, April 21, 2006.

“Counting the Reasons why Countercyclicality of Workers’ Remittances may be Counterfactual?” *American University*, Washington, DC, USA, March 2, 2005.

“Can Free Trade Help Distribute Scarce Water Resources Efficiently?” *Ohio State University*, Columbus, USA, January 13, 2005.

“Reform Alternatives before the Publicly Managed Pension System in Turkey,” *Bilkent University*, Ankara, December 28, 2004.

“Trade and Growth Implications of Population Growth for the Long-run Equilibrium of an Overlapping Generations Economy,” *Koc University*, Istanbul, November 19, 2004.

“Heckscher-Ohlin Revisited--Trade Implications of Differing Speed of Demographic Transition Across Countries in the Long-run,” *Bogazici University*, Istanbul, May 14, 2004.

“Heckscher-Ohlin Revisited--Implications of Differential Population Dynamics for Trade in the Long-Run: An Overlapping Generations General Equilibrium Analysis,” *Ohio State University*, Columbus, USA, April 1, 2004.

“Heckscher-Ohlin Revisited: Results from a 2x2x2x2 Dynamic Model under Population Growth Rate Differentials,” *West Virginia University*, Morgantown, USA, January 8, 2003.

“Dynamic Heckscher-Ohlin Results from a 2x2x2x2 OLG Model when Populations Grow at Differing Speeds,” *Bogazici University and Sabanci University*, Istanbul, April 19, 2002.

“Dynamic Heckscher-Ohlin Results from an OLG General Equilibrium Model of Two Countries with Unequal Population Growth Rates,” *Bilkent University*, Ankara, December 19, 2001.

“İktisat Öğretimi Nasıl Olmalıdır? (How should Economics be Taught?)” *Ege University*, Izmir, May 23, 2001.

“Patterns of Trade between Countries with Differing Age Compositions of Populations: An Overlapping Generations General Equilibrium Analysis,” *Middle East Technical University*, Ankara, May 7, 2001.

Seminars (Continued)

“Directions of Commodity and Factor Flows between High- and Low-Population Growth Countries: An Overlapping Generations General Equilibrium Analysis,” *University of California Riverside*, Riverside, USA, January 10, 2001.

“Social Security Crisis in Turkey,” *Middle East Technical University*, Ankara, April 10, 2000.

“Evaluation of Parametric Reform Options Before Publicly Managed Pension Systems: Some Political Economy Considerations,” *Bogazici University*, Istanbul, December 21, 1999 and *Koc University*, Istanbul, December 22, 1999.

“Parametric Policy Options to Rehabilitate the Publicly Managed, Pay-As-You-Go Based Pension System in Turkey,” *Bilkent University*, Ankara, April 28, 1999. [joint work with A. Kiraci]

“Differences in Economic Policy Choices across the Types of Governments,” *Hacettepe University*, Ankara, May 8, 1997.

“Sensitivity Tests on the Interdependence of Agro-Sectors and Key Sectors of Turkish Economy,” *Bilkent University*, Ankara, October 16, 1996. [joint work with and presented by N. Demir]

“An Analysis of the Effects of Changes in Saving Rates using Neoclassical CGE Models with Perfect Capital Mobility,” *Bilkent University*, Ankara, May 4, 1994.

“The Implications for US Agriculture of the Economic Imbalance with Japan: Some CGE Results,” *Ohio State University*, Columbus, OH, January 21, 1992.

“An Introductory Exercise in Computable General Equilibrium Modeling: The ‘Autarkia’ Model,” *Ohio State University*, Columbus, OH, December, 1989.

Other Invited Talks

“Opening Speech: 11th International Conference of the Middle East Economic Association (MEEA),” Alexandria, Egypt: 24-28 June 2012.

“Activation and Employment Support Policies” *IZA/Dünya Bankası/OECD Konferansı*, Bahçeşehir Üniversitesi, İstanbul: 30April-1 March, 2012.

“Closing Talk: İstihdam Yaratmayan Büyüme,” *Mezuniyetin İkramiyesi: Eğitimli İşsizlik Konferansı*, Anadolu University, Eskisehir, Turkey: April 27-28, 2012

“Key Players of the Turkish Economy: Small and Medium-sized Enterprises,” *Türkiye-Körfez İşbirliği Konseyi Ülkeleri 1. İş Forumu*, İstanbul: February 4-6, 2012.

“Türkiye’de Girişimcilik ve Girişimcilik Destekleri,” *Orta Karadeniz Kalkınma Ajansı Ulusal Girişimcilik Konferansı*, Samsun: October 11, 2011.

“Türkiye’de Girişimcilik ve Girişimcilik Destekleri,” *Üçüncü Uluslararası İstanbul İktisatçılar Zirvesi*, İstanbul: October 10-12, 2011.

“Türk ve Dünya Ekonomilerindeki Son Gelişmelerin Işığında Girişimcilik: Tehdit ve Fırsatlar,” *ABİGEM Uluslararası KOBİ Konferansı*, Ankara: May 3, 2010.

Other Invited Talks (Continued)

“Girişimcilikte E-kapasitenin Önemi,” *Habitat için Gençlik Ulusal E-Kapasite Geliştirme Zirve Toplantısı*, Ankara: March 9-10, 2010.

“Küreselleşme ve Bilgi Teknolojilerindeki Gelişmelerin İş Dünyası için İmaları ve Sonuçları,” *TEPAV Girişimcilik Enstitüsü Seminerleri*, Ankara: February 1, 2010 and March 2, 2009; Gaziantep: July 27, 2009; Bursa: June 29, 2009.

“Global Economic Crisis and the Turkish Economy: An Overview,” *‘Ekonomik Kriz Karşısında Türkiye Ekonomisi ve Sosyal Güvenlik Sistemi’ Konferans ve Basın Toplantısı*, İstanbul: January 21, 2009.

“Ekonomide Çıkış Yolları ve Reel Sektöre Yeni Açılımlar,” *İzmir Ticaret Odası ve İzmir Ekonomi Üniversitesi Ortak Panel ve Beyin Fırtınası Toplantısı*, İzmir: January 16-17, 2009.

“Krizle Mücadele Aracı Olarak Bilgi Teknolojileri,” *TEPAV Girişimcilik Enstitüsü Açılış Toplantısı*, Ankara: December 18, 2009.

“Opening Speech: Lizbon Süreci ve Türkiye,” *Lizbon Stratejisi’nin Yaygınlaştırılmasına Yönelik Kurumlararası İşbirliği ve Eğitim Projesi Yayın Konferansı: Türkiye Küresel Rekabet için Lizbon Gündeminin Neresinde?* Antalya: February 22, 2008.

“Opening Speech: Teknolojinin Yaygınlaşması ve Gelişmekte Olan Ülkeler,” *Global Economic Prospects 2008 Report Launch and Discussion*, Ankara: January 16, 2008.

“Opening Speech: Yolsuzluk ve Büyüme İlişisine Genel Bir Bakış,” *TEPAV Yerelleşme ve Yolsuzluk Konferansı*, Ankara: December 5-6, 2007.

“Turkish Economy in the Globalization Process: International Competitiveness and Growth,” *Training of Trainers Seminar of the Multi-Agency Cooperation for Training and Awareness Raising on the Lisbon Agenda*, Ankara: October 16-19, 2007.

“Opening Speech: Dünya Su Kaynaklarının Eşitsiz Dağılımına Bir Çözüm Aracı Olarak Uluslararası Ticaret?” *UNDP 2006 Human Development Report Launch Event*, Ankara: November 9, 2006.

“Workers’ Remittances and Business Cycles: Introductory Remarks,” *Global Economic Prospects 2006 Report Launch Event*, Ankara: January 27, 2006.

**Participation in Other Conferences/Workshops,
Round-Table/Panel Discussions, Brainstorming Sessions etc.**

“Mediterranean in Transition: Which Agenda for the Future?” the *Sixth Dialogue and Action Workshop organized by IEMed and Bertelsmann Foundation*, Barcelona, Spain: February 1, 2012.

“VET for Social Inclusion in the Western Balkans and Turkey: Towards Regional Actions,” *European Training Foundation*, Turin, Italy: December 12-13, 2011.

“Kıdem Tazminatı Fonu Çalıştayı,” *BETAM*, İstanbul: November 21, 2011.

Other Conference/Workshop Participation (Continued)

“Global Giriřimcilik Forumu” (TOBB, Endavor, MIT), İstanbul: November 15-17, 2011.

“Mesleki Görünüm Toplantısı ve Teknik Çalıştay” (ILO), Ankara: November 2, 2011.

CIGI’11 Conference: An Unfinished House—Filling the Gaps in International Governance (The Centre for International Governance Innovation/CIGI), Waterloo, Canada: October 28-30, 2011.

The 7th Bodrum Rountable (Ekonomik ve Dış Politika Arařtırmaları Merkezi/EDAM and Centre for European Reform/CER), Bodrum: October 15-16, 2011.

“Rountable Discussion: ‘The Implications of the Arap Spring for MENA Economies’,” the *Tenth International Conference of the Middle East Economic Association*, Barcelona, Spain: June 20-25, 2011.

‘*Türkiye’de Büyümenin Önündeki Engeller*’ Toplantısı (TÜSİAD), İstanbul: April 28, 2011.

TOBB and All World Network Turkey-25 Tanıtım Toplantısı, İstanbul: April 26, 2011.

Building more Effective Labour Market Policies and Institutions in Emerging Economies, (International Labor Organization-ILO), İstanbul: April 5, 2011.

25. *Asya Pasifik Ticaret ve Sanayi Odaları Konferansı* (TOBB and CACCI), İstanbul: March 6-9, 2011.

“Recent Trends in Foreign Trade of Turkey,” *26th Transatlantic Conference*, İstanbul: November 9-10, 2010.

TOBB Giriřimcilik Zirvesi, Ankara: November 7, 2010.

“Türk ve Dünya Ekonomilerindeki Son Geliřmelerin Işığında Giriřimcilik: Tehdit ve Fırsatlar (Entrepreneurship Trends in Light of the Recent Developments in the Turkish and the World Economies),” *ABİGEM International SME Conference*, Ankara: May 3, 2010.

“Giriřimcilikte E-kapasitenin Önemi (Significance of E-capacity for Entrepreneurship),” *Habitat için Gençlik Ulusal E-Kapasite Geliřtirme Zirve Toplantısı*, Ankara: March 9-10, 2010.

Ulusal İstihdam Stratejisi Çalıştay, Antalya: February 20-22, 2010.

‘*Brain Sail*’ on the *Economics of Integrity and Corruption*, Dead Sea Coast, Jordan: February 8-10, 2010.

“Küreselleşme ve Bilgi Teknolojilerindeki Geliřmelerin İş Dünyası için İmaları ve Sonuçları (Implications of Globalization and Advances in Information Technologies for the Business World),” *TEPAV Giriřimcilik Enstitüsü Seminerleri*, Ankara, February 1, 2010 and March 2, 2009; Gaziantep, July 27, 2009; Bursa: June 29, 2009.

“İzmir’de İşsizlikle Mücadele ve İstihdamı Artırmanın Yolları (Brainstorming Session on ‘Ways out of Recession for the Real Economy in İzmir’),” *İzmir Ticaret. Odası Panel ve Beyin Fırtınası Toplantısı*, İzmir: January 23-24, 2010.

Other Conference/Workshop Participation (Continued)

“Global Development Network Onbirinci Yıllık Konferansı”, Prague, Czech Republic: January 15-19, 2010.

Workshop on 'The Regional Impact of the Global Economic Crisis: Looking into the Black Sea Economies' (co-organized by the International Center for Black Sea Studies, the UNDP, Black Sea Trade and Investment Promotion Programme, the Black Sea Trade and Development Bank and the BSEC Business Council), Thessaloniki, Greece: December 4, 2009.

“‘Üniversite Nasıl Olmalı?’ Konuşmaları Serisi,” İstanbul Şehir University, İstanbul: May 8, 2009.

Dış Ekonomik İlişkiler Kurulu (DEİK) İndeksi Tanıtım ve Tartışma Toplantısı, İstanbul: March 10, 2009.

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