

# Jamal Khan

Institute for International Studies, Shandong University, China

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## Academic Positions

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- **Postdoctoral Researcher**  
Institute for International Studies, Shandong University Since 2022
  - **Research Affiliate** Since 2022  
*The Global Economic Policy Group (GEPG)*  
University of Westminster (UK), Fern Universität in Hagen (Germany),  
and Shandong University (China)
  - **Research Fellow** Since 2023  
Centre for Global Development and BRI Studies, Shandong University  
Data Analysis Center for Area Studies, Shandong University
  - **Junior Lecturer, and Research Assistant**  
Institute for Development of Central China, Wuhan University 2017-2021
  - **Research Assistant and Visiting Lecturer**  
Department of Economics, Hazara University 2013-2016

## Education

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- **PhD in Regional Economics**, Wuhan University, China 2017-2021  
**Thesis:** Essays on International Trade and Climate Change  
**Supervisors:** Prof. Huang Yongming (Wuhan University)  
Prof. Eric Girardin (Aix Marseille University, France)
  - **M.Phil. Economics**, Hazara University, Pakistan 2013-2015
  - **MA Economics**, Hazara University, Pakistan 2010-2011
  - **BBA Hon's Finance**, Hazara University, Pakistan 2005-2008

## Research and Teaching Interests

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**Research Interests:** Development Economics, Structural changes, Climate and trade interactions (EU-Border Carbon Adjustments), Belt and Road Economics, Global Value Chains (GVCs), and Sector analysis.

**Teaching interests:** Input-Output Analysis, Advance Macroeconomics, Microeconomics, Mathematical Economics, Econometrics.

## Publications

### Published Papers

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- **Khan, J.**, Li, Y., & Girardin, E. (2022). Is a clash coming when trade and climate meet at the border? The impact of the EU's carbon border adjustment on China's belt and road initiative. *Structural Change and Economic Dynamics*, 63, 112-124.
  - Li, Y., & **Khan, J.** (2024). Decoupling with(out) outsourcing? Quantifying emissions embodied in BRI trade with implications for climate policy. *Elementa: Science of the Anthropocene* 12(1). DOI: <https://doi.org/10.1525/elementa.2023.00068>.
  - **Khan, J.**, Li, Y., Mahsud, Q. J. (2024). Linkages and Structural Changes in the Chinese Financial Sector, 1996–2018: A Network and Input–Output Approach. *Structural Change and Economic Dynamics*, 70, 33-44..

- Han, W., Zhang, T., **Khan, J.**, Wang, L., & Tu, C. (2024). Going Global in the Digital Era: How Digital Finance Affects Chinese OFDI. *Journal of Organizational and End User Computing (JOEUC)*, 36(1), 1-22.
- Jiang, D., Lin, H., **Khan, J.**, & Han, Y. (2023). Professor independent directors, marketization process and corporate innovation performance: empirical evidence from Chinese A-share listed companies. *International Journal of Manpower*, 44(1), 152-175.
- Huang, Y., & **Khan, J.** (2022). Has the information and communication technology sector become the engine of China's economic growth? *Review of Development Economics*, 26(1), 510-533. DOI: <https://doi.org/10.1111/rode.12821>.
- Li, J., Rehman, A., & **Khan, J.** (2023). The Role of Education and Innovation in Renewable Energy Consumption in OECD and BRICS Countries. *Problemy Ekorozwoju*, 18(2), 102-110.
- Huang, Y., Haseeb, M., **Khan, J.**, & Hossain, M. E. (2022). Structural changes and economic landscape of the Indian economy: 2000-2019. *Review of Development Economics*.
- Xiaoke, G., Hongmei, D., & **Khan, J.** (2023). Disentangling the heterogeneous effects of different support policies on livestock and poultry farmers' willingness to utilize manure resources: Evidence from central China. *Frontiers in Environmental Science*, 11, 1070423.
- Li, Y., **Khan, J.**, & Mahsud, Q. J. (2023). Urban housing prices, female labor participation, and economic development in China: A theoretical and empirical analysis. *Frontiers in Psychology*, 13, 970039.
- Huang, Y., **Khan, J.**, Girardin, E., & Shad, U. (2021). The Role of the Real Estate Sector in the Structural Dynamics of the Chinese Economy: An Input-Output Analysis. *China World Economy*, 29(1), 61-86.
- Ge, M., **Khan, J.**, & Li, Y. (2022). Understanding the effect of organizational innovation environment and customer participation in virtual communities on customer creativity: A study of mediating and moderating influences. *Frontiers in Psychology*, 13. DOI: <https://doi.org/10.3389/fpsyg.2022.913525>.
- Cao, X., Kannaiah, D., Ye, L., **Khan, J.**, Shabbir, M.S., Bilal, K., & Tabash, M. (2022). Does sustainable environmental agenda matter in the era of globalization? The relationship among financial development, energy consumption, and sustainable environmental-economic growth. *Environmental Science and Pollution Research*. DOI: <https://doi.org/10.1007/s11356-022-18772-4>.
- Huibo, W., Awan, R.U., Qayyum, A., Munir, A., **Khan, J.**, & Gulzar, F. (2021). How financial development affects green energy finance? Relationship between environmental regulation and economic performance. *Environmental Science and Pollution Research*, pp.1-16. DOI: <https://doi.org/10.1007/s11356-021-16728-8>.
- Wu, S., Alharthi, M., Yin, W., Abbas, Q., Shah, A. N., & **Khan, J.** (2021). The Carbon-Neutral Energy Consumption and Emission Volatility: The Causality Analysis of ASEAN Region. *Energies*, 14(10), 2943.
- Wang, C., & **Khan, J.** (2020). Leverage Design of Consumption Coupons under the Financial Pressure and the Funding Source for Promoting Consumption. *Financial Research*, 451(09), 31-41.
- Zhang, J., Alharthi, M., Abbas, Q., Li, W., Mohsin, M., **Khan, J.**, & Taghizadeh-Hesary, F. (2020). Reassessing the environmental Kuznets curve in relation to energy efficiency and economic growth. *Sustainability*, 12(20), 8346.

## Under Review work & Working Papers

- The effectiveness of Unilateral vs. multilateral Carbon adjustment mechanisms under WTO and Climate rules, *Nature Sustainability* (under-review) (With Li, Y., & Girardin, E)
- Should I stay or should I go? The Impact of Public Education Investment on Female Labor Participation, *International Journal of Manpower*, (Under-review).
- Agglomeration Economies and regional inequalities: Theory and Evidence from Provincial China. (with Li, Y.).

- Demystifying the ICT sector's contribution to the Chinese and Indian economies. *Journal of the Knowledge Economy*, (Minor-revision submitted).
- Why should you blame your neighbor? A Multi-Regional Input–Output Analysis of emissions embodied in China's international trade. (With Girardin, E).

## Work in Progress

- The Economic Slowdown in Pakistan: Analyzing Sectoral Growth Patterns and Economic Restructuring
- The Dynamic Impact of GVC Participation on Sectoral Labor Reallocation and Structural Change
- Economic Rebalancing of the Chinese economy: Analyzing Structural Changes and Sectoral Growth Sources.

## Books

- Wind from the East: How does the Belt and Road Initiative connect continents to unleash economic potential? Co-authored with Li Yuan. Peter Lang, in process.

## Conferences and Workshops

- Cambridge Sustainability Forum 2024, University of Cambridge.
- The Belt and Road Initiative Revisited: Times for Restart? Organized by: The BRImpact Research Group, the French Research Institute on East Asia (IFRAE), the European Institute for Chinese Studies (EURICS), and the Institute of East Asian Studies (IN-EAST) of the University of Duisburg-Essen.
- 28th International Input-Output Association Conference. (28th Aug - 02nd Sept 2022, Langkawi Island, Malaysia).
- 10th Edition of the International School of I-O Analysis, Langkawi Island, Malaysia.
- The 10th RUSE (Regional, Urban, Spatial Economics in China) conference (July 21-23, 2023, Peking University, China).
- 36th Eurasia Business and Economics Society (EBES) Conference (July 1-3, 2021, Istanbul, Turkey).
- 27th International Input-Output Association Conference (30th June to 5th July 2019, Glasgow, Scotland).
- The 8th RUSE (Regional, Urban, Spatial Economics in China) conference (May 31 to June 1, 2019, Shanghai Jiao Tong University, China).
- 26th International Input-Output Association Conference IIOA Conference. (June 25-29, 2018, Juiz De Fora, Brazil).

## Awards, Grants, and Scholarship

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| • Best Paper award, <i>University of Cambridge</i>                              | 2024      |
| • Cambridge Sustainability Forum, Mobility grant (28,000 RMB)                   | 2024      |
| • Shandong University research Annual seed fund (10,000 RMB)                    | 2024      |
| • Shandong University research Annual seed fund (10,000 RMB)                    | 2023      |
| • IIOA Mobility Grant (US\$ 2500)                                               | 2022      |
| • Institute of International Studies Seed Grant (Co-PI, 20,000 RMB)             | 2022      |
| • Graduate Scholarship in Regional Economics, Chinese Scholarship Council (CSC) | 2017-2021 |

- Awarded best student paper contest (PhD student group), Wuhan University. 2018
- Teaching Assistant Scholarship, Wuhan University 2018
- Higher Education Commission Pakistan Mobility Grant for PhD Scholars 2017
- Awarded Laptop under Prime Minister Laptop Scheme 2014
- Higher Education Commission (HEC) Pakistan, BBA (Hon's) 2007

## Memberships

International Input-Output Association; The Chinese Economist Society; The Regional, Urban, and Spatial Economics in China (RUSE); Committee member of 2022 International Conference on Big Data and Artificial Intelligence (ICBD AI 2022)

## Technical Skills

Matlab, Python, EViews, STATA, Microfit, ArcGIS.

## Refereeing activity

Macroeconomic Dynamics; Energy & Environment; Frontiers in Environmental Sciences; Journal of Chinese Economic and Business Studies.

## References

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1. Prof. Eric Girardin  
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