

**Sher Khan, Master of Philosophy**  
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## **EDUCATION**

- 1) MPhil in Economics (2020), Quaid I Azam University, Islamabad, Pakistan. Thesis: **“Decoupling and Decomposition Analysis of Carbon Emissions from Economic Growth: A Case Study of Pakistan using IPAT and Expanded IPAT Model”**. Supervised by Prof, Dr Muhammad Tariq Majeed.
- 2) BS Hons (2017), Kohat University of Science and Technology, Kohat, Pakistan. Thesis: **“Impact of Economic Growth and Population on Environment Degradation”**. Supervised by Assistant Professor, Muhammad Shoaib.

## **RESEARCH INTERESTS**

- a. Theoretical Economics (Decoupling and Decomposition, Environmental Economics, International Trade, Environmental Kuznets Curve,).
- b. Applied Econometrics (Time Series Analysis, Panel Data and Cross Section Analysis, Research Methods, Time Series Methods, Kaya Identity, Log Mean Divisia Index (LMDI) Decomposition, Tapio Decoupling Indicator).

## **Professional POSITIONS**

1. **Lecturer Economics** (2024-till date), at National Defence University, Islamabad
2. **Research Associate** (2022-2024), at Australian Centre for International Agriculture Research (ACIAR) project at Quaid I Azam University, Islamabad, Pakistan.
3. **Researcher/Freelance Researcher** (2020-2024), at Pakistan Institute for Parliamentary Services, Islamabad, Pakistan.

4. **Team Lead** (Research Department) (2020-2022), at eGeeks Global, Rawalpindi, Pakistan.
5. **Research Student** (2019-2020), with Dr Muhammad Tariq Majeed at School of Economics, Quaid I Azam University, Islamabad, Pakistan.
6. **Executive Member** (2019-2020), at School of Economics, Quaid I Azam University, Islamabad, Pakistan.

## RESEARCH PUBLICATIONS

1. Decomposition and decoupling analysis of carbon emissions from economic growth: a case study of Pakistan is Published by Pakistan Journal of Commerce and Social Sciences, Volume 13, Number 4, 2019, Pages 868-891, <https://www.econstor.eu/handle/10419/214256>.
2. Analytical tool for unpacking the driving forces of environmental impact: an IPAT analysis of Pakistan is published by GeoJournal, Volume 2022, Number 87 2020, Pages 1439–1451, <https://link.springer.com/article/10.1007/s10708-020-10321-1>.
3. Drivers of decoupling economic growth from carbon emission: Empirical analysis of ASEAN countries using decoupling and decomposition model is published by Pakistan Journal of Commerce and Social Sciences, Volume 14, Number 2 2020, Pages 450-483, <https://www.econstor.eu/handle/10419/222910>.
4. Decoupling and decomposition analysis of environmental impact from economic growth: a comparative analysis of Pakistan, India, and China is published by Environmental and Ecological Statistics, Volume 2021, Number 28, Pages 793–820, <https://link.springer.com/article/10.1007/s10651-021-00495-3>.
5. Toward economic growth without emissions growth: the role of urbanization & industrialization in Pakistan is published by Journal of Environmental Studies and Sciences, Volume 13, Number 1, Pages 43-58, <https://link.springer.com/article/10.1007/s13412-022-00797-3>.
6. [Environmental impact of economic activities: Decoupling perspective of Singapore using log mean Divisia index decomposition technique](https://onlinelibrary.wiley.com/doi/abs/10.1002/gj.4786) is published by Geological Journal, Volume 58, Number 10, Pages 3720-3733, <https://onlinelibrary.wiley.com/doi/abs/10.1002/gj.4786>.



## **MINI-RESEARCH PAPERS**

1. Drafted a term paper entitled “Remittances, Inflation and Economic Growth” at School of Economics, Quaid I Azam University, Islamabad, Pakistan.
2. Drafted a term paper entitled “Impact of Corruption, Political Instability & Exchange Rate on FDI Inflows in Pakistan” during my course work of Master of Philosophy at School of Economics, Quaid I Azam University, Islamabad, Pakistan.
3. Drafted a term paper entitled “Globalization and environmental degradation: A case study of Pakistan” during course work of Master of Philosophy at School of Economics, Quaid I Azam University, Islamabad, Pakistan.
4. Drafted a term paper entitled “Impact of External Debt on GDP: An empirical Study in case of Pakistan” during my course work of Master of Philosophy at School of Economics, Quaid I Azam University, Islamabad, Pakistan.

## **CERTIFICATIONS**

1. Presented a research paper at International Conference entitled “Opportunities and threats: Population growth and the way ahead an international conference” held at Forman Christian College, Lahore in 2021.
2. Presented a research paper at “2nd International Divine Economics Conference” organized by Department of Islamic Economy and Banking and Kashmir Institute of Economics at University of Azad Jammu & Kashmir in 2020.
3. Received a certificate of Member of Organizing Team at the Applied Economics Research Centre, University of Karachi International Conference entitled “The Economy of Naya (New) Pakistan: Emerging Challenges, Prospects for Change and Road to Prosperity” in 2019.
4. Received a certificate of participation for attending a Workshop on Spatial Econometrics at School of Economics, Quaid I Azam University, Islamabad, Pakistan in 2019.

## **ACHIEVEMENTS**

1. Received a Gold Medal in my Master of Philosophy in Economics at Quaid I Azam University, Islamabad, Pakistan for the academic batch of 2018-2020.

2. Received a fellowship two times for the year 2019 during my Master of Philosophy in Economics at School of Economics, Quaid I Azam University, Islamabad.
3. Received a Prime Minister Laptop during my Bachelor of Science (BS) Honors at Kohat University of Science and Technology in 2015.

## **SOFTWARE AND SKILLS**

- a. EViews
- b. Stata
- c. SPSS
- d. MS Office, Excel
- e. Data Management and Visualization

References will be furnished upon request.