

## Assoc. Prof. UĞUR KORKUT PATA

### Personal Information

**Email:** ugurkorkut.pata@mku.edu.tr

**Web:** <https://avesis.mku.edu.tr/ugurkorkut.pata>

### International Researcher IDs

ScholarID: N3ZSb8MAAAAJ

ORCID: 0000-0002-2853-4106

Publons / Web Of Science ResearcherID: L-1993-2019

ScopusID: 57193674847

Yoksis Researcher ID: 227077

### Biography

**Ugur Korkut Pata** is an associate professor of economics at the Faculty of Economics and Administrative Sciences, Hatay Mustafa Kemal University, Türkiye. He received his PhD degree in 2019 from Karadeniz Technical University in Türkiye. His research interests include energy economics, macroeconomics, and econometrics. He has published in several journals indexed in the Web of Science Core Collection, such as Ecological Indicators, Energy, Gondwana Research, Journal of Cleaner Production, Resources Policy, and Renewable Energy. The researcher is among the 2% of the world's most influential scientists for 2021 and 2022 listed by Stanford University. He also became the youngest associate professor of economics in Türkiye at the age of 29. His PhD thesis titled "An Empirical Analysis of the Environmental Kuznets Curve with Types of Energy Consumption: The Case of Türkiye" was awarded the best PhD thesis of 2019 by the Environment Foundation. He also serves as an associate editor of Web of Science-indexed journals such as Geoscience Frontiers (Elsevier) and Natural Resource Modeling (Wiley). He is also the first scientist to empirically investigate the determinants of the load capacity factor and to propose the load capacity curve (LCC) hypothesis in the environmental economics literature.

### Education Information

Doctorate, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, Turkey 2016 - 2019

Postgraduate, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, Turkey 2015 - 2017

Postgraduate, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, Turkey 2014 - 2016

Undergraduate, Karadeniz Technical University, İktisadi Ve İdari Bilimler Fakültesi, Turkey 2010 - 2014

### Foreign Languages

English

### Dissertations

Doctorate, Enerji tüketimi çeşitleri ile çevresel Kuznets eğrisinin ampirik olarak analizi: Türkiye örneği, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, 2019

Postgraduate, Kaldor'un iktisat bilimine katkıları ve Türkiye'de Kaldor yasasının simetrik ve asimetrik nedensellik testleriyle analizi, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, 2017

Postgraduate, Türkiye ekonomisinde enerji tüketimi ile ekonomik büyüme ilişkisi (1972-2011), Karadeniz Technical University, Sosyal Bilimler Enstitüsü, 2016

## Research Areas

Social Sciences and Humanities, Economics, Economic Policy, Theory of Economy, Econometrics

## Academic Titles / Tasks

Associate Professor, Hatay Mustafa Kemal University, İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ, İKTİSAT, 2024 - Continues

Associate Professor, Osmaniye Korkut Ata University, 2021 - 2024

Research Assistant, Osmaniye Korkut Ata University, 2018 - 2021

Research Assistant, Karadeniz Technical University, Sosyal Bilimler Enstitüsü, 2015 - 2018

Research Assistant, Osmaniye Korkut Ata University, 2015 - 2015

## Academic and Administrative Experience

Kurumsal Veri Yönetimi Koordinatörü, Hatay Mustafa Kemal University, İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ, İKTİSAT, 2024 - Continues

## Courses

İKT5021-Zaman Serileri Analizi-I, Undergraduate Double Major, 2022-2023

İKT101-İktisada Giriş-I, Undergraduate, 2022-2023

YBS105-Ekonomi I, Undergraduate, 2022-2023

YBS106-Ekonomi II, Undergraduate, 2022-2023

İKT102-İktisada Giriş-II, Undergraduate, 2022-2023

İKT203-Makro İktisat-I, Undergraduate, 2022-2023

İKT6007-Döviz Ekonomisi, Undergraduate Double Major, 2022-2023

İKT6012-Makroekonomik ve Finansal Göstergelerin Tahmini, Undergraduate Double Major, 2022-2023

İKT204-Makro İktisat II, Undergraduate, 2022-2023

İKT5022-Zaman Serileri Analizi-II, Undergraduate Double Major, 2022-2023

SHB 207-Genel İktisat, Undergraduate, 2022-2023

SBH207 Genel İktisat, Undergraduate, 2021-2022

ISL201 Mikro İktisat, Undergraduate, 2021-2022

İKT417 Enerji Ekonomisi, Undergraduate, 2020-2021

ISL202 Makro İktisat, Undergraduate, 2020-2021, 2019-2020

İKT212 Çalışma Ekonomisi, Undergraduate, 2019-2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Time and frequency analysis of daily-based nexus between global CO2 emissions and electricity generation nexus by novel WLMC approach**  
Kartal M. T., Ulussever T., PATA U. K., Depren S. K.  
Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded)
- II. **Modeling the determinants of tourism diversification: An empirical analysis for Australia**  
Solarin S. A., ERDOĞAN S., PATA U. K., Kartal M. T.  
Tourism Economics, vol.30, no.8, pp.2002-2020, 2024 (SSCI)
- III. **Investigating the LCC hypothesis for Portugal: the role of renewable energy and energy related R&D technologies**

PATA U. K., Madureira L., Fareed Z.

International Journal of Environmental Science and Technology, vol.21, no.16, pp.10145-10154, 2024 (SCI-Expanded)

- IV. **Modeling the link between environmental, social, and governance disclosures and scores: the case of publicly traded companies in the Borsa Istanbul Sustainability Index**  
Kartal M. T., KILIÇ DEPREN S., PATA U. K., Taşkın Yeşilova F. D., Şavlı T.  
Financial Innovation, vol.10, no.1, 2024 (SSCI)
- V. **Examining Determinants of Transport-Related Carbon Dioxide Emissions by Novel Super Learner Algorithm**  
Kartal M. T., PATA U. K., Depren Ö.  
Transportation Research Part D: Transport and Environment, vol.136, 2024 (SCI-Expanded)
- VI. **A comprehensive review of progress in sustainable development goals from energy and environment perspectives**  
Kartal M. T., Santosh M., Ulussever T., Pata U. K., Kılıç Depren S.  
Energy Strategy Reviews, vol.56, 2024 (SCI-Expanded)
- VII. **Response of renewable energy minerals to energy policy and technological advancement: An assessment of the Russian energy crisis**  
PATA U. K., ERDOĞAN S., Pata S. K.  
Journal of Environmental Management, vol.370, 2024 (SCI-Expanded)
- VIII. **Does energy policy uncertainty matter for renewable energy and energy efficiency technologies? An affordable and clean energy perspective**  
PATA U. K.  
Geoscience Frontiers, vol.15, no.6, 2024 (SCI-Expanded)
- IX. **Technological innovation, globalization and ecological quality: A disaggregated ecological footprint approach for BRICS countries**  
PATA U. K., Tiwari A. K., ERDOĞAN S.  
Journal of Environmental Management, vol.370, 2024 (SCI-Expanded)
- X. **The role of renewable energy and carbon dioxide emissions on the ESG market in European Union**  
Mohammed K. S., PATA U. K., Serret V., Kartal M. T.  
Managerial and Decision Economics, vol.45, no.7, pp.5146-5158, 2024 (SSCI)
- XI. **Evaluating the influence of democracy, financial development, and fishery product consumption on fishing grounds: A case study for Malaysia**  
Pata U. K., Erdoğan S., Solarin S. A., Okumus I.  
Marine Policy, vol.168, 2024 (SSCI)
- XII. **Determining the effectiveness of the forest load capacity factor in assisting decarbonization in India**  
Pata U. K., Karlılar Pata S.  
Forest Policy and Economics, vol.166, 2024 (SCI-Expanded)
- XIII. **Effects of Environment, Social, and Governance (ESG) disclosures on ESG scores: Investigating the role of corporate governance for publicly traded Turkish companies**  
Kartal M. T., Taşkın Yeşilova F. D., Shahbaz M., KILIÇ DEPREN S., PATA U. K.  
Journal of Environmental Management, vol.368, 2024 (SCI-Expanded)
- XIV. **The effectiveness of geopolitical risk, load capacity factor, and urbanization on natural resource rent: Evidence from top ten oil supplier countries**  
ERDOĞAN S., PATA U. K., Kartal M. T.  
Resources Policy, vol.96, 2024 (SSCI)
- XV. **How does geopolitical risk affect clean energy generation? Daily evidence from five highly Russia-reliant European countries**  
ERDOĞAN S., PATA U. K., Alola A. A., Kartal M. T., KILIÇ DEPREN S.  
Energy Strategy Reviews, vol.55, 2024 (SCI-Expanded)
- XVI. **Exploring the Cost of Decarbonizing the United States: A Proposal for a Green Sacrifice Ratio**  
ERDOĞAN S., PATA U. K., Kartal M. T.

- Environmental Modeling and Assessment, vol.29, no.4, pp.723-734, 2024 (SCI-Expanded)
- XVII. **Examining the asymmetric effects of fossil fuel consumption, foreign direct investment, and globalization on ecological footprint in Mexico**  
Eweade B. S., KARLILAR PATA S., PATA U. K., Adeshola I., Olaifa J. O.  
Sustainable Development, vol.32, no.4, pp.2899-2909, 2024 (SSCI)
- XVIII. **The effect of nuclear and fossil fuel energy R&D expenditures on environmental qualities in Canada**  
Yurtkuran S., PATA U. K.  
Sustainable Energy Technologies and Assessments, vol.68, 2024 (SCI-Expanded)
- XIX. **Do investments in green energy, energy efficiency, and nuclear energy R&D improve the load capacity factor? An augmented ARDL approach**  
Jin X., Ahmed Z., PATA U. K., Kartal M. T., ERDOĞAN S.  
Geoscience Frontiers, vol.15, no.4, 2024 (SCI-Expanded)
- XX. **Green solutions for sustainable development: Introduction**  
Sharif A., Kartal M. T., PATA U. K.  
Geoscience Frontiers, vol.15, no.4, 2024 (SCI-Expanded)
- XXI. **Where do we stand on cutting coal dependency? Evidence from the top coal-dependent economies**  
ERDOĞAN S., PATA U. K., Alola A. A.  
Energy Strategy Reviews, vol.54, 2024 (SCI-Expanded)
- XXII. **Assessing the influence of climate risk, carbon allowances, and technological factors on the ESG market in the European union**  
PATA U. K., Si Mohammed K., Serret V., Kartal M. T.  
Borsa Istanbul Review, vol.24, no.4, pp.828-837, 2024 (SSCI)
- XXIII. **On the road to sustainable development: the role of ICT and R&D investments in renewable and nuclear energy on energy transition in Germany**  
PATA U. K., KARLILAR PATA S., Kartal M. T.  
Clean Technologies and Environmental Policy, vol.26, no.7, pp.2323-2335, 2024 (SCI-Expanded)
- XXIV. **Energy security risk and financial development nexus: Disaggregated level evidence from South Korea by cross-quantilogram approach**  
Kartal M. T., PATA U. K., Alola A. A.  
Applied Energy, vol.363, 2024 (SCI-Expanded)
- XXV. **How are electricity generation effective on carbon neutrality in the global south? Evidence from sectoral CO<sub>2</sub> emissions by daily data**  
Kartal M. T., PATA U. K., Taşkın Yeşilova F. D.  
Science of the Total Environment, vol.926, 2024 (SCI-Expanded)
- XXVI. **Load capacity factor and LCC hypothesis for sustainable environment: Introduction**  
PATA U. K., Tevfik Kartal M., Sharif A., Ahmed Z., Balsalobre-Lorente D.  
Gondwana Research, vol.129, pp.369-370, 2024 (SCI-Expanded)
- XXVII. **Digital economy and carbon dioxide emissions: Examining the role of threshold variables**  
Wang Q., Sun J., PATA U. K., Li R., Kartal M. T.  
Geoscience Frontiers, vol.15, no.3, 2024 (SCI-Expanded)
- XXVIII. **Linking the utilization of mineral resources and climate change: A novel approach with frequency domain analysis**  
Si Mohammed K., PATA U. K.  
Geoscience Frontiers, vol.15, no.3, 2024 (SCI-Expanded)
- XXIX. **Do energy and geopolitical risks influence environmental quality? A quantile-based load capacity factor assessment for fragile countries**  
PATA U. K., Kartal M. T., Mukhtarov S., Magazzino C.  
Energy Strategy Reviews, vol.53, 2024 (SCI-Expanded)
- XXX. **Relationship between monetary policy and financial asset returns in Türkiye: Time, frequency, and quantile-based effects**  
Kartal M. T., PATA U. K., Taşkın Yeşilova F. D., Ulussever T.

Borsa Istanbul Review, vol.24, no.3, pp.474-484, 2024 (SSCI)

- XXXI. **Fintech, natural resources management, green energy transition, and ecological footprint: Empirical insights from EU countries**  
Ahmad M., PATA U. K., Ahmed Z., Zhao R.  
Resources Policy, vol.92, 2024 (SSCI)
- XXXII. **Marginal effect of electricity generation on CO2 emissions: Disaggregated level evidence from China by KRLS method and high-frequency daily data**  
Kartal M. T., Magazzino C., PATA U. K.  
Energy Strategy Reviews, vol.53, 2024 (SCI-Expanded)
- XXXIII. **Dynamic effect of disaggregated level electricity generation on residential carbon emissions: Daily inference from the largest EU economies**  
PATA U. K., Kartal M. T., Alola A. A., KILIÇ DEPREN S.  
Energy Strategy Reviews, vol.53, 2024 (SCI-Expanded)
- XXXIV. **New insights from the STIPART model on how environmental-related technologies, natural resources and the use of the renewable energy influence load capacity factor**  
Sun Y., Usman M., Radulescu M., PATA U. K., Balsalobre-Lorente D.  
Gondwana Research, vol.129, pp.398-411, 2024 (SCI-Expanded)
- XXXV. **Effectiveness of green bonds on carbon neutrality and clean electricity generation: Comprehensive evidence from the leading emitting country by disaggregated level analysis**  
Kartal M. T., PATA U. K., Magazzino C.  
Energy Strategy Reviews, vol.53, 2024 (SCI-Expanded)
- XXXVI. **The Role of Information and Communication Technologies and Energy-Related Research and Development Investments in Energy Transition: Evidence from the United States of America by Machine Learning Algorithm**  
PATA U. K., Kartal M. T., KILIÇ DEPREN S.  
Energy Technology, vol.12, no.5, 2024 (SCI-Expanded)
- XXXVII. **Analyzing the EKC hypothesis for the top 10 energy-importing countries: a perspective for the COP27 targets**  
PATA U. K., Naimoglu M., KARLILAR PATA S., Kartal M. T.  
Air Quality, Atmosphere and Health, vol.17, no.5, pp.953-966, 2024 (SCI-Expanded)
- XXXVIII. **Linking trade openness to load capacity factor: The threshold effects of natural resource rent and corruption control**  
Wang Q., Sun J., Li R., PATA U. K.  
Gondwana Research, vol.129, pp.371-380, 2024 (SCI-Expanded)
- XXXIX. **Environmental role of technology, income, globalization, and political stability: Testing the LCC hypothesis for the GCC countries**  
Ulussever T., Kartal M. T., PATA U. K.  
Journal of Cleaner Production, vol.451, 2024 (SCI-Expanded)
- XL. **Facing the challenge of alternative energy sources: The scenario of European Union countries based on economic and environmental analysis**  
Kartal M. T., PATA U. K., ERDOĞAN S., Destek M. A.  
Gondwana Research, vol.128, pp.127-140, 2024 (SCI-Expanded)
- XLI. **Intermediating effect of mineral resources on renewable energy amidst globalization, financial development, and technological progress: Evidence from globe based on income-groups**  
Wang Q., Cheng X., PATA U. K., Li R., Kartal M. T.  
Resources Policy, vol.90, 2024 (SSCI)
- XLII. **Associating environmental quality, human capital, financial development and technological innovation in 19 middle-income countries: A disaggregated ecological footprint approach**  
AYTUN C., ERDOĞAN S., PATA U. K., CENGİZ O.  
Technology in Society, vol.76, 2024 (SSCI)
- XLIII. **Eco-innovation and environmental sustainability in Germany: An empirical approach with smooth**

## **structural shifts**

PATA U. K., Sofuoglu E., Ahmed Z., Kizilkaya O.

Natural Resources Forum, vol.48, no.1, pp.154-170, 2024 (SCI-Expanded)

- XLIV. **The integrated influence of energy security risk and green innovation on the material footprint: An EKC analysis based on fossil material flows**  
PATA U. K., KARLILAR PATA S.  
Journal of Cleaner Production, vol.435, 2024 (SCI-Expanded)
- XLV. **How renewable and nuclear energy-related research and development expenditures pave the way for curbing carbon emissions in France?**  
PATA U. K., Naimoglu M.  
Energy and Environment, 2024 (SSCI)
- XLVI. **Do patents, renewable energies and energy taxes in the transport sector reduce transportation carbon emissions in the European Union?**  
PATA U. K., ERDOĞAN S., KARLILAR PATA S., Kartal M. T.  
International Journal of Sustainable Development and World Ecology, vol.31, no.7, pp.977-988, 2024 (SCI-Expanded)
- XLVII. **Uncovering the linkage among tourism diversification, economic development, energy consumption, population density, technology, and carbon emissions: empirical evidence from New Zealand**  
ERDOĞAN S., PATA U. K., Okumus I., Solarin S. A.  
Air Quality, Atmosphere and Health, 2024 (SCI-Expanded)
- XLVIII. **Time, frequency, and quantile-based impacts of disaggregated electricity generation on carbon neutrality: evidence from leading European Union countries**  
Kartal M. T., PATA U. K., KILIÇ DEPREN S., ERDOĞAN S.  
International Journal of Sustainable Development and World Ecology, vol.31, no.1, pp.89-107, 2024 (SCI-Expanded)
- XLIX. **Assessing decarbonization: a comparison of the green sacrifice ratio for China and India**  
ERDOĞAN S., PATA U. K., Kartal M. T.  
International Journal of Sustainable Development and World Ecology, vol.31, no.4, pp.411-420, 2024 (SCI-Expanded)
- L. **Ecological effects of distinct patents on reducing waste-related greenhouse gas emissions in BRIC countries: evidence from novel quantile methods**  
PATA U. K., Kartal M. T., ERDOĞAN S.  
International Journal of Sustainable Development and World Ecology, vol.31, no.5, pp.554-566, 2024 (SCI-Expanded)
- LI. **Do structural change and forest load capacity factor provide a reduction in carbon emissions in the BRICS countries?**  
PATA U. K., KARLILAR PATA S.  
Air Quality, Atmosphere and Health, 2024 (SCI-Expanded)
- LII. **Navigating the role of transport and energy taxes on carbon neutrality in Poland: A Fourier-based approach**  
KARLILAR PATA S., ERDOĞAN S., Kartal M. T., PATA U. K.  
Energy and Environment, 2024 (SSCI)
- LIII. **Assessing the power of biofuels and green technology innovation on the environment: The LCC perspective**  
PATA U. K., KARLILAR PATA S.  
Energy and Environment, 2024 (SSCI)
- LIV. **Are Biofuel Technologies a Revolution for Environmental Sustainability in the United States?**  
KARLILAR PATA S., PATA U. K.  
Geological Journal, 2024 (SCI-Expanded)
- LV. **Effects of Waste Generation on the Load Capacity Factor: A Novel Waste Management Assessment for OECD Countries**

PATA U. K., Pata S. K., ERDOĞAN S.

Geological Journal, 2024 (SCI-Expanded)

- LVI. **Linking geopolitical risk, load capacity factor, income, labor, population, and trade on natural resources: Evidence from top oil-producing countries**  
ERDOĞAN S., Kartal M. T., PATA U. K.  
Natural Resources Forum, 2024 (SCI-Expanded)
- LVII. **Uncovering time-, frequency- and quantile-based impacts of energy, fiscal policy instruments, and economic growth on sustainable development**  
ERDOĞAN S., PATA U. K.  
International Journal of Sustainable Development and World Ecology, 2024 (SCI-Expanded)
- LVIII. **Impact of disaggregated level clean electricity on CO2 emissions: Evidence from EU-5 countries by bivariate and multivariate QQ approaches**  
Kartal M. T., PATA U. K., Taşkın Yeşilova F. D., Mukhtarov S.  
Energy and Environment, 2024 (SSCI)
- LIX. **Role of Environmental Policy Stringency on Sectoral CO2 Emissions in EU-5 Countries: Disaggregated Level Evidence by Novel Quantile-Based Approaches**  
Kartal M. T., Kirikkaleli D., PATA U. K.  
Energy and Environment, 2024 (SSCI)
- LX. **Testing the ecological effect of wind and solar energy consumption: A novel regularized common correlated effect approach for top oil-importing countries**  
PATA U. K., Kartal M. T.  
Natural Resources Forum, 2024 (SCI-Expanded)
- LXI. **A comparison of CO2 emissions, load capacity factor, and ecological footprint for Thailand's environmental sustainability**  
Adebayo T. S., PATA U. K., Akadiri S. S.  
Environment, Development and Sustainability, vol.26, no.1, pp.2203-2223, 2024 (SCI-Expanded)
- LXII. **The role of disaggregated renewable energy consumption on income and load capacity factor: A novel inclusive sustainable growth approach**  
PATA U. K., Wang Q., Kartal M. T., Sharif A.  
Geoscience Frontiers, vol.15, no.1, 2024 (SCI-Expanded)
- LXIII. **Technological changes and carbon neutrality targets in European countries: A sustainability approach with Fourier approximations**  
PATA U. K., Kartal M. T., Mukhtarov S.  
Technological Forecasting and Social Change, vol.198, 2024 (SSCI)
- LXIV. **Renewable electricity generation and carbon emissions in leading European countries: Daily-based disaggregate evidence by nonlinear approaches**  
Kartal M. T., PATA U. K., Alola A. A.  
Energy Strategy Reviews, vol.51, 2024 (SCI-Expanded)
- LXV. **Sustainable Growth through Green Electricity Transition and Environmental Regulations: Do Risks Associated with Corruption and Bureaucracy Matter?**  
Xu R., PATA U. K., Dai J.  
Politicka Ekonomie, vol.72, no.2, pp.228-254, 2024 (SSCI)
- LXVI. **The impact of geopolitical risks on clean energy mineral prices: Does the Russia-Ukrainian war matter?**  
PATA U. K., Cevik E. I., Destek M. A., Dibooglu S., Bugan M. F.  
International Journal of Green Energy, vol.21, no.9, pp.2102-2116, 2024 (SCI-Expanded)
- LXVII. **Effect of Political Stability, Geopolitical Risk and R&D Investments on Environmental Sustainability: Evidence from European Countries by Novel Quantile Models**  
Depren S. K., ERDOĞAN S., Kartal M. T., PATA U. K.  
Politicka Ekonomie, vol.72, no.2, pp.151-180, 2024 (SSCI)
- LXVIII. **Discovering the sustainable development role of fintech credit and the pilot low carbon project on**

### **greenwashing in China**

PATA U. K., Si Mohammed K., Nassani A. A., Ghosh S.

Environment, Development and Sustainability, 2024 (SCI-Expanded)

- LXIX. **Towards sustainable development in African countries: Are modern and combustible renewable energies effective?**  
PATA U. K., KARLILAR PATA S.  
Sustainable Development, 2024 (SSCI)
- LXX. **Does Climate Change Cause an Upsurge in Food Prices?**  
ERDOĞAN S., Kartal M. T., PATA U. K.  
Foods, vol.13, no.1, 2024 (SCI-Expanded)
- LXXI. **Unveiling the influence of environmental taxes, socioeconomic conditions, renewable energy, and financial globalization on environmental sustainability**  
Ahmed Z., PATA U. K.  
Natural Resources Forum, 2024 (SCI-Expanded)
- LXXII. **Decarbonization efforts under the energy and climate policy uncertainties: a comparison between the USA and China**  
PATA U. K.  
Clean Technologies and Environmental Policy, 2024 (SCI-Expanded)
- LXXIII. **Nonlinear impacts of environmental transport taxes and biofuel consumption on greenhouse emissions in the four largest European Union countries**  
PATA U. K., ERDOĞAN S., KARLILAR PATA S., Kartal M. T.  
Natural Resources Forum, 2024 (SCI-Expanded)
- LXXIV. **COVID-19, stock prices, exchange rates and sovereign bonds: a wavelet-based analysis for Brazil and India**  
YILANCI V., PATA U. K.  
International Journal of Emerging Markets, vol.18, no.11, pp.4968-4986, 2023 (SSCI)
- LXXV. **Examining the impact of clean environmental regulations on load capacity factor to achieve sustainability: Evidence from APEC economies**  
ÇAĞLAR A. E., PATA U. K., Ulug M., Zafar M. W.  
Journal of Cleaner Production, vol.429, 2023 (SCI-Expanded)
- LXXVI. **Investigating the environmental Kuznets curve in the five most complex countries: Insights from a modified ecological footprint model**  
PATA U. K., Hizarci A. E.  
Energy and Environment, vol.34, no.8, pp.2990-3019, 2023 (SSCI)
- LXXVII. **A Sustainable Development Assessment for the Load Capacity Factor and Carbon Footprint in India: The Role of Information and Communication Technologies, Renewable Energy, and Structural Changes**  
PATA U. K., Destek M. A.  
Journal of Environment and Development, vol.32, no.4, pp.392-412, 2023 (SSCI)
- LXXVIII. **Impacts of renewable energy, trade globalization, and technological innovation on environmental development in China: Evidence from various environmental indicators and novel quantile methods**  
Kartal M. T., PATA U. K.  
Environmental Development, vol.48, 2023 (SCI-Expanded)
- LXXIX. **The influence of income, economic policy uncertainty, geopolitical risk, and urbanization on renewable energy investments in G7 countries**  
PATA U. K., Alola A. A., ERDOĞAN S., Kartal M. T.  
Energy Economics, vol.128, 2023 (SSCI)
- LXXX. **Achieving SDG-13 in the Era of Conflicts: The Roles of Economic Growth and Government Stability**  
Dai J., Ahmed Z., PATA U. K., Ahmad M.  
Evaluation Review, vol.47, no.6, pp.1168-1192, 2023 (SSCI)
- LXXXI. **Effectiveness of nuclear and renewable electricity generation on CO2 emissions: Daily-based**



- analysis for the major nuclear power generating countries**  
Kartal M. T., PATA U. K., Depren Ö., ERDOĞAN S.  
Journal of Cleaner Production, vol.426, 2023 (SCI-Expanded)
- LXXXII. **Analyzing the EKC hypothesis for technologically advanced countries: The role of ICT and renewable energy technologies**  
PATA U. K., Kartal M. T., ERDOĞAN S.  
Journal of Cleaner Production, vol.426, 2023 (SCI-Expanded)
- LXXXIII. **Impact of renewable energy investments in curbing sectoral CO2 emissions: evidence from China by nonlinear quantile approaches**  
Kartal M. T., ERDOĞAN S., Alola A. A., PATA U. K.  
Environmental Science and Pollution Research, vol.30, no.52, pp.112673-112685, 2023 (SCI-Expanded)
- LXXXIV. **Proposal of fishing load capacity curve and testing validity: Evidence from top 20 countries with highest fisheries production by panel data approaches**  
Pata U. K., Kartal M. T., Adali Z., Karlılar Pata S.  
Ocean and Coastal Management, vol.245, 2023 (SCI-Expanded)
- LXXXV. **Carbon efficiency in China: Should we be concerned about the shadow economy and urbanization?**  
PATA U. K., OLASEHINDE WILLIAMS G. O., Ozkan O.  
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## Metrics

Publication: 234

Citation (Scopus): 8115

H-Index (Scopus): 47