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Google Scholar

<https://scholar.google.com/citations?user=2GW3eLEAAAJ&hl=en>

EDUCATION

- **Ph.D. in Economics, 1997**
The City University of New York, Graduate Center (CUNY-GC), NY, USA (1992-1997)
- **Doctorate Program in Economics**, the courses were completed (1989-1991)
İstanbul University, Istanbul, Turkey
- **MA in Economics, 1989**
Hacettepe University, Ankara, Turkey (1986-1989)
- **BA in Economics, 1986**
Dokuz Eylül University, Izmir, Turkey (1982-1986)

WORK EXPERIENCE

- Employer: **Erciyes University**, Kayseri, Turkey (Dec 2007 to present)
Position: Prof. Dr.
- Employer: **Erciyes University**, Kayseri, Turkey (Oct 2002 – Dec 2007)
Position: Assoc. Prof. Dr.
- Employer: **Erciyes University**, Kayseri, Turkey (Oct 1997- Oct 2002)
Position: Assist. Prof. Dr.
- Employer: **NYC Technology College**, Brooklyn, USA (Feb 1996 - Dec 1996)
Position: Adj. Prof.
- Employer: **Queens College**, Queens, USA (Sept 1995 - Jun 1996)
Position: Adj. Prof.

- Employer: **Wagner College**, Staten Island, USA (Feb 1995 - Dec 1995)
Position: Adj. Prof.

UNDERGRADUATE COURSES TAUGHT (at present and in the past)

- Introduction to Economics I-II (Erciyes University-Turkey, in English)
- Microeconomics I-II (Erciyes University-Turkey, in Turkish and English)
- Macroeconomics I-II (Erciyes University-Turkey, in Turkish and English)
- Microeconomics (Wagner College-USA)
- Macroeconomics (Wagner College-USA)
- Macroeconomics (NYCT College-USA)
- Statistics (Queens College-USA)

GRADUATE COURSES TAUGHT (at present and in the past)

- Microeconomics I-II (Erciyes University-Turkey, Ph.D. courses in Turkish and English)
- Econometrics I-II (Erciyes University-Turkey, Ph.D. courses in Turkish and English)
- Applied Econometrics I-II (Erciyes University-Turkey, MA courses in Turkish)
- Microeconomics (Erciyes University-Turkey, MA course in Turkish)
- Macroeconomics (Erciyes University-Turkey, MA course in Turkish)

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RESEARCH INTEREST

- **Macroeconomics:** Models, business cycles, natural resources, employment, growth, equilibrium, dynamic general equilibrium.
- **Environment:** Global warming, climate change, pollution, CO₂ emissions, environmental economics, environmental policy.

- **Statistics & mathematics, time series & panel data:** Software and data mining, data analytics, matrix algebra, linear-nonlinear functions and programming, modeling, convergence (optimization), estimation, Markov regime-switching, wavelet coherence, ML, simulation, forecasting, single variable and multiple variable time series modeling and estimations, panel data models and estimations.

PUBLICATIONS

ARTICLES (Published in Web of Science and Scopus indexed journals)

- Energy intensity, renewable energy, and air quality: fresh evidence from BIMSTEC countries through method of moments quantile model, F Bilgili, DB Rahut, A Awan, **Environment, Development and Sustainability**, 2024, 1-17 (SCIE). <https://link.springer.com/article/10.1007/s10668-024-04490-z>
- Volatility Interconnectedness among Financial and Geopolitical Markets: Evidence from COVID-19 and Ukraine-Russia Crises, M. E. Hoque, M. Sahabuddin, F. Bilgili, **Economic Analysis and Policy**, 2024 (SSCI). <https://www.sciencedirect.com/science/article/pii/S0313592624000705>
- Renewable energy and technology adoption: Mitigating CO2 emissions through implementation strategies, Faik Bilgili, Seyit Önderol, Sevda Kuşkaya, Mohammed Alnour, Mohammad Enamul Hoque, Daniel Balsalobre-Lorente, **Natural Resources Forum**, 2024 (SSCI, SCIE). <https://doi.org/10.1111/1477-8947.12441>
- The dynamic nexus of oil price fluctuations and banking sector in China: A continuous wavelet analysis, F Bilgili, Y Kassouri, S Kuşkaya, APM Garang, **Resources Policy** 88, 104449, 2024 (SCIE). <https://doi.org/10.1016/j.resourpol.2023.104449>
- What do we know about spillover between the climate change futures market and the carbon futures market? ME Hoque, F Bilgili, S Batabyal **Climatic Change**, 176 (12), 166, 2023 (SCIE). <https://link.springer.com/article/10.1007/s10584-023-03640-y>
- Dynamic regime differences in the market behavior of primary natural resources in response to geopolitical risk and economic policy uncertainty, E Muğaloğlu, S Kuşkaya, L Aldieri, M Alnour, ME Hoque, C Magazzino, ...F. Bilgili, **Resources Policy**, 87, 104340, 2023 (SSCI). <https://www.sciencedirect.com/science/article/pii/S0301420723010516>
- Assessing the dynamics of international competitiveness based on high-tech exports: insights from a heterogeneous panel of selected G20 countries,

SÇ İlğili, F Bilgili, **Technology Analysis & Strategic Management**, 1-17, 2023 (SSCI).<https://www.tandfonline.com/doi/pdf/10.1080/09537325.2023.2280556>

- The impacts of renewable energy production, economic growth, and economic globalization on CO2 emissions: evidence from Fourier ADL co-integration and Fourier-Granger causality test for Turkey, Y Dumrul, F Bilgili, C Dumrul, Z Kılıçarslan, MN Rahman, **Environmental Science and Pollution Research**, 30 (41), 94138-94153, 2023 (SCIE).
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- Are research and development on energy efficiency and energy sources effective in the level of CO2 emissions? Fresh evidence from EU data F Bilgili, D Balsalobre-Lorente, S Kuşkaya, M Alnour, S Önderol, ..., **Environment, Development and Sustainability**, 1-37, 2023 (SCIE).
<https://link.springer.com/article/10.1007/s10668-023-03641-y>
- Disaggregating the impact of natural resource rents on environmental sustainability in the MENA region: A quantile regression analysis, Bilgili, F., Soykan, E., Dumrul, C., Awan, A., Onderol, S., Khan, K., **Resources Policy**, 85, Part A, 2023, 103825, 2023 (SSCI).
<https://doi.org/10.1016/j.resourpol.2023.103825>
- Household fuel choices and consumption intensity in Pakistan: evidence from HIES data 2001–2019, Awan, A., Bilgili, F. & Rahut, D.B., **Environ Sci Pollut Res**, 2023 (SCIE). <https://doi.org/10.1007/s11356-023-27227-3>
- Examining the oil consumption synchronization using wavelet analysis of world's top oil consumers, Kassouri Y., Bilgili F., Kuşkaya S., Alola A., **OPEC Energy Review**, vol.47, no.1, pp.1-14, 2023 (Scopus, ESCI).
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- If tourism induces the EKC hypothesis, how does governance moderate its impact in the EU without the UK?, Magazzino C., Adedoyin F., Bilgili F., Shahzad U., **International Journal of Sustainable Development and World Ecology**, no.1, pp.1-14, 2023 (SSCI).
<https://doi.org/10.1080/13504509.2023.2189321>
- The role of solar energy usage in environmental sustainability: Fresh evidence through time-frequency analyses, Kuşkaya S., Bilgili F., Muğaloğlu E., Khan K., Hoque M. E., Toğuş N, **Renewable Energy**, 206, 858-871, 2023 (SCIE). <https://doi.org/10.1016/j.renene.2023.02.063>
- Co-movements and causalities between ethanol production and corn prices in the USA: New evidence from wavelet transform analysis

F Bilgili, E Kocak, S Kuskaya, U Bulut, **Energy**, 259, 124874, 2022 (SCIE).
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- Is ethanol production responsible for the increase in corn prices?
E Kocak, F Bilgili, U Bulut, S Kuskaya, **Renewable Energy**, 199, 689-696, 2022 (SCIE). <https://doi.org/10.1016/j.renene.2022.08.146>
- Editorial: The nexus between the transportation sector and sustainable development goals: Theoretical and practical implications, F Bilgili, C Magazzino, **Frontiers in Environmental Science** 10, 2157, 2022 (SCIE).
<https://doi.org/10.3389/fenvs.2022.1055537>
- Dynamics and Co-movements Between the COVID-19 Outbreak and the Stock Market in Latin American Countries: An Evaluation Based on the Wavelet-Partial Wavelet Coherence Model, F Bilgili, E Koçak, S Kuşkaya, **Evaluation Review**, 1-23, 2022 (SSCI).
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- Connectedness and spillover effects of US climate policy uncertainty on energy stock, alternative energy stock, and carbon future,
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- The evaluation of renewable energy alternatives for sustainable development in Turkey using intuitionistic fuzzy-TOPSIS method, Bilgili F., Zarali F., İlgün M. F., Dumrul C., Dumrul Y., **Renewable Energy**, 189, 1443-1458, 2022 (SCIE). <https://doi.org/10.1016/j.renene.2022.03.058>
- Modeling the exchange rate pass-through in Turkey with uncertainty and geopolitical risk: A Markov regime-switching approach, Bilgili F., Ünlü F., Gençoğlu P., Kuşkaya S., **Applied Economic Analysis**, 30, 88; 52-70, 2022 (SSCI). <https://doi.org/10.1108/aea-08-2020-0105>
- Energy poverty trends and determinants in Pakistan: Empirical evidence from eight waves of HIES 1998–2019, Awan A., Bilgili F., Rahut D. B., **Renewable & Sustainable Energy Reviews**, 158; 1-10, 2022 (SCIE).
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- Wavelet Coherence Analysis of The Exchange Rate Movements, Kuşkaya S., Toğuç N., Bilgili F., **Quality & Quantity**, 57; 1-15, 2022 (Scopus).
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- The Determinants of Demand for Tourism in Turkey: Does Terror Matter? A Markov Regime Switching-VAR Approach, Bilgili F., Çoban S., Marangoz C., Bulut E., Kuşkaya S., **Acta Oeconomica**, 71, 4, 587-607, 2021 (SSCI). <https://doi.org/10.1556/032.2021.00041>
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- Is There A Gender Dimension of the Environmental Kuznets Curve? Evidence from Asian Countries, Bilgili F., Khan M., Awan A., **Environment Development and Sustainability**, 4, 2; 1-22, 2022 (SCIE). <https://doi.org/10.1007/s10668-022-02139-3>
- A wavelet-based model of world oil shocks interaction with CO2 emissions in the US, Y Kassouri, F Bilgili, S Kuşkaya, **Environmental Science & Policy** 127, 280-292, 2022 (SCIE). <https://doi.org/10.1016/j.envsci.2021.10.020>
- Is gold favorable to bitcoin during the COVID-19 outbreak? Comparative analysis through wavelet approach, Shehzad K., Bilgili, F., Zaman U., Koçak E., Kuşkaya S., **Resources Policy**, vol.1, no.1,1-10, 2021 (SSCI). <https://doi.org/10.1016/j.resourpol.2021.102163>
- The role of hydropower energy in the level of CO2 emissions: An application of continuous wavelet transform, Bilgili, F., Balsalobre Lorente D., Kuşkaya S., Ünlü F., Gençoğlu P., Rosha P., **Renewable Energy**, vol.178, 283-294, 2021 (SCIE). <https://doi.org/10.1016/j.renene.2021.06.015>

- Can Exchange Rate Volatility Influence the Export Positively? Evidence from Turkey Under the Regime Shifts, Bilgili, F., Ulucak R., Soykan M. E., Erdoğan S., **Global Business Review**, 22, 3, 588-611, 2021 (ESCI).
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- Environmental Pollution and Energy Research and Development: An Environmental Kuznets Curve Model through Quantile Simulation Approach, Bilgili, F., Nathaniel S. P., Kuşkaya S., Kassouri Y., **Environmental Science, and Pollution Research**, 30, 1-20, 2021 (SCIE).
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- Are government energy technology research, development, and demonstration budgets converging or diverging? Insights from OECD countries, Kassouri Y., Bilgili, F., Majok Garang A. P., **Technology Analysis & Strategic Management**, 34, 1-16, 2021 (SSCI).
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- The roles of economic growth and health expenditure on CO2 emissions in selected Asian countries: A quantile regression model approach, Bilgili, F., Kuşkaya S., Khan M., Awan A., Türker O., **Environmental Science and Pollution Research**, 30, 1-24, 2021 (SCIE).
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- The Age Structure, Stringency Policy, Income and the Spread of COVID-19: The Evidence from 209 Countries, Bilgili, F., Dündar M., Kuşkaya S., Balsalobre Lorente D., Ünlü F., Gençoğlu P., Muğaloğlu E., **Frontiers in Psychology**, 11, 1-14, 2021 (SSCI).
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- COVID-19 outbreak, lockdown, and air quality: fresh insights from New York City, Shehzad K., Bilgili, F., Koçak E., Xiaoxing L., Ahmad M., **Environmental Science, and Pollution Research**, 1-13, 2021 (SCI).
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- COVID-19 and Spillover Effect of Global Economic Crisis on the US' Financial Stability, Shehzad K., Bilgili, F., Xiaoxing L., Koçak E., **Frontiers in Psychology**, 1-13, 2021 (SSCI) <https://doi.org/10.3389/fpsyg.2021.632175>
- The co-movements between geothermal energy usage and CO2 emissions through high and low frequency- cycles, Bilgili, F., Kuşkaya S., Gençoğlu P., Kassouri Y., Majok Garang A. P., **Environmental Science and Pollution**

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- Estimation of the co-movements between biofuel production and food prices: A wavelet-based analysis, F. Bilgili, E. Koçak, S. Kuşkaya, Ü. Bulut, **Energy**, 214, 1-25, 2020 (SCIE). <https://doi.org/10.1016/j.energy.2020.118777>
- The shale gas production and economic growth in local economies across the US, F. Bilgili, E. Koçak, Ü. Bulut, **Environmental Science and Pollution Research**, 27, 12001–12016, 2020 (SCIE). <https://doi.org/10.1007/s11356-020-07776-7>
- The wind energy-greenhouse gas nexus: The wavelet-partial wavelet coherence model approach, S. Kuşkaya, F. Bilgili, **Journal of Cleaner Production**, 245, 118872, 2020 (SCIE). <https://doi.org/10.1016/j.jclepro.2019.118872>
- Does waste energy usage mitigate the CO2 emissions? A time-frequency domain analysis, F. Bilgili, S. Kuşkaya, F. Ünlü, P. Gençoğlu, **Environmental Science and Pollution Research**, 27, 5056–507. 2020 (SCIE). <https://doi.org/10.1007/s11356-019-07253-w>
- Does globalization matter for environmental sustainability? Empirical investigation for Turkey by Markov regime switching models, F. Bilgili, R. Ulucak, E. Koçak, S. Ç. İlkay, **Environ Sci Pollut Res**, 27, 1, 1087-1100, 2020, (SCIE). <https://doi.org/10.1007/s11356-019-06996-w>
- A revisited renewable consumption-growth nexus: A continuous wavelet approach through disaggregated data, F. Bilgili, S. Kuşkaya, N. Toguç, E. Muğaloğlu, E. Koçak, Ü. Bulut, H. H. Bağlıtaş, **Renewable & Sustainable Energy Reviews**, 107, 1-19, 2019 (SCIE). <https://doi.org/10.1016/j.rser.2019.02.017>
- Is there deterministic, stochastic and/or club convergence in ecological footprint indicator among G20 countries?, F. Bilgili, R. Ulucak, **Environmental Science and Pollution Research**, 25, 1-16, 2018 (SCIE). <https://doi.org/10.1007/s11356-018-3457-1>

- A reinvestigation of EKC model by ecological footprint measurement for high, middle and low income countries, R. Ulucak, F. Bilgili, **Journal of Cleaner Production**, 188, 144-157, 2018 (SCIE).
<https://doi.org/10.1016/j.jclepro.2018.03.191>
- The impact of urbanization on energy intensity: panel data evidence considering cross-sectional dependence and heterogeneity, F. Bilgili, E. Koçak, U. Bulut, A. Kuloğlu, **Energy**, 133, 242-256, 2017 (SCIE).
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- Can biomass energy be an efficient policy tool for sustainable development? F. Bilgili, E. Koçak, U. Bulut, S. Kuşkaya, **Renewable & Sustainable Energy Reviews**, 71, 830-845, 2017 (SCIE).
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- The Causality Between FDI and Sector Specific Production in Turkey: Evidence from Threshold Cointegration with Regime Shifts, Bilgili, F., Tülüce N. H., Doğan İ., Bağlıtaş H., **Applied Economics**, 48-5, 345-360, 2016 (SSCI).
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- The Influence of Biomass Energy Consumption on CO₂ Emissions: A Wavelet Coherence Approach, F. Bilgili, I. Öztürk, E. Koçak, U. Bulut, Y. Pamuk, E. Muğaloğlu, H. Bağlıtaş, **Environmental Science and Pollution Research**, 23-19, 19043-19061, 2016 (SCIE). <https://doi.org/10.1007/s11356-016-7094-2>
- The Dynamic Impact of Renewable Energy Consumption on CO₂ Emissions: A Revisited Environmental Kuznets Curve Approach, F. Bilgili, E. Koçak, U. Bulut, **Renewable & Sustainable Energy Reviews**, 54, 838-845, 2016 (SCIE).
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- Business Cycle Co-Movements between Renewables Consumption and Industrial Production: A Continuous Wavelet Coherence Approach, F. Bilgili, **Renewable & Sustainable Energy Reviews**, 52, 325-332, 2015 (SCIE).
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- Long Run Elasticities of Demand for Natural Gas: OECD Panel Data Evidence, F. Bilgili, **Energy Sources, Part B: Economics, Planning, and Policy**, 9:4,334-341, 2014 (SCI). <https://doi.org/10.1080/15567249.2010.497793>
- Convergence Analysis of Oil and Diesel Prices for Industries and Households in European Region, F. Bilgili, **Energy Sources, Part B: Economics, Planning, and Policy**, 9:2, 140-148, 2014 (SCIE).
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- A Comparison of VAR and ARIMA Models in Forecasting of Growth, Inflation, Interest and Exchange Rates in Turkey (in Turkish), **Journal of Faculty of Economics and Administrative Sciences, Erciyes University**, No.17 (2001) 37-53. <https://econpapers.repec.org/paper/pramrapa/75609.htm>

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Awarded by Environment Foundation (Çevre Vakfı)

- The Supervisor of 2018 Most Successful Doctorate Thesis in the Field of Environment, Environment Foundation, 2018.
<http://cevrevakfi.org.tr/cevre-vakfidan-cevre-alaninda-en-basarili-doktora-tezlerine-odul/>

SCHOLARSHIPS

- Teaching Scholarship by CUNY Graduate Center for Teaching at New York City Technical College, NY, 1996.
- Ph.D. Scholarship by the Higher Education Council of Turkey for Ph.D. at the City University of New York (CUNY-GC), 1991-1995.

MEMBERSHIP

- IAEE, International Association for Energy Economics
- The Econometric Society
- Experimental Economics
- The Financial Economics Association
- Energy Economics Group
- Energy Economics and Geopolitics
- American Economic Association
- ERF, Koç University-TUSIAD, Economic Research Forum
- ACA, Academic Cooperation Association
- CUNY Graduate Center in Economics
- International House of New York
- Eurasian Economists Association
- CEPA, New School for Social Research
- Elsevier Energy Journals
- Environmental Economics
- Gauss Association
- Matlab Users

- Estima-RATS Forum
- Python Developers Community (moderated)
- R bloggers
- Artificial Intelligence, Machine Learning, Data Science & Robotics
- PhD-Business-Economics-International Trade
- Quantitative Analytics
- Global Economist Network
- EUA, European University Association