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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eastern Mediterranean University, Faculty of Business & Economics, Economics, Cyprus (Kktc) 2019 - 2023

Postgraduate, Cukurova University, Sosyal Bilimler Enstitüsü, Ekonometri, Turkey 2016 - 2019

Postgraduate, Cukurova University, Sosyal Bilimler Enstitüsü, İktisat, Turkey 2016 - 2019

Undergraduate, Cukurova University, İktisadi Ve İdari Bil. Fak., İktisat, Turkey 2009 - 2014

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, The Role of Renewable Energy, Innovation, and Digitization on the Environmental Footprint: Empirical Evidence from National and Cross-national Studies, Eastern Mediterranean University, 2023

Postgraduate, Okun's Law, economic growth and employment: The case of Turkey, Cukurova University, Sosyal Bilimler Enstitüsü, İktisat, 2019

Postgraduate, Analysis of the relationship between female labor force participation and economic growth with u-shaped feminisation hypothesis: An analysis for developed and developing countries, Cukurova University, Sosyal Bilimler Enstitüsü, Ekonometri, 2019

Academic Titles / Tasks

Assistant Professor, Hatay Mustafa Kemal University, İktisadi Ve İdari Bilimler Fakültesi, İktisat, 2024 - Continues

Research Assistant, Eastern Mediterranean University, 2019 - 2023

Academic and Administrative Experience

Deputy Head of Department, Hatay Mustafa Kemal University, İktisadi Ve İdari Bilimler Fakültesi, İktisat, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ecological power of energy storage, clean fuel innovation, and energy-related research and development technologies**
KARLILAR PATA S., PATA U. K., Wang Q.
Renewable Energy, vol.241, 2025 (SCI-Expanded)
- II. **Scrutinizing the load capacity curve for a global perspective: The role of Fintech, government effectiveness and renewable energy**
PATA U. K., Mohammed K. S., Omeyr C., KARLILAR PATA S., Aloffaysan H., Kartal M. T.
Gondwana Research, vol.138, pp.104-117, 2025 (SCI-Expanded)
- III. **Are Biofuel Technologies a Revolution for Environmental Sustainability in the United States?**
KARLILAR PATA S., PATA U. K.
Geological Journal, vol.59, no.12, pp.3151-3160, 2024 (SCI-Expanded)
- IV. **Towards sustainable development in African countries: Are modern and combustible renewable energies effective?**
PATA U. K., KARLILAR PATA S.
Sustainable Development, vol.32, no.6, pp.6493-6503, 2024 (SSCI)
- V. **Comparative impacts of energy, climate, and economic policy uncertainties on renewable energy**
Karlilar Pata S.
Journal of Environmental Management, vol.370, 2024 (SCI-Expanded)
- VI. **Determining the effectiveness of the forest load capacity factor in assisting decarbonization in India**
Pata U. K., Karlilar Pata S.
Forest Policy and Economics, vol.166, 2024 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **Decarbonizing energy: Evaluating fossil fuel displacement by renewables in OECD countries**
KARLILAR PATA S., Balcilar M.
Environmental Science and Pollution Research, vol.31, no.21, pp.31304-31313, 2024 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)

- XV. **Identifying the influence of climate policy uncertainty and oil prices on modern renewable energies: novel evidence from the United States**
KARLILAR PATA S., Balcilar M.
Clean Technologies and Environmental Policy, 2024 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **R&D investment and financial performance in EU countries: The role of shareholder protection and creditor rights in renewable energy firms**
KARLILAR PATA S., Tarzibashi O. F. F.
Environmental science and pollution research international, vol.30, no.59, pp.124170-124181, 2023 (SCI-Expanded)
- XIX. **The determinants of ecological footprint in the UK: The role of transportation activities, renewable energy, trade openness, and globalization**
Eweade B. S., Güngör H., KARLILAR PATA S.
Environmental science and pollution research international, vol.30, no.58, pp.122153-122164, 2023 (SCI-Expanded)
- XX. **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., Karlilar Pata S.
Ocean and Coastal Management, vol.245, 2023 (SCI-Expanded)
- XXI. **Do oil and natural gas prices affect carbon efficiency? Daily evidence from China by wavelet transform-based approaches**
Liu H., PATA U. K., Zafar M. W., Kartal M. T., KARLILAR PATA S., ÇAĞLAR A. E.
Resources Policy, vol.85, 2023 (SSCI)
- XXII. **Environmental sustainability in the OECD: The power of digitalization, green innovation, renewable energy and financial development**
KARLILAR PATA S., Balcilar M., Emir F.
Telecommunications Policy, vol.47, no.6, 2023 (SCI-Expanded)
- XXIII. **Application of RALS cointegration test assessing the role of natural resources and hydropower energy on ecological footprint in emerging economy**
Emir F., KARLILAR PATA S.
Energy and Environment, vol.34, no.4, pp.764-779, 2023 (SSCI)
- XXIV. **Exploring the role of coal consumption, solar, and wind power generation on ecological footprint: evidence from India using Fourier ADL cointegration test**
KARLILAR PATA S., Emir F.
Environmental Science and Pollution Research, vol.30, no.9, pp.24077-24087, 2023 (SCI-Expanded)
- XXV. **Determinants of material footprint in OECD countries: The role of green innovation and environmental taxes**
KARLILAR PATA S., PATA U. K.
Natural Resources Forum, 2023 (SCI-Expanded)
- XXVI. **An environmental assessment of non-renewable, modern renewable, and combustible renewable energy in Cameroon**

PATA U. K., KARLILAR PATA S., Eweade B. S.

Environment, Development and Sustainability, 2023 (SCI-Expanded)

XXVII. Testing the long-run effects of economic growth, financial development and energy consumption on CO2 emissions in Turkey: new evidence from RALS cointegration test

Doğanlar M., Mike F., Kızılkaya O., KARLILAR PATA S.

Environmental Science and Pollution Research, vol.28, no.25, pp.32554-32563, 2021 (SCI-Expanded)

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