

Hamad Hasul Khan, PhD

Environmental & Development Applied Economist— Policy Researcher
Karachi, Pakistan— Chiang Mai, Thailand (current affiliation)

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Professional Profile

Development and environmental economist specializing in applied environmental, energy, and sustainability economics, and quantitative policy analysis. Expertise in the economics–environment nexus, institutional quality, technological innovation, and climate policy in emerging and Asian economies. Experienced in graduate teaching, thesis supervision, advanced econometric modelling, and interdisciplinary research collaboration. Strong commitment to policy-relevant research supporting sustainable development.

Research Interests

- Applied Economics
- Development Policy and Sustainability Economics
- Environmental and Climate Policy
- Institutional Quality and Governance
- Green Innovation and Energy Transition
- Quantitative Methods for Public Policy
- Panel Data Econometrics and Applied Policy Modelling

Academic Appointments

Proactive Strategic Postdoctoral Researcher, School of Public Policy, Chiang Mai University (CMU), Thailand
Aug 2024– Present

- Conduct policy-relevant research on climate policy, environmental sustainability, and development economics.
- Collaborate on interdisciplinary projects linking governance, innovation, and environmental performance.
- Teach PhD-level course: *Quantitative Methods for Policy Research; Seminar in Public Policy*.
- Teach MA-level course: *Guest lectures for subject Climate Change and Justice*.
- Mentor doctoral students in research design, empirical strategies, and academic writing.

Research Experience

Research Assistant, Universiti Sains Malaysia (USM), Pulau Pinang, Malaysia

Apr 2024–May 2024

Project: Growth of Palm Oil, Rubber Industry, and National Key Economic Areas in Malaysia

- Supported data analysis, literature synthesis, and policy-oriented research outputs. **Graduate Research Assistant**, Universiti Sains Malaysia (USM), Pulau Pinang, Malaysia

Apr 2021 – Jan 2022

- Developed research databases and supported proposal and grant preparation.
- Conducted literature reviews and empirical analysis for peer-reviewed publications.

Teaching Experience

PhD Level (Chiang Mai University, School of Public Policy)

- Quantitative Methods for Public Policy Research (Course Instructor)
- Seminar in Public Policy (Course Instructor / Seminar Lead)

Graduate Level

- Climate Policy and Justice (Guest Lectures)

Earlier Teaching Roles

- Teaching Assistant, Quaid-i-Azam University, Islamabad, Pakistan (tutorials, course support)
- Part-time Lecturer, Innovative Solution Academy, Islamabad, Pakistan (Microeconomics, Macroeconomics, Development Economics)

Education

PhD in Economics, Universiti Sains Malaysia (USM), Malaysia

Jul 2019 – Jun 2023

- *Dissertation: Impact of Economic Growth, Innovation and Political Institutions on Carbon Dioxide Emissions in Developing Economies Specialization: Environmental Economics*

MPhil in Economics, Quaid-i-Azam University, Islamabad, Pakistan

Sep 2016 – Aug 2018

- *Dissertation: Testing for Environmental Kuznets Curve and Pollution Haven Hypothesis in selected countries: A panel data analysis*

MSc in Economics, Pakistan Institute of Development Economics (PIDE), Islamabad, Pakistan

Sep 2012 – Jan 2015

BA (Economics), University of Sindh, Jamshoro, Pakistan

Sep 2010 – Jul 2012

Publications (Selected)

- Khan, H. H., Poochareon, O., & Ye, W. (2026). Governance–technology synergies and environmental sustainability: A moderated analysis of Thailand’s ecological footprint. *Environmental Management: Economics and Policy*, 100003.
- Chaiyapa, T., Supajakwattana, W., Suwardi, A. C., & Khan, H. H. (2025). Climate policy, justice, and electoral promises: Comparative perspectives from Asia. In *Handbook of Public Policy in Asia*. Edward Elgar.
- Ye, W., Khan, H. H., et al. (2025). Steering the electric vehicle future: Asymmetric power dynamics, system logics, and tipping mechanisms in mobility transitions. *Energy Research & Social Science*. Advance online publication.

- Rahmat, S. R., Khan, H. H., Firdaus, R. R., & Asyraf, M. N. (2023). Analysis of government interventions to address hazard: A case study of the COVID-19 pandemic in ASEAN. *International Journal of Multidisciplinary Science and Technology*, 10(4), 2120–2133.
- Khan, H. H., & Rahmat, S. R. (2021). Investigating the dynamic impact of FDI inflows and economic growth on environmental degradation: Evidence from FMOLS and DOLS for selected Asian countries. *International Organisations Research Journal*, 16(3), 183–202.
- Rahmat, S. R., Khan, H. H., & Radin, R. F. (2021). A review of the organic agriculture industry in Malaysia and gross margin between organic and conventional plantation. *Journal of Contemporary Issues in Business and Government*, 27(3), 330.
- Shah, M., & Khan, H. H. (2020). The aggregate impact of trade and migration on economic growth and its components: Evidence from emerging economies. *Asian Development Policy Review*, 8(2), 141–155.
- Khan, H. H., & Khan, F. N. (2018). Testing for environmental Kuznets curve and pollution haven hypothesis: A continental analysis. *International Journal of Management Research and Emerging Sciences*, 8(1).

Work in Progress / Submitted

- Do Innovation and Institutions Matter? Reassessing the Determinants of CO₂ Emissions in Asia–MENA Developing Countries (Submitted, Q1).
- The impact of green technology innovation, environmental taxes, and renewable energy consumption on ecological footprint in Thailand: Evidence from novel dynamic ARDL simulations (In progress).

Research Funding & Collaboration Potential

- Experienced in supporting research proposal and grant preparation during research assistantships (USM) and ongoing collaborative work at CMU.
- Strong fit for externally funded projects on climate policy, green innovation, renewable energy transitions, and governance effectiveness in emerging Asia.
 - Interested in interdisciplinary collaborations with policy schools, energy and environment programs, and development partners (government, IOs, NGOs) across the Asia–Pacific region.

Skills

Econometrics/ Software: Stata, EViews, SPSS, Power BI, Python (basic), L^AT_EX

Methods: Panel data modelling, causal/conditional analysis, applied policy evaluation, research design

Languages

English, Urdu, Sindhi, Punjabi, Malay (basic), Hindi

Professional Service & Engagement

- Executive Committee Member (Exco), USM International Society (USMi), Universiti Sains Malaysia (Feb 2021 – Jan 2022)
- Conferences: IPPA International Conference on Public Policy (ICPP7), Chiang Mai (2025); Pakistan Society of Development Economists (Annual Conferences)
- HOPESEA Global Summer School on Climate Change and Human Mobility. Held on 4-8 May, 2026.

References

Available upon request.