

Serdar SAYAN
Professor of Economics

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- ◇ **Date/Place of Birth:** 1964 / Bayramic, Turkey ◇ **Citizenship:** Turkey (*US Visa: G-4*)
- ◇ **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, Graduate School for Social Sciences, TOBB University of Economics and Technology, Ankara, Nov. 2006- Present.
 - Vice Dean, College of Economic and Administrative Sciences, TOBB University of Economics and Technology, Sept. 2006- Present.
 - Professor, Dept. of Economics, TOBB University of Economics and Technology, Aug. 2006- Present.
 - Advisor, Turkish Prime Ministry, Undersecretariat for Foreign Trade, Ankara, Sept. 2006- Present.
 - Adjunct Professor, Dept. of Ag., Env. and Development Economics, Ohio State University, Columbus, May 2005-Present.
 - 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, Ankara, 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, Ankara, 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.

◇ Awards, Honors and Recognitions

Awards for and Recognition of Research

- *Research Fellow* of the Economic Research Forum, the international network of economists carrying out policy-oriented research on the issues facing Middle Eastern and North African economies, November 2002-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.
- 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, July 2003 (to graduate students and professionals).
- “General Equilibrium Analysis,” EYS Summer School, Pamukkale University, Denizli, July 2002, July 2004, Sept. 2005 (to graduate students and academics).
- “Structure and Problems of Turkish Economy, ” Central Bank of Turkey Training Center, Ankara, February 2002 (to professionals).
- “Open Economy Macroeconomics and Foreign Exchange Markets,” Turkish Banking Association Training Centers, Izmir, June 1994; Ankara, January 1995 (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 Alparlan, 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, in progress.
- “İşçi Gelirleri ve Büyümedeki Çevrimler Arasındaki İlişki (Workers’ Remittances and Cyclical Fluctuations in Growth),” by Pınar Erdem-Yiğit, Central Bank of Turkey, November 2005.

Membership in Ph.D. Dissertation Committees

- Atila Bedir, Ph.D. Candidate, “Interindustry Trade and the Turkish Economy,” Ankara University, in progress.
- Berna Türkekul, Ph.D., “Short and Long Run Effects Macroeconomic Variables on the Turkish Agricultural Sector,” Ege University, graduated September 2004.
- Aykut Lenger, Ph.D., “Technological Capability and Economic Growth in Turkey,” Middle East Technical University, graduated July 2004.
- Ebru Voyvoda, Ph.D., “Alternatives in Debt Management: Investigation of Turkish Debt in an Overlapping Generations General Equilibrium Framework,” Bilkent University, graduated 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, graduated 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-Present.
- **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

Yapi Kredi Economic Review, September 2004-Present

Ekonomik Yaklaşım (Gazi University Press), June 2001-Present

Ege Academic Review, 2000-2003.

• **Member of the Advisory Board:**

Iktisat, Isletme ve Finans, March 1999-Present

• **Refereeing for Journals:**

Journal of Asian Economics; Bulletin of Economic Research; Canadian Journal of Economics; Journal of Development Economics; Journal of Economic Dynamics and Control; Economic Modelling; Emerging Markets Finance and Trade; Journal of International Economics; International Migration; International Review of Economics and Finance; Physica A; Quarterly Review of Economics and Finance; Review of Middle East Economics and Finance; Research in Middle East Economics; Scandinavian Journal of Economics; Bogazici Journal; Ege Academic Review; Iktisat, Isletme ve Finans; METU Studies in Development; TISK Akademi; Yapi 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.)

Routledge Volume on the Growth Performance of MENA Economies (edited by H. Pesaran and J. Nugent)

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 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

Executive Secretary (Jan. 2007-Present) and Board Member (Jan. 2004-Dec. 2006), *Middle East Economic Association*.

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

▪ Other Committee and Board Memberships

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

- *Winter Meetings of the Middle East Economic Association*, 2006-Present.
- *The Eighth International Conference of the Middle East Economic Association*, Nice, France and Monte Carlo, Monaco: March 18-20, 2009.
- *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 Mugla University and the Turkish Central Bank), Mugla, 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 Social Security Reform in Turkey for the 9th Five Year 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. 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.

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

PUBLICATIONS AND PRESENTATIONS

PUBLICATIONS

Refereed Articles in Scholarly Periodicals

Refereed Articles in English:

C. Bora Durdu and S. Sayan, "Emerging Market Business Cycles with Remittance Fluctuations," *IMF Staff Papers*, forthcoming.

S. Sayan and A. Tekin-Koru, "Remittances, Business Cycles and Poverty: The Recent Turkish Experience," *International Migration*, forthcoming.

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 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 its Alternatives)," *Karia*, Vol. 1, No. 1, 2005. pp. 39-71.

Z. Kotan and S. Sayan, "Türk İhrac 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 Populizm 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 and A. Tekin-Koru, “Business Cycles and Remittances: A Comparison of the Cases of Turkish Workers in Germany and Mexican Workers in the US,” in R. Lucas, L. Squire and T. Srinivasan (eds.), *The Impact of Rich Country Policies on Developing Economies*, London: Edward Elgar, *forthcoming*.

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: Routledge, forthcoming.

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, *Kıdem Tazminatı: Yükümlülükler, Beklentiler, Sorunlar ve Fon Esaslı Çözüm Önerileri Üzerine Nicel Bir Değerlendirme (Severance Payment Regime in Turkey: A Quantitative Analysis of Expectations, Problems and Funding Alternatives)*, Istanbul: TUSIAD, forthcoming.

F. Adaman, A. Carkoglu, R. Erzan, A. Filiztekin, B. Ozkaynak, S. Sayan and S. Ulgen, *The Social Dimension in Selected Candidate Countries in the Balkans: Country Report on Turkey*, ENEPRI (European Network of Economic Policy Research Institutes) Report No. 41 (Balkandide) , Brussels: ENEPRI, 2007. (74p.) (Available at http://shop.ceps.eu/BookDetail.php?item_id=1606&)

Y. Alper, S. Imrohorglu and S. Sayan, *Türk Emeklilik Sisteminde Reform: Mevcut Durum ve Alternatif Stratejiler (Reform in the Turkish Pension System: The Present Situation and Alternative Strategies Ahead)*, Istanbul: TUSIAD, 2004. (184 p.)

S. Sayan, S. Elci and H. Avci, *Factors and Impacts in the Information Society – A Prospective Analysis in the Candidate Countries: Report on Turkey*, Sevilla: IPTS, 2004. (198 p.)

C. Abay, S. Sayan, B. Miran and A. Bayaner, *Türkiye'deki Tarımsal Destek Harcamalarının Enflasyonist Etkilerinin Ekonometrik Analizi (An Econometric Investigation into the Inflationary Effects of Agricultural Support Spending in Turkey)*, Ankara: Agricultural Economics Research Institute of Turkey, 2001. (63p.)

Papers in Conference Proceedings Volumes

S. Sayan, "Trade and Labor Flows between Countries with Young and Aging Populations," in R. Neck (ed.), *Modeling and Control in Economic Systems 2001*, Amsterdam: Elsevier Science, 2003, pp. 163-168.

S. Sayan, "Sanayi, Tarım ve Bankacılıkta Rekabet: Değerlendirme (Degree of Competition in Turkish Manufacturing, Agriculture and Banking: An Evaluation)," *Ekonomik Yaklaşım* (Special Issue: Proceedings of the Conference on 'Competition in Turkey'), Vol.14, No.47, 2003. pp. 122-126.

S. Sayan and T. Kenc, "Demographic Transition and Pension Policies: An Overlapping Generations, General Equilibrium Analysis for Turkey," in *Proceedings of the Fifth Annual Conference of the ERF* (Gammarth, Tunisia, Aug. 31-Sept. 2, 1998), Cairo: ERF, 1999, pp. 248-270.

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

Articles Published Elsewhere

"Baş Editörden: UEDTP Üç Yaşında," *Uluslararası Ekonomi ve Dış Ticaret Politikaları*, Vol. 3, No. 1-2, 2008, pp. 1-6.

"Overlapping Generations Model," in W.A. Darity, Jr. (Ed.), *International Encyclopedia of Social Sciences*, Vol. 6, 2nd ed., MacMillan Reference USA, 2008, pp. 92-94.

"Yürürlükteki Kıdem Tazminatı Düzeninin Sağladığı, Sadece Kayıtlı Olarak Çalışan Nispeten Küçük Bir Kesime Yönelik *Potansiyel* Bir Korumadan İbaredir," *ASO Medya*, March/April 2008, pp. 52-54.

"Sosyal Güvenlik Reformunda Son Durum: Bir Değerlendirme," *TİSK İşveren*, Vol. 46, No. 4, 2008, pp. 68-69.

"Yaşlanmanın Küreselleşmesi," *Dünya* (Turkish Daily Newspaper), January 30, 2008. (Op-ed column)

"Baş Editörün Sunuşu (Introduction by the Editor in Chief)," *Uluslararası Ekonomi ve Dış Ticaret Politikaları*, Vol. 1, No. 2, Spring 2007, pp. 1-2.

"*Uluslararası Ekonomi ve Dış Ticaret Politikaları* Çıkarken (Editorial Introduction to the Inaugural Issue)," *Uluslararası Ekonomi ve Dış Ticaret Politikaları*, Vol. 1, No. 1, Fall 2006, pp. 1-2.

"Empirics of Corruption and Crime: Symposium Editor's Introduction," *Journal of Economics and Finance*, Vol. 30, No. 2, 2006, pp. 205-207.

"Türk Emeklilik Sisteminde Reform: Nedenler ve Beklentiler (The Need for Reform in the Turkish Pension System: Reasons and Expectations)," *ASO Medya*, July 2006.

"Business Cycle Characteristics and Transmission of Crises in a Globalized Economy: The Case of MENA and Europe—Guest Editors' Introduction," *Emerging Markets Finance and Trade*, Vol. 40, No. 6, 2004, pp. 3-6. (with M.A. Kose)

"Globalization of Old Age," *The Namibian* (Namibian Daily Newspaper), January 9, 2003. (Op-ed column)

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“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]

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Seminars (Continued)

“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 $2 \times 2 \times 2 \times 2$ Dynamic Model under Population Growth Rate Differentials,” *West Virginia University*, Morgantown, USA, January 8, 2003.

“Dynamic Heckscher-Ohlin Results from a $2 \times 2 \times 2 \times 2$ OLG Model when Populations Grow at Differing Speeds,” *Bogazici University* and *Sabancı 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.

“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.

Seminars (Continued)

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

Opening/Introductory Talks

“Lizbon Süreci ve Türkiye (Lisbon Process and Turkey),” *Lizbon Stratejisi’nin Yaygınlaştırılmasına Yönelik Kurumlararası İşbirliği ve Eğitim Projesi Yayın Konferansı: Türkiye Küresel Rekabet için Lizbon Gündeminin Neresinde?* Antalya, February 22, 2008.

“Açış Konuşması: Teknolojinin Yaygınlaşması ve Gelişmekte Olan Ülkeler (The Diffusion of Technology and Developing Countries: Introductory Remarks),” *Global Economic Prospects 2008 Report Launch and Discussion*, Ankara, January 16, 2008.

“Açış Konuşması: Yolsuzluk ve Büyüme İlişkisine Genel Bir Bakış (Opening Remarks: An Overview of Corruption-Growth Linkages),” *TEPAV Yerelleşme ve Yolsuzluk Konferansı*, Ankara, December 5-6, 2007.

“Açış Konuşması: Dünya Su Kaynaklarının Eşitsiz Dağılımına Bir Çözüm Aracı Olarak Uluslararası Ticaret ? (Opening Talk: International Trade Uluslararası Ticaret – A Solution to Uneven Distribution of Global Water Resources?),” *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.