

# Muhammad Sabir

Professor  
NUST Business School

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## About

Dr. Muhammad Sabir is working as Professor in the NUST Business School. Dr. Muhammad Sabir has a PhD in Applied Economics. Dr. Muhammad Sabir has published 35 research articles & conference papers having a citation count of 481, carried out 3 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Applied Economics</b> Free University Amsterdam , Pakistan	2006 - 2011
<b>MS in Economics</b> University of Karachi , Pakistan	2003 - 2004
<b>Master in Economics</b> University of Peshawar , Pakistan	2002 - 2003
<b>BA in Economics, Statistics, Maths</b> University of Peshawar , Pakistan	1998 - 2000
<b>F.Sc in Pre Engineering</b> BISE, Peshawar , Pakistan	1996 - 1998
<b>Matric (SSC) in Science Group</b> BISE, Peshawar , Pakistan	1996 - 1998

## Experience

<b>Professor</b> NUST Business School	2023- Present
<b>Professor</b> NUST Business School	2023 - 2023
<b>Associate Professor</b> NUST Business School	2019 - 2023
<b>HoD/Associate Professor</b> Ghulam Ishaq Khan Institute (GIKI) of Engineering Sciences and Technology , Topi, Swabi, KP, Pakistan	2019 - 2019
<b>HoD/Assistant Professor</b> Ghulam Ishaq Khan Institute (GIKI) of Engineering Sciences and Technology , Topi, Swabi, KP, Pakistan	2015 - 2019
<b>Assistant Professor</b> Ghulam Ishaq Khan Institute (GIKI) Topi, Swabi, KP, Pakistan , Ghulam Ishaq Khan Institute (GIKI) Topi, Swabi, KP, Pakistan	2013 - 2015
<b>Assistant Chief</b> Planning Commission of Islamabad , Minsitry of Planning Development and Reforms, P-Block, Pakistan Secretariat, Islamabad	2011 - 2013
<b>Research Officer</b> Planning Commission of Islamabad , Minsitry of Planning Development and Reforms, P-Block, Pakistan Secretariat, Islamabad	2004 - 2006

## Awards

HEC

## Industry Projects

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### National Projects

#### Individual Consultant – Transport Expert (Clean and Green Energy) - Pakistan

2022

**Client:** Regional Integrated Multi-Hazard Early Warning System (RIMES) Thailand

**Amount:** PKR 2,362,500.00

**Status:** Approved\_inprocess

#### Shifting of POL Products to Railways

2021

**Client:** Pakistan Railways

**Amount:** PKR 1,750,000.00

**Status:** Approved\_inprocess

#### Career Orientation Test Development

2020

**Client:** Merafuture

**Amount:** PKR 1,200,000.00

**Status:** Completed

### International Projects

## Research Articles

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#### Circular economy and its implementation in cement industry: A case point in Pakistan

2023

*Azfar Uddin Yousaf Ali Muhammad Sabir Antonella Petrillo Fabio De Felice*

*Science of the Total Environment*, Volume 898, Article Number: 165605

**Impact Factor:** 9.8 | **Quartile:** 1 | **Citations:** 11

**DOI:** 10.1016/j.scitotenv.2023.165605

#### Political protests and their impacts on interdependent infrastructure systems

2023

*Yousaf Ali NEOMA Business School Muhammad Sabir*

*International Journal of Critical Infrastructures*, Volume 19, Issue 3, Pages 211-230

**Impact Factor:** 0.500 | **Quartile:** 4

**DOI:** <https://doi.org/10.1504/IJCIS.2023.130931>

#### A Cost-Benefit Analysis of the Iran-Pakistan Gas Pipeline

2022

*Yousaf Ali Daniyal Ullah Khan Muhammad Sabir Aadarsh Jaisinghani*

*Transnational Corporations Review*, Pages 1-13

**Impact Factor:** N/A | **Citations:** 1

**DOI:** [doi.org/10.1080/19186444.2022.2153576](https://doi.org/10.1080/19186444.2022.2153576)

#### Mode-Route Choice Decisions: A Case Study of CPEC Investment in Pakistan Railways

2022

*Yousaf Ali Muhammad Sabir*

*Scientific Journal of Silesian University of Technology. Series Transport*, Volume 115, Pages 5-21

**Impact Factor:** 0 | **Citations:** 1

**DOI:** <https://doi.org/10.20858/sjsutst.2022.115.1>

#### Improving inland freight logistic efficiencies: Is there any ideal modal spilt?

2022

*Yousaf Ali Muhammad Sabir Abdullah Abubaker Hayder Saad Syed BaazAli*

*Case Studies on Transport Policy*, Volume 10, Issue 2, Pages 777-784, June 2022,

**Impact Factor:** N/A | **Citations:** 3

**DOI:** <https://doi.org/10.1016/j.cstp.2022.02.005>

#### The choice between organic and inorganic farming: Lessons from Pakistan

2022

*Muhammad Sabir Yousaf Ali Abdullah Amjad Ali Jehangir Khan Zia-ur-Rehman*

*Renewable Agriculture and Food Systems*, Pages 1-8

**Impact Factor:** 2.657 | **Quartile:** 2 | **Citations:** 4

**DOI:** <https://doi.org/10.1017/S1742170522000072>

#### Risk assessment and mitigation for electric power sectors: A developing country's perspective

2022

*Obaid ur Rehman Yousaf Ali Muhammad Sabir Afridi*

*International Journal of Critical Infrastructure Protection*, Volume 36, Article Number 100507

**Impact Factor:** 2.865 | **Quartile:** 2 | **Citations:** 25

**DOI:** <https://doi.org/10.1016/j.ijcip.2021.100507>

#### Analysing role of businesses' investment in digital literacy: A case of Pakistan

2022

<p><i>Erum Irfan Yousaf Ali Muhammad Sabir Afridi</i>  <i>Technological Forecasting and Social Change</i>, Volume 176, Article Number 121484</p> <p><b>Impact Factor:</b> 8.593   <b>Quartile:</b> 1   <b>Citations:</b> 23  <b>DOI:</b> <a href="https://doi.org/10.1016/j.techfore.2022.121484">https://doi.org/10.1016/j.techfore.2022.121484</a></p>		
<p><b>Regional development through energy infrastructure: A comparison and optimization of Iran-Pakistan-India (IPI) &amp; Turkmenistan- Afghanistan-Pakistan-India (TAPI) gas pipelines</b></p> <p><i>Manzoor Ahmad Muhammad Sabir Afridi Yousaf Ali Sajjad Ali Shah</i>  <i>Operational Research in Engineering Sciences: Theory and Applications</i>, Volume 4(3), Pages 82-106</p> <p><b>Impact Factor:</b> N/A   <b>Citations:</b> 14  <b>DOI:</b> <a href="https://doi.org/10.31181/oresta091221082a">https://doi.org/10.31181/oresta091221082a</a></p>		2021
<p><b>Impacts of transport strike on Pakistan economy: An inoperability Input-Output model (IOM) approach</b></p> <p><i>Muhammad Bilal Yousaf Ali Muhammad Sabir</i>  <i>Research in Transportation Economics</i>, Volume 90, ID:100860, December 2021</p> <p><b>Impact Factor:</b> 2.627   <b>Quartile:</b> 2   <b>Citations:</b> 8  <b>DOI:</b> <a href="https://doi.org/10.1016/j.retrec.2020.100860">10.1016/j.retrec.2020.100860</a></p>		2021
<p><b>Urban Traffic Congestion Revisited: A Traveler's Perspective</b></p> <p><i>Muhammad Sabir Afridi Yousaf Ali</i>  <i>Theoretical and Empirical Researches in Urban Management</i>, Volume 16, Issue 4, Pages 34-54</p> <p><b>Impact Factor:</b> 0  <b>DOI:</b> <a href="https://www.jstor.org/stable/27076574">https://www.jstor.org/stable/27076574</a></p>		2021
<p><b>Economic Viability of Foreign Investment in Public Transport of Pakistan – Orange Line Metro Train in Focus</b></p> <p><i>Yousaf Ali Abdul Rahman Shamsher Lala Muhammad Sabir</i>  <i>Transnational Corporations Review</i>, Pages 1-13</p> <p><b>Impact Factor:</b> -   <b>Citations:</b> 2  <b>DOI:</b> <a href="https://doi.org/10.1080/19186444.2020.1851637">https://doi.org/10.1080/19186444.2020.1851637</a></p>		2020
<p><b>Structural changes in carbon dioxide (CO2) emissions in the United Kingdom (UK): an emission multiplier product matrix (EMPM) approach</b></p> <p><i>Yousaf Ali Rosita Pretaroli Muhammad Sabir Claudio Socci Francesca Severini</i>  <i>Mitigation and Adaptation Strategies for Global Change</i>, Pages 1-20</p> <p><b>Impact Factor:</b> 3.583   <b>Quartile:</b> 2   <b>Citations:</b> 11  <b>DOI:</b> <a href="https://doi.org/10.1007/s11027-020-09936-z">https://doi.org/10.1007/s11027-020-09936-z</a></p>		2020
<p><b>Plants Species Selection for Afforestation: A Case Study of the Billion Tree Tsunami Project of Pakistan</b></p> <p><i>Muhammad Sabir Yousaf Ali Imran Khan Aneel Salman</i>  <i>Journal of Sustainable Forestry</i>, Pages 1-14</p> <p><b>Impact Factor:</b> 1.510   <b>Quartile:</b> 3   <b>Citations:</b> 20  <b>DOI:</b> <a href="https://doi.org/10.1080/10549811.2020.1830802">https://doi.org/10.1080/10549811.2020.1830802</a></p>		2020
<p><b>Structural Decomposition Analysis to Investigate the Changes in Energy Consumption in Pakistan</b></p> <p><i>Yousaf Ali Sania Binte Saleem Muhammad Sabir</i>  <i>Journal of Systems Science &amp; Complexity</i>, Pages 1-19</p> <p><b>Impact Factor:</b> 0.926   <b>Quartile:</b> 4   <b>Citations:</b> 5  <b>DOI:</b> <a href="https://doi.org/10.1007/s11424-020-8148-6">https://doi.org/10.1007/s11424-020-8148-6</a></p>		2020
<p><b>Integration of green supply chain management practices in construction supply chain of CPEC</b></p> <p><i>Yousaf Ali Talal bin Saad Muhammad Sabir Noor Muhammad Aneel Salman Khaqan Zeb</i>  <i>Management of Environmental Quality</i>, Volume 31, No. 1, Pages 185-200</p> <p><b>Impact Factor:</b> -   <b>Citations:</b> 69  <b>DOI:</b> <a href="https://doi.org/10.1108/MEQ-12-2018-0211">https://doi.org/10.1108/MEQ-12-2018-0211</a></p>		2020
<p><b>A comparative input-output analysis of the construction sector in three developing economies of South Asia</b></p> <p><i>Yousaf Ali Noor Muhammad Yousaf Ali Muhammad Sabir Noor Muhammad</i>  <i>Construction Management and Economics</i>, Volume 37, Issue 11, Pages 643-658</p> <p><b>Impact Factor:</b> 0   <b>Citations:</b> 24  <b>DOI:</b> <a href="https://doi.org/10.1080/01446193.2019.1571214">https://doi.org/10.1080/01446193.2019.1571214</a></p>		2019

<b>Economic viability of foreign investment in railways: a case study of the China-Pakistan Economic Corridor (CPEC)</b> <i>Muhammad Sabir Muhammad Bilal Mehnab Ali Arshad Ali Khan Yousaf Ali</i> <i>Engineering Economist</i> , Volume 65, Issue 2, Pages 158-175 <b>Impact Factor:</b> 0.972   <b>Quartile:</b> 4   <b>Citations:</b> 17 <b>DOI:</b> <a href="https://doi.org/10.1080/0013791X.2019.1668096">https://doi.org/10.1080/0013791X.2019.1668096</a>	2019
<b>Identifying the sources of structural changes in CO2 emissions in Italy</b> <i>Yousaf Ali Maurizio Ciaschini Rosita Pretaroli Muhammad Sabir Claudio Socci</i> <i>Economia Politica</i> , Volume 36, Pages 509–526 <b>Impact Factor:</b> 0.453   <b>Quartile:</b> 4   <b>Citations:</b> 7 <b>DOI:</b> <a href="https://doi.org/10.1007/s40888-019-00150-y">https://doi.org/10.1007/s40888-019-00150-y</a>	2019
<b>An empirical investigation of the determinants of CO2 emissions: evidence from Pakistan</b> <i>Imran Khan Neloofar Khan Asim Yaqub Muhammad Sabir</i> <i>Environmental Science and Pollution Research</i> , Volume 26(9), Pages 9099–9112 <b>Impact Factor:</b> 3.056   <b>Quartile:</b> 2   <b>Citations:</b> 45 <b>DOI:</b> <a href="https://doi.org/10.1007/s11356-019-04342-8">https://doi.org/10.1007/s11356-019-04342-8</a>	2019
<b>Refugees and host country nexus: A case study of Pakistan</b> <i>Yousaf Ali Muhammad Sabir Noor Muhammad</i> <i>Journal of International Migration and Integration</i> , Volume 20, Pages 137–153 <b>Impact Factor:</b> -   <b>Citations:</b> 13 <b>DOI:</b> <a href="https://doi.org/10.1007/s12134-018-0601-1">https://doi.org/10.1007/s12134-018-0601-1</a>	2019
<b>A VIKOR based approach for assessing the social, environmental and economic effects of “smog” on human health</b> <i>Yousaf Ali Muhammad Razi Fabio De Felice Muhammad Sabir Antonella Petrillo</i> <i>Science of the Total Environment</i> , Volume 650, Part 2, Pages 2897-2905 <b>Impact Factor:</b> 5.589   <b>Quartile:</b> 1   <b>Citations:</b> 56 <b>DOI:</b> <a href="https://doi.org/10.1016/j.scitotenv.2018.10.041">https://doi.org/10.1016/j.scitotenv.2018.10.041</a>	2019
<b>Identification of factors influencing the rise of cesarean sections rates in Pakistan, using MCDM</b> <i>Yousaf Ali Muhammad Waseem Khan UbaidUllah Mumtaz Aneel Salman Noor Muhammad Muhammad Sabir</i> <i>International Journal of Health Care Quality Assurance</i> , Volume 31, Issue 8, Pages 1058-1069 <b>Impact Factor:</b> -   <b>Citations:</b> 13 <b>DOI:</b> <a href="https://doi.org/10.1108/IJHCQA-04-2018-0087">https://doi.org/10.1108/IJHCQA-04-2018-0087</a>	2018
<b>Forecasting incidence of dengue and selecting best method for prevention</b> <i>Muhammad Sabir Yousaf Ali Noor Muhammad</i> <i>The Journal of the Pakistan Medical Association</i> , Volume 68, Issue 9, Pages 1383-1386 <b>Impact Factor:</b> 0.642   <b>Quartile:</b> 4 <b>DOI:</b> <a href="https://jpma.org.pk/article-details/8857?article_id=8857">https://jpma.org.pk/article-details/8857?article_id=8857</a>	2018
<b>Selection of suitable site in Pakistan for wind power plant installation using analytic hierarchy process (AHP)</b> <i>Yousaf Ali Masab Butt Muhammad Sabir UbaidUllah Mumtaz Aneel Salman</i> <i>Journal of Control and Decision</i> , Volume 5, Issue 2, Pages 117-128 <b>Impact Factor:</b> -   <b>Citations:</b> 54 <b>DOI:</b> <a href="https://doi.org/10.1080/23307706.2017.1346490">https://doi.org/10.1080/23307706.2017.1346490</a>	2018
<b>Production planning of Pakistan Tobacco Company (PTC) using quantitative and multiple-criteria decision analysis - A case in-point</b> <i>Salman Yousaf Yousaf Ali Muhammad Sabir Muhammad Tahir Masood</i> <i>Journal of Multi-Criteria Decision Analysis</i> , Volume 24, Issue 5-6, Pages 239-256 <b>Impact Factor:</b> -   <b>Citations:</b> 9 <b>DOI:</b> <a href="https://doi.org/10.1002/mcda.1614">https://doi.org/10.1002/mcda.1614</a>	2017
<b>Pedestrian injuries and fatalities by patterns in reported road traffic crashes-Islamabad</b> <i>Yousaf Zia Muhammad Sabir Zia-ul-Islam Imran Ullah Saeed</i> <i>The Journal of the Pakistan Medical Association</i> , Volume 64, Issue 10, Pages 1162-1165 <b>Impact Factor:</b> 0.414   <b>Quartile:</b> 3 <b>DOI:</b> <a href="https://www.jpma.org.pk/article-details/7009?article_id=7009">https://www.jpma.org.pk/article-details/7009?article_id=7009</a>	2014
<b>Weather to travel to the beach</b>	2013

Muhammad Sabir Jos Van Ommeren Piet Rietveld  
*Transportation Research Part A: Policy and Practice*, Volume 58, Pages 79-86  
**Impact Factor:** 2.525 | **Quartile:** 1 | **Citations:** 12  
**DOI:** <https://doi.org/10.1016/j.tra.2013.10.003>

**Killing kilos in car accidents: Are external costs of car weight internalised?** 2013  
Jos Van Ommeren Piet Rietveld Jack Zagha Hop Muhammad Sabir  
*Economics of Transportation* , Volume 2, Issues 2–3, Pages 86-93  
**Impact Factor:** - | **Citations:** 11  
**DOI:** <https://doi.org/10.1016/j.ecotra.2013.06.001>

**Adverse Weather and Commuting Speed** 2011  
Muhammad Sabir Jos Van Ommeren Mark Koetse Piet Rietveld  
*Networks and Spatial Economics* , Volume 11, Issue 4, Pages 701–712  
**Impact Factor:** 0.940 | **Quartile:** 2 | **Citations:** 23  
**DOI:** <https://doi.org/10.1007/s11067-010-9130-y>

## Conference Proceedings

**A Multi-Criteria Cost-Benefit Analysis to optimize the oil supply networks** 2021  
Muhammad Bilal Muhammad Yousaf Muhammad Sabir Antonella Petrillo Fabio De Felice  
*20th International Conference on Modelling and Applied Simulation*, res.country(178,)  
**Citations:** N/A  
**DOI:** 10.46354/i3m.2021.mas.012

**Women entrepreneurship in developing countries: Simulation-based Fuzzy Topsis approach** 2020  
Yousaf Ali Muhammad Sabir Zounash Khan Antonella Petrillo  
*19th International Conference on Modeling & Applied Simulation (MAS 2020)*, res.country(88,)  
**Citations:** N/A  
**DOI:** DOI: 10.46354/i3m.2020.mas.001

## Book Chapters

**Accelerating Economic Growth and Development in FATA through Transport and Communication Infrastructure** 2021  
Muhammad Sabir  
In: *Book on Religion, Economics, and Politics in FATA-KP: The Enduring Challenges of Merged Tribal Districts in Northwestern Pakistan* Chapter 13, Pages 197-218  
**Citations:** N/A  
**DOI:** 10.3726/b14996

**Assessing the Potential for Food Self-Sufficiency on Fragmented Farms in FATA** 2021  
Shahnaz Akhtar Sher Ayaz Muhammad Sabir  
In: *Book on Religion, Economics, and Politics in FATA-KP: The Enduring Challenges of Merged Tribal Districts in Northwestern Pakistan* Chapter 12, Pages 179-195  
**Citations:** N/A  
**DOI:** 10.3726/b14996

**Weather and travel time of public transport trips: An empirical study for the Netherlands** 2010  
Muhammad Sabir Jos van Ommeren Mark J. Kotese Piet Rietveld  
In: *Book on Integrated Transport: Policy and Practice*, 1st Edition, Chapter 16, Pages 276-288  
**Citations:** N/A  
**DOI:** <https://doi.org/10.4324/9780203850886>

Editorial Activities

<b>Natural Resources Forum</b> Reviewed Papers for Journals <b>Impact Factor: 3.3</b>	2023
<b>Natural Resources Forum</b> Reviewed Papers for Journals <b>Impact Factor: 3.3</b>	2023
<b>Natural Resources Forum</b>  Reviewed Papers for Journals <b>Impact Factor: 2.732</b>	2022