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### **Education**

Ph.D., Economics (2002) (Econometrics), Cukurova University, Adana, Turkey.

MA, Econometrics (1997), Cukurova University, Adana, Turkey.

BA, Econometrics (1993), Faculty of Economic and Administrative Sciences, Gazi University, Ankara, Turkey.

### **Employment history**

03/1994-04/2005 Research Assistant, Cukuroca University, Department of Econometrics

05/2005-03/2009 Assistant Professor, Gazi University, Department of Economics

03/2009-08/2013 Associate Professor, Gazi University, Department of Economics

08/2013-05/2018 Professor Dr., Gazi University, Department of Economics

05/2018 - present Professor Dr., Ankara HBV University, Department of Economics

### **Affiliations**

Research Fellow, IZA - Institute of Labor Economics, Bonn, Germany.

Research Fellow, Economic Research Forum, Cairo, Egypt.

### **Areas of specialization**

Time Series Analysis, Econometrics, Macroeconomics, Labour Economics, Applied Statistics.

### **Areas of interest**

Linear and Nonlinear Time Series Analysis, Nonstationary Time Series Analysis, Long-memory Time Series Models, Structural Change and Time Varying Coefficient Models, Macroeconomics, Labour Economics.

### **Referee service for the following journals**

Economic modeling, International Economics, Nonlinear Dynamics & Econometrics, Emerging Market, Finance and Trade, International Economic Journal, Applied Financial Economics, Review of International Economics, Empirical Economics, Renewable & Sustainable Energy Reviews, Energy Economics, Applied Economics, International Review of Economics & Finance, Journal of Applied Statistics, Physica A: Statistical Mechanics and its Applications, Singapore Economic Review, Turkish Studies, Journal of International Trade & Economic Development.

### **Classes taught**

Graduate: Econometrics, Time Series Analysis.

Undergraduate: Econometrics, Mathematical Economics, Macroeconomics.

## Research Experience

2016-2017, Economic Research Forum (ERF), Project titled “Public versus Private Sector Wage Gap in Egypt: Evidence from Panel Data Analysis,” (joint with Aysit Tansel and Halil Ibrahim Keskin).

2013-2014, Economic Research Forum/Global development Network (ERF/GDN) Project titled “Economics of Informality in MENA,”: “Determinant of Transitions across Formal/Informal Sectors in Egypt,” (joint with Aysit Tansel).

## Research & publication

### Papers published in refereed journals

Tansel, A., Keskin, H.I., & **Ozdemir, Z.A.** (2019). Is there an informal employment wage penalty in Egypt? Evidence from quantile regression on panel data. **Empirical Economics**, <https://doi.org/10.1007/s00181-019-01651-2>

Tansel, A., & **Ozdemir, Z.A.** (2019). Transitions across labor market states including formal/informal division in Egypt. **Review of Development Economics**. 23:1674–1695.

Gil-Alana, L.A., **Ozdemir, Z.A.**, & Tansel, A. (2019). Long Memory in Turkish Unemployment Rates. **Emerging Markets Finance and Trade**, Volume: 55, Issue: 1, Pages: 201-217.

Tansel, A., & **Ozdemir, Z.A.** (2018). Unemployment invariance hypothesis, added and discouraged worker effects in Canada. **International Journal of Manpower**, 39(7), pp. 929-936.

Tansel, A., **Ozdemir, Z.A.**, & Aksoy, E. (2016). Unemployment and labour force participation in Turkey. **Applied Economics Letters**, 23(3), 184-187.

**Ozdemir, Z.A.**, Balcilar, M., & Tansel, A. (2013). International labour force participation rates by gender: Unit root or structural breaks?. **Bulletin of Economic Research**, 65, s142-s164.

Balcilar, M., **Ozdemir, Z.A.**, Ozdemir, H., & Wohar, M. E. (2020). Fed’s Unconventional Monetary Policy and Risk Spillover in the US Financial Markets. **The Quarterly Review of Economics and Finance**, <https://doi.org/10.1016/j.qref.2020.01.004>

Balcilar, M., **Ozdemir, Z.A.**, Tunçsiper, B., Ozdemir, H., & Shahbaz, M. (2019). On the nexus among carbon dioxide emissions, energy consumption and economic growth in G-7 countries: New insights from the historical decomposition approach. **Environment, Development and Sustainability**, 1-38. <https://doi.org/10.1007/s10668-019-00563-6>

Balcilar M, **Ozdemir Z.A.**, Ozdemir H. (2019). Dynamic return and volatility spillovers among S&P 500, crude oil, and gold. **International Journal of Finance & Economics**, 1–18. <https://doi.org/101002/ijfe.1782>

Balcilar, M., & **Ozdemir, Z.A.** (2019). The volatility effect on precious metals price returns in a stochastic volatility in mean model with time-varying parameters. **Physica A: Statistical Mechanics and its Applications**, 534, 122329.

Balcilar, M. & **Ozdemir, Z.A.** (2019). A re-examination of growth and growth uncertainty relationship in a stochastic volatility in the mean model with time-varying parameters. **Empirica**, <https://doi.org/10.1007/s10663-019-09445-6>

Balcilar, M., **Ozdemir, Z.A.** ve Shahbaz, M. (2019). On the time-varying links between oil and gold: New insights from the rolling and recursive rolling approaches. **International Journal of Finance & Economics**, 24(3), 1047-1065.

Balcilar, M., **Ozdemir, Z. A.** (2019). The nexus between the oil price and its volatility risk in a stochastic volatility in the mean model with time-varying parameters. **Resources Policy**, Volume 61, Pages 572-584.

Balcilar, M., **Ozdemir, Z.A.**, Ozdemir, H., & Shahbaz, M. (2018). The renewable energy consumption and growth in the G-7 countries: Evidence from historical decomposition method. **Renewable Energy**, 126, 594-604.

Balcilar, M., **Ozdemir, Z.A.**, Shahbaz, M., & Gunes, S. (2018). Does inflation cause gold market price changes? evidence on the G7 countries from the tests of nonparametric quantile causality in mean and variance. **Applied Economics**, 50(17), 1891-1909.

**Ozdemir, Z.A.**, Aksoy, E., Arslanturk, Y., Cetinkaya, M., Dogan, T. T., & Durusoy, O. T. (2018). Persistency in tourism expenditure in a small-open economy. **Anatolia**, 29(1), 1- 10.

Shahbaz, M., Balcilar, M., & **Ozdemir, Z.A.** (2017). Does oil predict gold? A nonparametric causality-in-quantiles approach. **Resources Policy**, 52, 257-265.

Zhang, Q., Sornette, D., Balcilar, M., Gupta, R., **Ozdemir, Z.A.**, & Yetkiner, H. (2016). LPPLS bubble indicators over two centuries of the S&P 500 index. **Physica A: statistical Mechanics and its Applications**, 458, 126-139.

**Ozdemir, Z.A.**, Ekinici, C., & Gokmenoglu, K. (2015). International evidence on real interest rate persistence. **The Singapore Economic Review**, 60(04), 1550087.

Balcilar, M., **Ozdemir, Z.A.**, & Cakan, E. (2015). Structural breaks, long memory, or unit roots in stock prices: Evidence from emerging markets. **International Econometric Review**, 7:1, Pages 13-33.

**Ozdemir, Z.A.**, & Aksoy, E. (2015). Are real exchanges rate series really persistent?: evidence from three commonwealth of independent states countries. **Applied Economics**, 47(40), 4299-4309.

Balcilar, M., **Ozdemir, Z.A.**, & Yetkiner, H. (2014). Are there really bubbles in oil prices?. **Physica A: Statistical Mechanics and its Applications**, 416, 631-638.

Aye, G.C., Balcilar, M., Gupta, R., Jooste, C., Miller, S.M., **Ozdemir, Z.A.**, (2014) Fiscal policy shocks and the dynamics of asset prices: The South African experience. **Public Finance Review**, Volume 42, Issue 4, Pages 511-531.

Deviren, B., Kocakaplan, Y., Keskin, M., Balcilar, M., **Özdemir, Z. A.**, & Ersoy, E. (2014). Analysis of bubbles and crashes in the TRY/USD, TRY/EUR, TRY/JPY and TRY/CHF exchange rate within the scope of econophysics. **Physica A: Statistical Mechanics and its Applications**, 410, 414-420.

Balcilar, M., & **Ozdemir, Z.A.** (2013). Asymmetric and time-varying causality between inflation and inflation uncertainty in G-7 countries. **Scottish Journal of Political Economy**, 60(1), 1-42.

Balcilar, M., & **Ozdemir, Z.A.** (2013). The export-output growth nexus in Japan: a bootstrap rolling window approach. **Empirical Economics**, 44(2), 639-660.

Balcilar, M., & **Ozdemir, Z.A.** (2013). The causal nexus between oil prices and equity market in the US: A regime switching model. **Energy Economics**, 39, 271-282.

**Ozdemir, Z.A.**, Gokmenoglu, K., & Ekinci, C. (2013). Persistence in crude oil spot and futures prices. **Energy**, 59, 29-37.

Balcilar, M., **Ozdemir, Z.A.**, & Cakan, E. (2011). On the nonlinear causality between inflation and inflation uncertainty in the G3 countries. **Journal of Applied Economics**, 14(2), 269-296.

Arslanturk, Y., Balcilar, M., & **Ozdemir, Z.A.** (2011). Time-varying linkages between tourism receipts and economic growth in a small open economy. **Economic Modelling**, 28(1-2), 664-671.

Guzel, A. and **Ozdemir, Z.A.**, (2011). The Feldstein-Horioka puzzle in the presence of structural shifts: The case of Japan versus the USA. **Research in International Business and Finance**, Vol. 25(2), pages 195-202.

Balcilar, M., **Ozdemir, Z.A.**, & Arslanturk, Y. (2010). Economic growth and energy consumption causal nexus viewed through a bootstrap rolling window. **Energy Economics**, 32(6), 1398-1410.

**Ozdemir, Z.A.**, & Cakan, E. (2010). The persistence in real exchange rate: Evidence from East Asian countries. **Economic Modelling**, Vol. 27(5), pages 891-895.

**Ozdemir, Z.A.** (2010). Dynamics of inflation, output growth and their uncertainty in the UK: an empirical analysis. **Manchester School**, Vol. 78(6), pages 511-537.

Dincer, N.N. & **Ozdemir, Z.A.**, (2009). The quality of fiscal adjustment: an empirical analysis of Turkey. **Journal of Economic Policy Reform**, Vol. 12(2), pages 111-126.

**Ozdemir, Z.A., & Olgun, H. (2009).** The Feldstein-Hoironka puzzle across countries. **Applied Economics**, Vol. 41(2), pages 237-247.

Akdi Y. & **Ozdemir, Z.A., & Olgun, H. (2009).** Testing the PPP hypothesis for G-7 countries. **Applied Economics Letters**, Vol. 16(1), pages 99-101.

**Ozdemir, Z.A., (2009).** Linkages between international stock markets: A multivariate long-memory approach. **Physica A: Statistical Mechanics and its Applications**, 388: 12, 2461-2468.

**Ozdemir, Z.A., Olgun, H. & Saracoglu, B. (2009).** Dynamic linkages between the center and periphery in international stock markets. **Research in International Business and Finance**, Vol. 23(1), pages 46-53.

Olgun, H. & **Ozdemir, Z.A., (2008).** Linkages between the center and periphery stock prices: Evidence from the vector ARFIMA model. **Economic Modelling**, Vol. 25(3), pages 512-519, May.

**Ozdemir, Z.A., (2008).** Efficient market hypothesis: evidence from a small open-economy. **Applied Economics**, Vol. 40(5), pages 633-641.

**Ozdemir, Z.A., & Fisunoglu, M. (2008).** On the inflation-uncertainty hypothesis in Jordan, Philippines and Turkey: A long memory approach. **International Review of Economics & Finance**, Vol. 17(1), pages 1-12.

**Ozdemir, Z.A., (2007).** The purchasing power parity hypothesis in Turkey: evidence from nonlinear STAR error correction models. **Applied Economics Letters**, Vol. 15(4), pages 307-311.

**Ozdemir, Z. A., & Cakan, E. (2007).** Linkages between international stock markets: A multivariate long-memory approach. **Physica A: Statistical Mechanics and its Applications**, 377, 173–180.

**Ozdemir, Z.A., & Olgun, H. (2007).** Foreign exchange crises, structural shifts and volatility: an interpretation of the Turkish case. **The Journal of International Trade and Diplomacy** Vol. 1 (2), 139-158.

Dulger, F. & **Ozdemir, Z.A. (2005).** Current Account Sustainability in Seven Developed Countries. **Journal of Economic and Social Research**, 7(2), 47-80.

Dulger, F. & **Ozdemir, Z.A. (2004).** Testing for the sustainability of current account deficit in six developing countries. **Yapı Kredi Economic Review**, Vol:15, Number: 1, page: 51-69.

**Ozdemir, Z.A. (2004).** Mean reversion in real exchange rate: empirical evidence from Turkey, 1980-1999. **METU Studies in Development**, Vol:31, Number:2, page: 243-265.

**Ozdemir, Z.A. (2004).** Persistence in emerging market stock returns: empirical evidence from six stock markets. **ISE Review**, Vol. 8, iss. 31, pp. 19-30.

## Discussion Papers

Tansel, A., Keskin, H. I., & **Ozdemir, Z.A.** (2018). Public versus Private Sector Wage Gap in Egypt: Evidence from Quantile Regression on Panel Data. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 11895, <http://ftp.iza.org/dp11895.pdf>.

Gil-Alana, L. A., **Ozdemir, Z.A.**, & Tansel, A. (2017). Long Memory in Turkish Unemployment Rates. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 11053, <http://ftp.iza.org/dp11053.pdf>, published in: Emerging Markets Finance and Trade, 2018, 55 (1), 201-217.

Tansel, A., **Ozdemir, Z.A.**, & Aksoy, E. (2016). Does the Unemployment Invariance Hypothesis Hold for Canada?. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No.10178, <http://ftp.iza.org/dp10178.pdf>, revised version published as 'Unemployment Invariance Hypothesis , Added and Discouraged Workers in Canada' in: International Journal of Manpower, 2018, 39(7), 929-936.

Tansel, A., Keskin, H. I., & **Ozdemir, Z.A.** (2015). Is There an Informal Employment Wage Penalty in Egypt?. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 9359, <http://ftp.iza.org/dp9359.pdf>, published in: Empirical Economics, First Online: 27 February 2019.

Tansel, A., **Ozdemir, Z.A.**, & Aksoy, E. (2015). Unemployment and labour force participation in Turkey. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 8834, <http://ftp.iza.org/dp8834.pdf>, published in Applied Economics Letters, 2016, 23 (3), 184-187.

Tansel, A. & **Ozdemir, Z. A.**, (2015). Determinants of Transitions across Formal / Informal Sectors in Egypt. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 8773, <http://ftp.iza.org/dp8773.pdf>

**Ozdemir, Z.A.**, Balcilar, M., & Tansel, A. (2013). Are Labor Force Participation Rates Really Non-Stationary? Evidence from Three OECD Countries. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 6776, <http://ftp.iza.org/dp6776.pdf>.

**Ozdemir, Z.A.**, Balcilar, M., & Tansel, A. (2013). International labour force participation rates by gender: Unit root or structural breaks?. Bonn, Germany: Institute for the Study of Labor (IZA) Discussion Paper No. 6063, <http://ftp.iza.org/dp6063.pdf>, published in: Bulletin of Economic Research, 2013, May, 65(S1): s142-s164.