

Dr. Sami Ullah

Ph.D. in Economics | Associate Professor

Shandong Vocational University of Foreign Affairs, Weihai, China

College of Business and Economics, United Arab Emirates University, Al Ain, UAE

AURCAD Research Center, Arkin University of Creative Arts and Design, Cyprus, Turkey

Contact: sami.khan4050@yahoo.com samiullah@uaeu.ac.ae |  +923367604050

[ORCID](#) | [Google Scholar](#) | [ResearchGate](#) | [Scopus](#)

Academic Profile

Financial and environmental economist with extensive experience in Economic and Finance teaching, quantitative research, and sustainability-focused analysis. Experienced in curriculum development, student advising, and academic planning systems. Author of 43+ peer-reviewed journal articles (predominantly JCR Q1 / Scopus Q1, with h-index 26) demonstrating a sustained and progressive research trajectory in environmental and financial economics. Developed a strong international research network with co-authors and collaborators from Europe, the Middle East, and Asia, reflected in multi-country research projects and joint publications.

Education

Ph.D. Economics

Zhongnan University of Economics and Law, Wuhan, PR China

September 2018 – December 2021

M.Phil. Economics

National University of Modern Languages, Islamabad, Pakistan

September 2013 – June 2016

M.Sc. Economics

National University of Modern Languages, Islamabad, Pakistan

January 2011 – January 2013

B. Com (Bachelor of Commerce)

University of Punjab, Lahore, Pakistan

September 2008 – June 2010

Teaching & Advising Summary

- Design course syllabi with clear learning outcomes and constructively aligned lectures, tutorials, and assessment tasks (quizzes, case studies, applied projects).
- Contributed to curriculum discussions and program development in Economics, including course design and alignment with program learning outcomes
- Use active-learning methods (problem-based projects, data labs, group case discussions) to engage students in Microeconomics, Macroeconomics, Econometrics, and Environmental Economics at undergraduate and graduate levels.
- Participated in assurance-of-learning and academic quality processes, including reviewing assessments, mapping learning outcomes, and peer-reviewing course materials.

- Incorporate digital learning tools (Blackboard Learn, online quizzes, analytics dashboards) to monitor student progress and provide timely feedback..
- Actively involved in departmental seminars and research forums, fostering a collaborative research culture.
- Incorporate project-based learning with R, Stata, SPSS, and EViews.

Research & Academic Employment

- **Associate Professor**, Shandong Vocational University of Foreign Affairs, Weihai, China (June 2026– Present)
Designed and delivered courses in Macroeconomics, Environmental Economics, Financial Economics, Finance, integrating applied tools and case-based economic and financial applications.
- **Research Associate**, UAE University, UAE (Mar 2024 – Present)
Led the design of empirical strategies, data collection, and advanced econometric modelling (time-series, panel, wavelet-based analyses) for funded projects on sustainable finance and energy transition. Coordinated international co-author teams across Europe, the Middle East, and Asia to deliver Q1 journal publications
- **Non-resident Research Fellow**, Arkin University of Creative Arts and Design, Turkey (February 2025 – Present)
- **Postdoctoral Researcher**, Shandong University, China (Jan 2022 – Dec 2023)
- **Visiting Lecturer**, Arid Agriculture University, Pakistan (Oct 2017 – Feb 2018)
Developed and taught Managerial Economics, Research Methodology, and Monetary Economics, incorporating practical demonstrations of emerging economic issues.
- **Visiting Lecturer**, University of Sargodha, Pakistan (Feb 2016 – Jun 2016)
Designed and delivered courses in Macroeconomics, Environmental Economics, Financial Economics, integrating applied tools and case-based economic applications.

Supervision & Mentorship

- Mentored undergraduate and postgraduate projects in Economics and Finance, focusing on quantitative methods and sustainability topics.
- Provided methodological guidance to postgraduate students on time-series and panel econometrics, wavelet analysis, and policy evaluation, contributing to timely thesis completion and publications.

Institutional Service & Committees

- Participate in research activities, seminars, curriculum discussions, and academic quality processes.
- Contribute to assurance-of-learning, peer-review activities, and departmental academic development.

Research Interests

Environmental and Financial Economics, Technological Innovations, Financial Development, AI & Sustainability, Digitalization, Sustainable Development, Energy Transition, Economic Complexity, Resource Economics

Refereed Journal Articles

1. **Ullah, S., & Ben Ali, M. S.** (2026). Foreign Direct Investment and Knowledge-driven Growth in the Asia-Pacific: The Role of Host Countries' Capacities. *Journal of the Knowledge Economy*, 1-17. <https://doi.org/10.1007/s13132-018-0546-9> (**Scopus-Q1, ABDC-C**)
2. Magazzino, C., & **Ullah, S.** (2026). Unraveling the Time–Frequency Nexus: The US Path to Net-Zero Emissions. *Environmental Modeling & Assessment*, 31(1), 1-21. <https://doi.org/10.1007/s10666-025-10076-4>. (**JCR-Q1, Scopus-Q1**)

3. Ali, K., Zhang, Q., Bakhsh, S., **Ullah, S.**, & Barut, A. (2026). Green finance and digital economic infrastructure in the UK's energy transition: Insights from quantile-on-quantile and KRLS methods. *Renewable Energy*, 125458. <https://doi.org/10.1016/j.renene.2026.125458>. (**JCR-Q1, Scopus-Q1**)
4. Saleem, S., Zeb, S., **Ullah, S.**, Rashid, A., & Magazzino, C. (2026). The role of fintech adoption and digital financial literacy in shaping financial development: A global panel data approach. *The Japanese Political Economy*, 1-47. <https://doi.org/10.1080/2329194X.2026.2614065>. (**JCR-ESCI, Scopus-Q1**)
5. **Ullah, S.**, Niu, B., & Meo, M. S. (2025). Advancing sustainability in China by uncovering the role of eco-innovation, sustainable urbanization and financial development: evidence from novel wavelet approaches. *International Journal of Sustainable Development & World Ecology*, 32(1), 110-125. <https://doi.org/10.1080/13504509.2024.2412153>. (**JCR-Q1, Scopus-Q1**)
6. **Ullah, S.**, Boulanouar, Z., Meo, M. S., & Ali, K. (2025). Navigating sustainable mobility: Wavelet insights into carbon emissions in Germany's transportation sector. *Transport Policy*. <https://doi.org/10.1016/j.tranpol.2025.05.017> (**JCR-Q1, Scopus-Q1, ABDC-A**)
7. Boulanouar, Z., Essid, L., & **Ullah, S.** (2025). Energy Transition Investments and Carbon Emissions: Asymmetric and Dynamic Effects across Developed and Emerging Economies. *Finance Research Letters*, 107746. <https://doi.org/10.1016/j.frl.2025.107746> (**JCR-Q1, Scopus-Q1, ABDC-A**)
8. Ramzan, M., Abbasi, K. R., **Ullah, S.**, & Adebayo, T. S. (2025). The Green Frontier: Leveraging Information Globalization, ICT, Green Innovation, and Financial Depth for Sustainable Progress in the United Kingdom. *Renewable Energy*, 123355. <https://doi.org/10.1016/j.renene.2025.123355> (**JCR-Q1, Scopus-Q1**)
9. Ali, K., Zhang, Q., Khan, M. K., Boulanouar, Z., Hamza, F., & **Ullah, S.** (2025). China's transition to sustainable transport assessing the impact of financial innovation, patent innovation, and bioenergy: evidence from an innovative time–frequency analysis. *Financial Innovation*, 11(1), 116. (**JCR-Q1, Scopus-Q1**)
10. Wang, Z., Ali, K., & **Ullah, S.** (2025). Revisiting natural resources and financial development nexus in China under the lens of time-frequency approach. In *Natural Resources Forum*, Vol. 49, No. 1, pp. 541-560. <https://doi.org/10.1111/1477-8947.12398> (**JCR-Q1, Scopus-Q1**)
11. Hua, L., Boulanouar, Z., Bilal, A., & **Ullah, S.** (2025). Dynamic linkages between circular economy, green technologies, and energy transition under geopolitical shocks: Evidence from wavelet and non-parametric causality approaches. *The Journal of Economic Asymmetries*. <https://doi.org/10.1016/j.jeca.2025.e00441> (**Scopus-Q1, ABDC-B**)
12. Pata, U. K., Luo, R., Kartal, M. T., Adebayo, T. S., & **Ullah, S.** (2025). Do technological innovations and clean energies ensure CO2 reduction in China? A novel nonparametric causality-in-quantiles. *Energy & Environment*, 36(6), 2815-2835. <https://doi.org/10.1177/0958305X231210993> (**JCR-Q2, Scopus-Q1**)
13. **Ullah, S.**, Luo, R., Adebayo, T. S., & Kartal, M. T. (2024). Paving the ways toward sustainable development: the asymmetric effect of economic complexity, renewable electricity, and foreign direct investment on the environmental sustainability in BRICS-T. *Environment, Development and Sustainability*, 26(4), 9115-9139. <https://doi.org/10.1007/s10668-023-03085-4> (**JCR-Q1, Scopus-Q1**)

14. **Ullah, S.,** Niu, B., & Meo, M. S. (2024). Digital inclusion and environmental taxes: A dynamic duo for energy transition in green economies. *Applied Energy*, 361, 122911. <https://doi.org/10.1016/j.apenergy.2024.122911>. (**JCR-Q1, Scopus-Q1, ABDC-A**)
15. Adebayo, T. S., & **Ullah, S.** (2024). Towards a sustainable future: The role of energy efficiency, renewable energy, and urbanization in limiting CO2 emissions in Sweden. *Sustainable Development*, 32(1), 244-259. <https://doi.org/10.1002/sd.2658> (**JCR-Q1, Scopus-Q1**)
16. Adebayo, T. S., Alola, A. A., & **Ullah, S.** (2024). Probing the carbon neutrality drive of environmental-related technologies and energy transition in France and Germany: a novel time–frequency technique. *Clean Technologies and Environmental Policy*, 26(12), 4325-4343. <https://doi.org/10.1007/s10098-024-02816-z> (**JCR-Q1, Scopus-Q1**)
17. Adebayo, T. S., Alola, A. A., **Ullah, S.,** & Abbas, S. (2024, May). The growth impacts of agriculture value-added, energy utilization, and environmental degradation in Pakistan: Causality in continuous wavelet transform approach. In *Natural Resources Forum* (Vol. 48, No. 2, pp. 343-363). Oxford, UK: Blackwell Publishing Ltd. <https://doi.org/10.1111/1477-8947.12306> (**JCR-Q1, Scopus-Q1**)
18. Khan, K., Yan, X., Zhang, J., **Ullah, S.,** & Li, C. (2024). Financial inclusion, environmental degradation, and the moderating role of ICT: a global perspective. *Environmental Science and Pollution Research*, 31(1), 445-457. <https://doi.org/10.1007/s11356-023-31216-x> (**Scopus-Q1**)
19. **Ullah, S.,** Luo, R., Nadeem, M., & Cifuentes-Faura, J. (2023). Advancing sustainable growth and energy transition in the United States through the lens of green energy innovations, natural resources and environmental policy. *Resources Policy*, 85, 103848. <https://doi.org/10.1016/j.resourpol.2023.103848> (**JCR-Q1, Scopus-Q1, ABDC-B**)
20. **Ullah, S.,** Luo, R., Sunday Adebayo, T., & Balsalobre-Lorente, D. (2023). Green perspectives of finance, technology innovations, and energy consumption in restraining carbon emissions in China: Fresh insights from Wavelet approach. *Energy Sources, Part B: Economics, Planning, and Policy*, 18(1), 2255584. <https://doi.org/10.1080/15567249.2023.2255584> (**JCR-Q1, Scopus-Q1, ABDC-C**)
21. **Ullah, S.,** Adebayo, T. S., Irfan, M., & Abbas, S. (2023). Environmental quality and energy transition prospects for G-7 economies: The prominence of environment-related ICT innovations, financial and human development. *Journal of Environmental Management*, 342, 118120. <https://doi.org/10.1016/j.jenvman.2023.118120> (**JCR-Q1, Scopus-Q1, ABDC-A**)
22. **Ullah, S.,** Luo, R., Adebayo, T. S., & Kartal, M. T. (2023). Dynamics between environmental taxes and ecological sustainability: evidence from top-seven green economies by novel quantile approaches. *Sustainable Development*, 31(2), 825-839. <https://doi.org/10.1002/sd.2423> (**JCR-Q1, Scopus-Q1, ABDC-C**)
23. **Ullah, S.,** Luo, R., Ali, K., & Irfan, M. (2023). How does the sectoral composition of FDI induce economic growth in developing countries? The key role of business regulations. *Economic research-Ekonomska istraživanja*, 36(2). <https://doi.org/10.1080/1331677X.2022.2129406> (**Scopus-Q1**)
24. Adebayo, T. S., & **Ullah, S.** (2023). Formulating sustainable development policies for China within the framework of socioeconomic conditions and government stability. *Environmental Pollution*, 328, 121673. <https://doi.org/10.1016/j.envpol.2023.121673> (**JCR-Q1, Scopus-Q1**)
25. Irfan, M., **Ullah, S.,** Razzaq, A., Cai, J., & Adebayo, T. S. (2023). Unleashing the dynamic impact of tourism industry on energy consumption, economic output, and environmental quality in China: A way

- forward towards environmental sustainability. *Journal of Cleaner Production*, 387, 135778. <https://doi.org/10.1016/j.jclepro.2022.135778> (JCR-Q1, Scopus-Q1, ABDC-A)
26. Adebayo, T. S., **Ullah, S.**, Kartal, M. T., Ali, K., Pata, U. K., & Ağa, M. (2023). Endorsing sustainable development in BRICS: The role of technological innovation, renewable energy consumption, and natural resources in limiting carbon emission. *Science of the Total Environment*, 859, 160181. <http://dx.doi.org/10.1016/j.scitotenv.2022.160181> (JCR-Q1, Scopus-Q1)
 27. Ramzan, M., **Ullah, S.**, Raza, S. A., & Nadeem, M. (2023). A step towards achieving SDG 2030 agenda: analyzing the predictive power of information globalization amidst technological innovation-environmental stewardship nexus in the greenest economies. *Journal of Environmental Management*, 335, 117541. <https://doi.org/10.1016/j.jenvman.2023.117541> (JCR-Q1, Scopus-Q1, ABDC-A)
 28. Adebayo, T. S., Kartal, M. T., & **Ullah, S.** (2023). Role of hydroelectricity and natural gas consumption on environmental sustainability in the United States: evidence from novel time-frequency approaches. *Journal of environmental management*, 328, 116987. <https://doi.org/10.1016/j.jenvman.2022.116987> (JCR-Q1, Scopus-Q1, ABDC-A)
 29. Wang, Z., Chen, X., **Ullah, S.**, & Abbas, S. (2023). Resource curse or blessing? Evaluating the role of natural resource, social globalization, and environmental sustainability in China. *Resources Policy*, 85, 103749. <https://doi.org/10.1016/j.resourpol.2023.103749> (JCR-Q1, Scopus-Q1, ABDC-B)
 30. Khan, K., Luo, T., **Ullah, S.**, Rasheed, H. M. W., & Li, P. H. (2023). Does digital financial inclusion affect CO2 emissions? Evidence from 76 emerging markets and developing economies (EMDE's). *Journal of Cleaner Production*, 420, 138313. <https://doi.org/10.1016/j.jclepro.2023.138313> (JCR-Q1, Scopus-Q1, ABDC-A)
 31. Pata, U. K., Kartal, M. T., Adebayo, T. S., & **Ullah, S.** (2023). Enhancing environmental quality in the United States by linking biomass energy consumption and load capacity factor. *Geoscience Frontiers*, 14(3), 101531. <https://doi.org/10.1016/j.gsf.2022.101531> (JCR-Q1, Scopus-Q1)
 32. Liu, X., Adebayo, T. S., Ramzan, M., **Ullah, S.**, Abbas, S., & Olanrewaju, V. O. (2023). Do coal efficiency, climate policy uncertainty and green energy consumption promote environmental sustainability in the United States? An application of novel wavelet tools. *Journal of Cleaner Production*, 417, 137851. <https://doi.org/10.1016/j.jclepro.2023.137851> (JCR-Q1, Scopus-Q1, ABDC-A)
 33. Batool, K., Zhao, Z. Y., Irfan, M., **Ullah, S.**, & Işık, C. (2023). Assessing the competitiveness of Indian solar power industry using the extended Five Forces Model: a green innovation perspective. *Environmental Science and Pollution Research*, 30(34), 82045-82067. <https://doi.org/10.1007/s11356-023-28140-5> (Scopus-Q1)
 34. Zhang, J., **Ullah, S.**, & Khan, K. (2023). The prominence of fossil energy resources in ecological sustainability of BRICS: the key role of institutional worth. *Frontiers in Environmental Science*, 10, 1084314. <https://doi.org/10.3389/fenvs.2022.1084314> (JCR-Q1, Scopus-Q1)
 35. Nadeem, M., Lou, S., Wang, Z., **Ullah, S.**, Ali, S. A., Abbas, Q., & Artan, S. (2023). Efficiency of domestic institutional arrangements for environmental sustainability along the way to participate in global value chains: evidence from Asia. *Economic research-Ekonomska istraživanja*, 36(1), 516-535. <https://doi.org/10.1080/1331677X.2022.2077793> (Scopus-Q1)
 36. Zhen, Z., **Ullah, S.**, Shaowen, Z., & Irfan, M. (2023). How do renewable energy consumption, financial development, and technical efficiency change cause ecological sustainability in European Union

countries? *Energy & Environment*, 34(7), 2478-2496. <https://doi.org/10.1177/0958305X221109949> (JCR-Q2, Scopus-Q1)

37. **Ullah, S.**, Ali, K., & Ehsan, M. (2022). Foreign direct investment and economic growth nexus in the presence of domestic institutions: a regional comparative analysis. *Asia-Pacific Journal of Regional Science*, 6(2), 735-758. <https://doi.org/10.1007/s41685-022-00236-9> (JCR-Q2, Scopus-Q1)
38. **Ullah, S.**, Ali, K., Shah, S. A., & Ehsan, M. (2022). Environmental concerns of financial inclusion and economic policy uncertainty in the era of globalization: evidence from low & high globalized OECD economies. *Environmental Science and Pollution Research*, 29(24), 36773-36787. <https://doi.org/10.1007/s11356-022-18758-2> (Scopus-Q1)
39. **Ullah, S.**, Nadeem, M., Ali, K., & Abbas, Q. (2022). Fossil fuel, industrial growth and inward FDI impact on CO2 emissions in Vietnam: testing the EKC hypothesis. *Management of Environmental Quality: An International Journal*, 33(2), 222-240. <https://doi.org/10.1108/MEQ-03-2021-0051> (JCR-Q2, Scopus-Q1, ABDC-C)
40. Jianguo, D., Ali, K., Alnor, F., & **Ullah, S.** (2022). The nexus of financial development, technological innovation, institutional quality, and environmental quality: evidence from OECD economies. *Environmental Science and Pollution Research*, 29(38), 58179-58200. <https://doi.org/10.1007/s11356-022-19763-1> (Scopus-Q1)
41. Luo, R., **Ullah, S.**, & Ali, K. (2021). Pathway towards sustainability in selected Asian countries: influence of green investment, technology innovations, and economic growth on CO2 emission. *Sustainability*, 13(22), 12873. <https://doi.org/10.3390/su132212873> (JCR-Q1, Scopus-Q1)
42. Ali, K., Bakhsh, S., **Ullah, S.**, Ullah, A., & Ullah, S. (2021). Industrial growth and CO2 emissions in Vietnam: the key role of financial development and fossil fuel consumption. *Environmental Science and Pollution Research*, 28(6), 7515-7527. <https://doi.org/10.1007/s11356-020-10996-6> (Scopus-Q1)
43. Wang, N., Haroon Shah, M., Ali, K., Abbas, S., & **Ullah, S.** (2019). Financial structure, misery index, and economic growth: Time series empirics from Pakistan. *Journal of Risk and Financial Management*, 12(2), 100. <https://doi.org/10.3390/jrfm12020100> (JCR-Q2, Scopus-Q1, ABDC-B)

Working Papers

- **Ullah, S.**, Boulanouar, Z., Digital Inclusion, Environmental Tax Intensity, and Renewable-Energy Transition in Five BRICS-T Economies: Average, Distributional, and Country-Specific Evidence
- **Ullah, S.**, Boulanouar, Z., & Magazzino, C. Exploring the time-frequency associations among energy consumption, monetary and trade policy with CO₂ emissions on the road to net-zero in the United States using wavelet analysis.
- **Ullah, S.**, Boulanouar, Z., Meo, S., M., & Appio, F. P. Fossil Fuels, Innovation, and Taxes: Quantile-Based Causal Insights on Green Growth in the United States..

Journal Refereeing (63 Reviews for 26 Publications/Grants)

Journal of Cleaner Production, Resources Policy; Financial Innovations; Energy & Environment; Renewable Energy; Sustainable Development; Energy Strategy Review; Applied Economics; Environmental Science and Pollution Research; FIIB Business Review; Geological Journal; Journal of Environmental Planning and Management; Journal of Economic and Administrative Sciences; International Journal of Environmental Research and Public Health; Sustainability; Technological Forecasting and Social Change; Energies; Atmosphere; Energy Sources: Part B, Economics, Planning, and Policy; The International Journal of Sustainable Development and World Ecology;

Transportation Research. Part D, Transport and Environment; Natural Resources Forum; Journal of Asian Architecture and Building Engineering; International Journal of Islamic and Middle Eastern Finance and Management; Heliyon; Energy; Energy Efficiency.

Conferences Attended

- International Conference on Climate Action and Sustainability (ICCAS)- United Arab Emirates University, Al-Ain, UAE | October 7–10, 2025. Presented the paper titled “Fintech Adoption, Digital Financial Literacy, and Financial Development: Drivers of Green Growth in Developed and Developing Economies”
- DTS 2025 – Digital Transformation Society International Conference- France Paris School of Business & University of Naples Parthenope, Paris, France | May 22–23, 2025. Attended in person to engage with latest research and innovations in digital transformation.

Awards & Research Grants

- Team member, Strategic Research Program (12R225), United Arab Emirates University; contributing to project design, econometric modelling, and dissemination activities.
- Contributed to competitive research grant proposals on sustainable finance and energy transition submitted to United Arab Emirates University.
- Co-investigator, National Natural Science Foundation of China (Grant #72073082), Shandong University – responsible for empirical analysis of natural resources, finance, and environmental sustainability.
- Outstanding Distinguished Scholar, Zhongnan University (2020).
- Chinese Government PhD Scholarship (2018–2021).

Technical Skills

Software: EViews, STATA, R Studio, SPSS, Origin Pro, Microsoft Office

Econometric Tools: Time Series Analysis, Panel Data, Causality Tests, Wavelet Analysis, Quantile Modeling, Fourier-based Methods, Bayesian Neural Network Modeling, EKC Modeling etc.

Languages

Urdu (Native), English (Professional), Chinese (Elementary)

Professional Skills

Team-based research, cross-cultural collaboration, academic writing and presenting, student advising, and constructive communication in diverse academic environments.

References

- Prof. Dr. Rundong Luo, Shandong University, Weihai, China. (luorundong@sdu.edu.cn)
- Prof. Dr. Cosimo Magazzino, Roma Tre University, Italy (cosimo.magazzino@uniroma3.it)
- Prof. Dr. Francesco APPIO, Paris Business School, Paris, France, (f.appio@psbedu.paris)