

July, 2023

CURRICULUM VITAE

Title, Name, Last Name : Professor Dr., Osman Zaim

1. PERSONAL DATA

- 1.1 Birth date and place: April, 8th 1957, Istanbul
1.2 Address : Department of International Trade and Finance
Beykoz University, Kavacık Mahallesi
Orhan Veli Kanık Caddesi No:114, 34810
Beykoz/İstanbul
- 1.3 Phone :
- 1.4 E-mail : osmanzihnizaim@beykoz.edu.tr

2. ACADEMIC DEGREES

- 2.1 Professor Economics, Beykoz University, October, 2023
2.2 Professor Economics, Kadir Has University, September 2010
2.3 Associate Professor Economics, Bilkent University, February 2001
2.4 Assistant Professor Economics, Bilkent University, 1989
2.5 Ph.D. Economics, Washington State University, 1989
2.6 M.A. Economics, Washington State University, 1988.
2.7 M.S. Management Engineering, Technical University of Istanbul, 1984.
2.8. B.S. Management Engineering, Technical University of Istanbul, 1982.

3. EMPLOYMENT HISTORY

- 3.1 10/2023- Professor of Economics, Department of International Trade and Finance, Beykoz University
3.2 9/2010-9/2022 Professor of Economics, Department of Economics, Kadir Has University
3.2 9/2007-8/2010 Associate Professor of Economics, Department of Economics, Bilkent University
3.3 3/2004-9/2007 Chief Technical Advisor, International Labor Organization, United Nations (with official on leave from Bilkent University)
3.4 2/2001-3/2004 Associate Professor, Department of Economics, Bilkent University
3.5 9/2000-2/2001 Assistant Professor, Department of Economics, Bilkent University

- 3.6 2/2000-9/2000 Visiting Professor, Department of Economics, Oregon State University. (Sabbatical leave)
- 3.7 8/1989-2/2000 Assistant Professor, Bilkent University, Dept. of Econ.
- 3.8 8/1986-7/1989 Teaching Assistant, Washington State University, Dept. of Economics.
- 3.9 10/82-7/1984 Research Assistant, Technical University of Istanbul, Faculty of Management Engineering.

4. PROFESSIONAL AWARDS

- 4.1 Recipient of Fulbright Ph.D. Research Scholar, July 1985-August 1986.

5. HONORS, SCHOLARLY and PROFESSIONAL DUTIES and ACHIEVEMENTS

- 5.1 Manuscript Reviewer of Applied Financial Economics, 1995-present
- 5.2 Manuscript Reviewer of METU Studies in Development, 1992-present
- 5.3 Manuscript Reviewer of Journal of Productivity Analysis
- 5.4 Reviewer for **Book of Essays in Honor of Charnes Cooper**, Ray S. C., Bogetoft P., and Pastor J., (eds)
- 5.4 Manuscript Reviewer of Journal of Environmental Economics and Management
- 5.5 Manuscript Reviewer of European Journal of Operations Research
- 5.6 Manuscript Reviewer of Journal of Environmental Management
- 5.7 Manuscript Reviewer of Journal Comparative Economics
- 5.8 Manuscript Reviewer of Energy Economics
- 5.9 Manuscript Reviewer Ecological Economics
- 5.10 Manuscript Reviewer European Journal of Operational Research

6 MEMBERSHIP

- 6.1 American Economic Association
- 6.2 European Economic Association
- 6.3 Econometric Society
- 6.4 Middle Eastern Economic Association

7 INVITED LECTURES and INVITED TALKS

- 7.1 “Judicial efficiency in EU countries: A dynamic network model approach”, European Workshop on Efficiency and Productivity EWEPA XVI, London, 10-13 June 2019
- 7.2 “Efficiency Performance of U.S States: A Meta-Frontier Directional Distance Function Approach” . North American productivity Workshop X, June 12-15 20018, University of Miami
- 7.3 “Measuring Energy Intensity in U.S Manufacturing: A New Approach”, 15th International Conference on Data Envelopment Analysis, June 26-29 2017, University of Economics, Prague.

- 7.4 “The Impact of health Sector reform on the Efficiency and Productivity of Public and Private Hospitals in Turkey” XI European Workshop on Efficiency and Productivity, June 23-26 2009, Pisa, Italy.
- 7.5 “Productivity Growth in US Sub-manufacturing Industries in the Presence of Bad Outputs”, VIII European Workshop on Efficiency and Productivity, Oviedo, Spain, September 25-27 2003.
- 7.6 “To what extent is the efficiency of public health expenditure determined by the status of health”(with S. Grosskopf, and S. Self), WIDER Conference on Inequality, Poverty and Human Well-Being, Helsinki, Finland, May 30-31, 2003.
- 7.7 “A Framework for Incorporating Environmental Indicators to the Measurement of Human Well-Being” WIDER Conference on Inequality, Poverty and Human Well-Being, Helsinki, Finland, May 30-31, 2003.
- 7.8 “A Framework for Incorporating Environmental Indicators to the Measurement of Human Well-Being” , EURO/INFORMS Joint International Meeting, Istanbul, Turkey, July 6-10, 2003.
- 7.9 “Measuring environmental performance of state manufacturing through changes in pollution intensities: A DEA framework” Second North American Productivity Workshop, Union College, Schenectady , NewYork, June 20-25 2002.
- 7.10 “Accounting For Bads In The Measurement Of Productivity Growth: A Cost Indirect Malmquist Productivity Measure And Its Application To U.S Agriculture” (with E. Ball, R. Färe, S. Grosskopf , and R. Nehring) Seventh European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, September, 25-29 2001.
- 7.11 “An Economic Approach to Achievement and Improvement Indexes” (with R. Färe, S. Grosskopf) Seventh European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, September, 25-29 2001.
- 7.12 “Social Indicators of Development in the MENA Region”(with B. Yoruk), International Conference on Global Change and Regional Integration: The Redrawing of Economic Boundaries in the Middle East and North Africa, The School of Oriental and African Studies, University of London, 20-22 July 2001
- 7.13 “Environmental Efficiency and Non-parametric Models” Guest-Lecturer at SEM/PRODUCTIVITY ANALYSIS, Department, of Economics, Oregon State University, February 2000.
- 7.14 “A Comparison of Competing Techniques for Frontier Estimation using Panel data: An Application on Turkish Manufacturing Industry” (with P.Kale) North American Productivity Workshop, Union College, Schenectady, New York, June 2000.
- 7.15 “Development Strategy and Bias in Technological Change” (with F.Taskin) International Trade and Finance Association Meeting (Under ASSA Meetings), Boston, January 2000.

- 7.16 "The Role of Development Strategy and Bias in Technological Change" (with F. Taskin) ERC/METU International Conference in Economics III, September 8-11 1999, Ankara, Turkey.
- 7.17 "Analysis of Export Growth at a Sectoral Level: The Turkish Case" (with F. Taskin) ERC/METU International Conference in Economics III, September 8-11 1999, Ankara, Turkey.
- 7.18 "Environmental Efficiency in Agriculture", (with F. Taskin) Third Biennial Georgia Productivity Workshop, October 29-31, 1998, Athens, Georgia, USA.
- 7.19 "Kuznets Curve in Environmental Efficiency: A Kernel Estimation Approach" (with F. Taskin) Third Biennial Georgia Productivity Workshop, October 29-31, 1998, Athens, Georgia, USA.
- 7.20 "The Role of International Trade on Environmental Efficiency", (with F. Taskin), **ITFA Meeting**, Chicago 1998.
- 7.21 "Technical Change and Efficiency Change in Outward Oriented Trade Regimes" (with F. Taskin), **ITFA Meeting**, New Orleans 1997.
- 7.22 "The Comparative Performance of the Public Enterprise Sector in Turkey: An Intertemporal Analysis Using Parametric and Non-Parametric Production Frontiers", **MEEA Meeting**, New Orleans, January 1997.
- 7.23 "What Explains the Environmental Kuznets Curve? The Analysis of Environmental Efficiency" (with F. Taskin), **ESEM 97**, Toulouse, France, August 27-30, 1997.
- 7.24 "Environmental Efficiency in Carbon Dioxide Emmissions in the OECD: A Nonparametric Approach" (with F. Taskin), METU Conference on Economics, Ankara, September 18-20, 1997.
- 7.25 "Convergence in Output,: Middle Eastern Countries versus the Rest of the World" (with F. Taskin), **Third National Econometrics and Statistics Symposium**, Bursa, May 29-30 1997.
- 7.26 "Exchange Rate Forecasting: An Application of Cointegration Techniques" (with F. Taskin), **Third National Econometrics and Statistics Symposium**, Bursa, May 29-30 1997.
- 7.27 "Efficiency in Turkish and European Agriculture: Trend and Coparative Analysis", (with Erol Cakmak), State Institute of Statistics, Seminar on Employment in Agriculture, Ankara, October 7-8, 1997.
- 7.28 "Land and Labor Productivity in Turkish Agriculture", (with Erol Cakmak), State Institute of Statistics, Seminar on Employment in Agriculture, Ankara, October 7-8, 1997.
- 7.29 "The Public Enterprise Sector in Turkey: Its Relative Performance and productivity Growth" Seminer at Koc University, April 1996.

- 7.30 Seminar at Koc University, April 1996. Presentation of the paper titled "Productivity Convergence, Technical Progress and Outward-Oriented Trade Regimes" (a joint paper with F.Taskin)
- 7.31 "An Analysis of Environmental Performance of the OECD Countries: An Application of Nonparametric Techniques" (with F. Taskin), **Georgia Productivity Workshop**, Georgia, USA, November 1-3, 1996.
- 7.32 "The Comparative Performance of the Public Sector in Turkey" (with F. Taskin), **New England Conference on Efficiency and Productivity**, Armidale, Australia, November 1995.
- 7.33 "The Public Enterprise Sector in Turkey: Its Relative Performance and Productivity Growth" (with F. Taskin), Workshop On The Changing Size and Role of The State-Owned Enterprise Sector, **Economic Research Forum for the Arab Countries, Iran and Turkey**, Amman, Jordan, May 1996.
- 7.34 "The Causal Link Between Technical Efficiency and Export Performance: An Exploratory Analysis of the Turkish Manufacturing Industry" **European Economic Association, Eleventh Annual Congress**, Istanbul-Turkey, August 21-24 1996.
- 7.35 "The Impact of Technological Progress and Technical Efficiency On The Export Performance of Turkish Manufacturing Industry", **MEEA Meeting**, San Francisco, January 1996.
- 7.36 "Productivity Convergence, Technical Progress and Outward-Oriented Trade Regimes" (with F. Taskin), **New England Conference on Efficiency and Productivity**, Armidale, Australia, November 1995.
- 7.37 "Türk Otomotiv Endüstrisinde Üretim Artışının Kaynakları ve Teknolojik İlerleme"(with F. Taskin), **Second National Econometrics and Statistics Symposium**, Izmir, June 1-2, 1995.
- 7.38 "The Effect of Financial Liberalization on the Efficiency of Turkish commercial Banks", **Development of Financial Markets in the Arab Countries, Iran and Turkey, A workshop organized by ERF**, Beirut, Lebanon, 15-16 July 1994
- 7.39 "The Impact of Financial Liberalization on Technical Change: A Case Study on the Turkish Banking Sector, **MEEA Meeting**, Boston, Ma, U.S.A. January 1994."
- 7.40 "Cost and Technical Efficiency of Turkish Banks: A Nonparametric Approach to Efficiency Measurement,"**MEEA Meeting**, Anaheim, California, U.S.A. January 1993.
- 7.41 "Efficiency in Turkish Cement Industry: Public vs. Private Enterprise," (with E. Cakmak) **MEEA Meeting**, New Orleans, U.S.A. January 1992.
- 7.42 "The Comparative Efficiency of Public and Private Enterprise in Turkey: The Cement Industry," (with E. cakmak) **CIRIEC Conference**, Liege, Belgium, April 4-5, 1991.
- 7.43 "Using a Stochastic Production Frontier to Test the Relative Efficiency of Sharecroppers," **ASSET Meeting**, Bilbao, Spain, November 15-17, 1990.

8 TEACHING

1. Graduate Courses:

ECON 571 Fiscal Economics I
ECON 572 Fiscal Economics II
Macro-econometric Models for the Turkish Economy (Ankara University. Faculty of Political Sciences)

2. Undergraduate Courses:

ECON 101 Introduction to Economics I
ECON 102 Introduction to Economics II
ECON 301 Econometrics I
ECON 302 Econometrics II
ECON 351 Fiscal Economics I
ECON 352 Fiscal Economics II
ECON 426 Applied Economic Analysis
ECON 203 Microeconomic Theory

8.1 Independent Study Supervised:

- 8.1.1 Baris Yoruk
- 8.1.2 Evrim Aydin

9 GRADUATE STUDENT SUPERVISION

9.1 Served as main supervisor

- 9.1.1 Tuğçe Uygurtürk Gazel , Ph.D “Input Substitutability, Energy Intensity and Efficiency in US Agriculture”, Completed October 2014.
- 9.1.2 Abdülhakim Diko, Ph.D “ Türk bankacılık sektöründe net faiz marjı belirleyicilerin tespit edilmesi ve etkinlik analizi” Completed, November 2017.
- 9.1.3 Pelin Kale, Ph. D, “ Three Essays on Technical Efficiency in Turkish Manufacturing Industries”, Completed March 2001
- 9.1.4 Baris Yoruk, M.A., “On the Measurement of Productivity and Environmental Efficiency in the Presence of Joint Production of Goods and Bads: An Application to OECD Countries”, Completed, June 2003.
- 9.1.5 Pelin Kale, M.A., "Application of Cointegration Analysis to the Demand for Labor by the Turkish Private Manufacturing Sector", Completed, February 1995.
- 9.1.6 Özlem Onaran, M.A., "The Effect of Taxes on Distribution of Income In Turkey", Completed, May 1994.

- 9.1.7 Elif Çoban, M.A., "Efficiency in Turkish Commercial Banking Sector", Completed, June 1993.

9.2 Served as committee member

- 9.2.1 Seda Meyveci, M.A., "The Impact of Environmental Efficiency on Bilateral Trade: A panel data Estimation of Gravity Model", Completed January 2009.
- 9.2.2 Sergey Doun, M.A., "Approximation of the Stochastic Production Frontier Using Artificial Neural Networks", Completed, September 2002
- 9.2.3 Zafer Akin M.A., "Budgetary Efficiency in Turkey? Local-Central Government Relations From the Perspective of Fiscal Federalism", Completed June 2001
- 9.2.4 Sidika Basci, Ph. D, "Computer Intensive Techniques for Model Selection" (served as Ph.D thesis committee member), graduation May, 1998.
- 10.2.2 Mahmut Ilerisoy, M. A, "Real Money Balances in Production Function" (served as M.A thesis committee member), graduation September, 1998.
- 10.2.3 Murat Ali Yulek, Ph.D, " Financial Liberalization and the Real Economy in Developing Countries: The Turkish Experience", (period of supervision one year), Completed, December 27 1996.
- 9.2.4 Salah Jelassi , Masters Thesis, "Why are Reforms Non-Sustained?: A Case Study of Turkey" (period of supervision 4 months), Graduation date: September 1996.
- 9.2.5 Cüneyt Altan Erigüç, M.A., "Application of Spectral and Cross Spectral Analysis To Istanbul Stock Exchange Market", Completed, September 1995.
- 9.2.6 Tolga Ünal, MA., "GARCH Models and an Application to Stock return Volatility with the Effect of Daily Trading Volume in Istanbul Securities Exchange", Completed, September 1995.
- 9.2.7 Güliz Ercoskun, M.A., "An Application of seasonal Cointegration and Error Correction Models on Monthly Data", Completed, July 1995.
- 9.2.8 Ayse Böke, M.A., "Decomposition of Total Public and Private Output Growth of Manufacturing Sectors of Turkey Between 1970-1991" Completed, September 1995
- 9.2.9 Oya Celasun, M.A., "An Analysis of The Sources of Import Growth In Turkey 1985-90", Completed, July 1995.

- 9.2.10 Sidika Başçı, M.A., "Detecting Structural Change When the Change Point is Unkown", Completed, May 1995.
- 9.2.11 Metin Çelebi, M.A., "Estimation of Trade Creating and Diverting Effects of Turkey-EC Customs Union On Turkish Automotive Industry", Completed July 1995.
- 9.2.12 Behrooz Samin, M.A., " Value Added Productivity Analysis", Completed, January 1994.
- 9.2.13 Emre Özdenören, M.A., "Implementation of Johansen Procedure in the Estimation of Demand for M1 and M2 with Turkish Data", Completed, June 1994.
- 9.2.14 Tan Tarkan Kadioglu, MA., "A Simulatýon of Water Call Option Prices", Completed, June 1994.
- 9.2.15 Kerem Tomak, M.A., "Evaluation of the Golgfeld-Quandt Test and Alternatives", Completed, June 1994.
- 9.2.16 Murat Sever, M.A., "Efficient Ownership Patterns: Three Examples", Completed", August 1994.
- 9.2.17 Ebru Çalisir, M.A., "The Term Structure of Interest Rates in Turkey", Completed, September 1993.

10 SCHOLARLY PUBLICATIONS

10.1 Ph.D Dissertation:

12.1.1. “Using a Stochastic Production Frontier to Test the relative Efficiency of Share Croppers”, August 1989, William Hallagan, Washington State University, Department of Economics.

10.2 Published Books

- 10.2.1 “Efficiency In Turkish Banking: Historical Developments and Quantitative Analysis” (in Turkish) Isletme ve Finans Yayinlari No:3, Unal Offset, Ankara 1996, 120 pages, **Ertugrul, -Ahmet; Zaim, -Osman.**
- 10.2.2 New Directions: Efficiency and Productivity, R. Fare, S. Grosskopf, H. Fukuyama, W.F Lee, W. Weber and O. Zaim, Kluwer Academic Publishers (2003).

10.3 Edited Books, anthologies, bibliographies

10.3.1 -----

10.4 Chapters in books or monographs

- 10.4.1 “A Framework for Incorporating Environmental Indicators to the Measurement of Human Well-Being” in **Inequality, Poverty and Well-being**, (Edited by Mark McGillivray), Chapter 10, pp. 194-207, Palgrave Macmillan, 2006, **O. Zaim**.
- 10.4.2 “An Environmental Kuznets curve for the OECD Countries,” **New Directions: Efficiency and Productivity**, R. Fare, S. Grosskopf , pp. 79-90, Kluwer Academic Publishers (2003), **R. Fare, S. Grosskopf, O. Zaim**.
- 10.4.3 “The Effect of Financial Liberalization on the Efficiency of Turkish Commercial Banks”, Applied Financial Economics, 1995, 5, pp 257-264. Reprinted in **The Regulation and Supervision of Banks**, M. J. B. Hall (eds.), Edward Elgar Publishing, 2001, **Zaim,-Osman**.
- 10.4.4 “The Black Sea Economic Cooperation Project” in **The Political Economy of Turkey in the Post-Soviet Era: Going West and Looking East**, L. Rittenberg (eds.), Greenwood Publishing, 1998, **Sayan, -Serdar; Zaim,-Osman**.
- 10.4.5 “The Relative Efficiency of the Public Manufacturing Industry in Turkey: An intertemporal analysis using Parametric and Nonparametric production frontiers” in **State Owned Enterprises in the Middle East and North Africa**, (Eddited by M. Celasun), Routledge, London, 2001, **Zaim,-Osman; Taskin,-Fatma**.
- 10.4.6 “Fiscal Policy in Turkey and Transition Economies of Europe” in **Turkey, Central and Eastern European Countries and European Union**, (eddited by S. Togan and V. N. Balasubramanyam), Macmillan Press, 2001, **Ulugbay, -Hikmet; Zaim, -Osman**.
- 10.4.7 “The Effect of Financial Liberalization on the Efficiency of Turkish Commercial Banks”, in **Development of Financial Markets in the Arab Countries, Iran and Turkey** (Edited by Heba Handoussa), ERF Publication Services, Egypt, pp 63-79, 1995, **Zaim,-Osman**.

10.5 Reviews

10.5.1 -----

10.6 Articles in refereed journals

- 10.6.1 “Overcoming the Shortcomings of Energy Intensity Index: A Directional Technology Distance Function Approach”, **Energy Efficiency**, Volume: 11 Issue: 3 Pages: 559-575, March 2018, **O. Zaim, T.U. Gazel**
- 10.6.2 “Measuring Energy Intensity in Japan: A New Method”, **European Journal of Operational Research**, vol. 258 Issue: 2 Pages: 778-789 Apr. 2017, **O. Zaim, T.U. Gazel, A.K. Akkemik**

- 10.6.3 “International Regulations and Environmental Performance”, **Applied Economics**, April-May 2008, v. 40, iss. 7-9, pp. 807-22, **B. Yörük, O. Zaim**
- 10.6.4 “Estimating the Efficiency of the System of Healthcare Financing in Achieving Better Health” **Applied Economics**, vol. 38, pp.1477-1488, 2006, **S. Self, S. Grosskopf, O. Zaim**.
- 10.6.5 “Productivity Growth in OECD Countries: A Comparison With Malmquist Productivity Indexes,” **Journal of Comparative Economics**, vol 33, pp.401-420, 2005, **B. Yörük, O. Zaim**.
- 10.6.6 “Accounting For Externalities in The Measurement Of Productivity Growth: The Malmquist Cost Productivity Measure,” **Structural Change and Economic Dynamics**, vol. 16, pp.374-394, 2005, **E. Ball, R. Fare, S. Grosskopf, O. Zaim**.
- 10.6.7 “The Kuznets Curve And The Effect of International Regulations on Environmental Efficiency”, **Economics Bulletin**, Vol. 17, No. 1 pp. 1-7, 2006, **B. Yörük, O. Zaim**.
- 10.6.8 “Measuring Environmental Performance of State Manufacturing Through Changes In Pollution Intensities: A DEA Framework,” **Ecological Economics**, vol. 48, pp. 37-47, 2004, **O. Zaim**.
- 10.6.9 “Measuring the Quality of Life in European Union: The Case of Turkey as a Candidate Country”, **International Journal of Social Economics**, v. 30, iss. 11-12, pp. 1162-76, 2003, **B. Yörük, O. Zaim**.
- 10.6.10 “Hyperbolic Efficiency and Return to the Dollar”, **European Journal of Operational Research**, 136 (3), pp. 671-679, 2002, **Fare, -Rolf; Grosskopf, -Shawna and Zaim, -Osman**.
- 10.6.11 “An Economic Approach To Achievement and Improvement Indexes” **Social Indicators Research**, 56, pp.91-118, October 2001, **Zaim, -Osman; Fare, -Rolf and Grosskopf, -Shawna**.
- 10.6.12 “The Role of International Trade on Environmental Efficiency”, **Economic Modelling**, 18, pp. 1-17, 2001, **Taskin,-Fatma; Zaim,-Osman**.
- 10.6.13 “The Sources of Productivity Growth in the Agricultural Sector of Pakistan”, **Journal of Quantitative Economics**, 16, pp.37-44, July 2001, **Mahmud, -Syed; Zaim, -Osman**.
- 10.6.14 “Development Strategy and Bias in Technological Change”, **Global Economy Quarterly**, v. 1, iss. 2, pp. 191-204, April-June 2000, **Taskin, Fatma; Zaim, Osman**.
- 10.6.15 “A Kuznets Curve in Environmental Efficiency: An Application on OECD Countries”, **Environmental and Resource Economics**, 7, pp. 21-36, 2000, **Zaim,-Osman; Taskin,-Fatma**.

- 10.6.16 “Environmental Efficiency in Carbon Dioxide Emissions in the OECD: A Non-parametric Approach” **Journal of Environmental Management**, 58, pp. 95-107, 2000, **Zaim,-Osman; Taskin,-Fatma..**
- 10.6.17 “Searching for a Kuznets Curve in Environmental Efficiency Using Kernel Estimation”, **Economic Letters**, 68, pp. 217-223, 2000, **Taskin,-Fatma; Zaim,-Osman.**
- 10.6.18 “Economic Crises And Efficiency In Turkish Banking Industry”, **METU Studies in Development**, 26(1-2), pp 99-116, 1999, **Ertugrul, -Ahmet; Zaim, -Osman.**
- 10.6.19 “The Comparative Performance of the Public Enterprise Sector in Turkey: A Malmquist Productivity Index Approach”, **Journal of Comparative Economics**, 25(2), 1997, **Zaim,-Osman; Taskin,-Fatma.**
- 10.6.20 “Catching-up and Innovation in High and Low Income Countries”, **Economics Letters**, 54(1), pp 93-99, January 1997, **Taskin,-Fatma; Zaim,-Osman.**
- 10.6.21 “The Rural Economy Under Structural Adjustment and Financial Liberalization: Results of a Macro-Integrated Agricultural Sector Model for Turkey”, **Canadian Journal of Development Studies**, 17(3), pp 427-447, 1996, **Cakmak,-Erol; Yeldan,-Erinc; Zaim,-Osman.**
- 10.6.22 “The Effect of Financial Liberalization on the Efficiency of Turkish Commercial Banks”, **Applied Financial Economics**, pp 257-264, 1995, **Zaim,-Osman.**
- 10.6.23 “Privatization and Comparative Efficiency of Public and Private Enterprises in Turkey: The Cement Industry”, **Annals of Public and Cooperative Economics**, 63(2), 271-284, 1992, **Cakmak,-Erol; Zaim,-Osman,.**
- 10.6.24 “Cost Structure of Turkish Private Banking Industry: A GL Restricted Cost Function Approach”, **METU Studies in Development**, 25(3), 435-446, 1998, **Zaim,-Osman; Mahmud, -Syed.**
- 10.6.25 “Technical Efficiency of Turkish Agriculture,” **METU Studies in Development**, 19(3) 305-316, (in Turkish), 1992, **Cakmak,-Erol; Zaim,-Osman.**
- 10.6.26 “Comparative Efficiency of Public and Private Enterprises: An Application of Data Envelopment Analysis on Turkish Cement Industry,” **METU Studies in Development**, 18(4), 441-451 (in Turkish) 1991, **Cakmak,-Erol; Zaim,-Osman.**
- 10.6.27 “Financial Liberalization and Efficiency in the Banking Sector”, **Iktisat Isletme ve Finans**, 88, (in Turkish), 1993, **Zaim, -Osman**

10.7 Other publications including translations, research notes, limited circulation reports etc

10.7.1 “A Framework for Incorporating Environmental Indicators to the Measurement of Human Well-Being”, United Nations University, WIDER (World Institute for Development Economics Research)# Research Paper No 2005/5, 2005, **O. Zaim**

10.7.2 “Efficiency in Turkish and European Agriculture: Trend and Comparative Analysis” in *Agricultural Structure and Employment in Turkey*, Tuncay Bulutay eds., p. 353-378, SIS 1998, **O. Zaim, E. Cakmak**

10.7.3 “Labor and Land Productivity in Turkish Agriculture”, in *Agricultural Structure and Employment in Turkey*, Tuncay Bulutay eds., p. 323-3352, SIS 1998, **O. Zaim, E. Cakmak**

10.7.4 "The Effect of Turkish Structural Stabilization Policies on the Agricultural Sector : Prices, Income Distribution and Agricultural Development," (in Turkish) Discussion Paper presented to Turkish Union of Chambers of Farmers, February 1993, **O. Zaim E. Çakmak and E. Yeldan**.

10.7.5 "Review of VAT System In Turkey: Legal Administrative And Economic Aspects," A Research Report Submitted to Pakistan Tax Reform Commission, March 1993, **O. Zaim S. Chisti and S. Mahmud**.

10.7.6 "An Index Number Approach to Measuring Environmental Performance: An Environmental Kuznets Curve for the OECD Countries", Working Paper, Department of Economics, Oregon State University, 2000, **O. Zaim, Rolf Fare and Shawna Grosskopf**.

10.8 Refereed proceedings

10.8.1 “The Role of International Trade on Environmental Efficiency: A Nonparametric Approach” (with F. Taskin), in **1998 Contemporary Working Papers in International Trade and Finance**, Alfred E. Ecler (eds.), ch12, pp 269-292.

10.8.2 “Technical Change and Efficiency Change in Outward Oriented Trade Regimes” (with F. Taskin), in **1997 Contemporary Working Papers in International Trade and Finance**, Alfred E. Ecler (eds.), ch12, pp 231-257.

10.8.3 “The Sources of Output Growth and Technical Change in Turkish Automotive Industry” (with F. Taskin) **Ninth World Productivity Congress Proceedings**, Istanbul, June 4-7, 1995 Vol I, p.584-598.

10.8.4 “Efficiency in Cement Industry and Turkish Agriculture” (with E. Çakmak) **3rd Izmir Congress on Turkish Economy, Congress Proceedings** vol 1.(in Turkish) 1991.

- 10.8.5 “A Stochastic Production Frontier Approach to Measure the Efficiency Differences Between Public and Private Enterprises: The Cement Industry,” (with E. Çakmak) **Turkish Productivity Center Publication** No:454, 136-146,(in Turkish), 1991.

11 TOTAL NUMBER OF CITATIONS (LISTED IN CITATION INDEX) TO PUBLICATIONS IN

SSCI WEB OF SCIENCE

13.1 Citations by others: **904**

13.2 H index: **12**

SCOPUS

13.2 Citations 1128

13.3 H index: 14

GOOGLE SCHOLAR

13.4 Citations by others: **2669**

13.5 H index: **20**

RESEARCH GATE

13.6 Citations 1643

13.7 H index 15

12 CURRENT RESEARCH INTEREST(S)

14.1 Measurement of productivity and efficiency

14.2 Public finance

14.3 Environmental economics

14.4 Econometrics

15. GRANTS and PROJECTS

15.1 Recipient of travel and research grant from Economic Research Forum For the Arab Countries, Iran And Turkey, 1994

15.2 Recipient of travel grant from Economic Research Forum For the Arab Countries, Iran And Turkey, 1995

15.3 CA20131 Efficient Justice for All: Improving Court Efficiency through EU Benchmarking, Project Manager 25/5/2021-11/10/2025

16. EDUCATIONAL DEVELOPMENT ACTIVITIES

16.1 Curriculum development for the courses taught

16.2 Supervising M.A and Ph.D thesis's

16.3 Curriculum developments for the courses in the Department of Economics

16.4 Supervision of general exams in statistic

17. CONTRIBUTION TO KADIR HAS UNIVERSITY

- 17.1 Dean, Faculty of Economics Administrative and Social Sciences, September 2010- July 2017
- 17.2 Vice Rector, Kadir Has University, July 2017- April 2018

18. CONTRIBUTION TO BILKENT UNIVERSITY

- 18.1 Member of the faculty council, Faculty of Economics, Administrative and Social Sciences , September 2008- August 2010
- 18.2 11-2007-04-2008 Recruitment Panel for the new Faculty: Took part in the recruitment panel for the new Faculty and carried out interviews with the candidates at New Orleans during the Allied Social Sciences Associations Meetings in January 2008. Following up activities are also carried out. These activities resulted in hiring Esra Duruceylan as a new visiting assistant professor.
- 18.3 08-2007-08-2008 Curriculum Development: Substantial effort was devoted to new curriculum development efforts of the department. Particularly I took part in development of new curriculum for Econometrics, Statistics and Microeconomic Theory courses.
- 18.4 05-1993- 09-1997. Associate Chairman, Department of Economics.
- 18.5 10-1997- August2010. Deputy Director to the Institute of Economics and Social Sciences.
- 18.6 Member of the OIKOM and responsible of coordinating the registration preparations in the Faculty of Economics Administrative and Social sciences.
- 18.7 Deputy director of the Institute of Economics and Social Sciences, January 1998- -January 2000).
- 18.8 Member of the Administrative Council of the Institute of Economics and Social Sciences.

19. CONTRIBUTION TO SOCIETY AT LARGE

- 19.1 Being affiliated as a Chief Technical Advisor of the United Nations/International Labor Organization I have raised substantial amount of funds from various agencies such as United States Department of Labor, and the Delegation to the European Commission of which 12 million dollars has been administered by myself on eradicating worst forms of child labor in Turkey. Through two major projects that I have administered, over 25.000 children working in hazardous conditions have been withdrawn from work and mainstreamed into education. In addition over 5000 family members of working children has been provided vocational training and been provided employment opportunities. In addition I

took part in enhancing the capacity of Turkey in all areas under ILO's mandate, from enhancing and strengthening social dialog to encouraging women entrepreneurship. Moreover I have raised funds and supervised major projects on women entrepreneurship and child labour in Central and East Europe (Romania,Bulgaria and Poland) as well as Central Assia.

19.2 Appointed by the University to contribute to and lecture at the educational programs of the State Statistical Institute of Turkey. Supervised various dissertations and expert theses written by the staff of the State Statistical Institute.

19.3 Took place as a committee member in the various the Ph. D dissertations in other Universities in Ankara.

19.4 Appointed by the University to teach at the graduate program of the Ankara University, Department of Political Sciences.

19.5 Provided voluntary technical expertise to various State Institutions whenever they needed.