

# Suleman Sarwar

Associate Professor

## Objective:

To excel in the field of teaching and training with the help of providing consistently improved skills and updated knowledge & performing research activities in the discipline of Economics and Financial Management.

## Working Experience:

2023 – At Present	<b>Associate Professor</b> Finance and Economics Department, University of Jeddah, Saudi Arabia
2018 – 2023	<b>Assistant Professor</b> Finance and Economics Department, University of Jeddah, Saudi Arabia
2010 – 2014	<b>Lecturer</b> Talent Institute, Lahore. Pakistan

## Education:

2014 – 2018	<b>PhD (Economics - Finance)</b> Shandong University, Jinan. China
2010 – 2013	<b>MS (Management Sciences - Finance)</b> COMSATS Institute of Information and Technology, Lahore. Pakistan
2006 – 2008	<b>MBA (Banking &amp; Finance)</b> Allama Iqbal Open University. Pakistan
2002 – 2005	<b>B.Sc (Economics)</b> Punjab University. Pakistan

## Research Grants/Awards/Achievements:

- Role of governance to achieve sustainable economic growth: in light of 2030 vision – University of Jeddah – Project Number – “UJ-21-DR-87”.
- Saudi Arabia’s Carbon Neutrality Target of Saudi Vision 2030: Impact of Energy Factors, Blue Economy, and Green Economy – University of Jeddah – Project Number – “UJ-22-DR-43”.
- Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research work through the project number MoF-IF-UJ-22-20744-1.
- Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research work through the project number MoF-IF-UJ-22-20744-2.
- Artificial Intelligence to Forecast the Electricity Consumption and Economic Growth – University of Jeddah – Project Number – “UJ-23-DR-152”.
- Forecast the Environmental Degradation in Saudi Arabia – University of Jeddah – Project Number – “UJ-23-SHR-33”.
- Stanford University and Elsevier's Top 2% of Research Scientists as per Citations in the World 2022, List of 2023.

## Editorial Responsibilities:

- **Associate Editor** of *Weather, Climate and Society Journal* (AMS)
- **Associate Editor** of *Journal of Public Affairs* (Wiley)
- **Review Editor** of *Frontiers in Sustainable Cities* (Frontiers)
- **Scientific Editor** of *Chinese Journal of Population, Resources and Environment* (Springer)
- **Guest Editor** of *Sustainability* (MDPI)
- **Guest Editor** of *Gondwana Research* (Elsevier)

## Conferences, Seminars, Workshops:

- **Organizer**, 2019 International Conference on Green Finance and Low-Carbon Economy. Jinan. China.
- **Workshop**, 2021 Mitigating the health risk from COVID-19 by improving public understanding through public communication in Delhi
- **Scientific Expert**, 2024 International Conference of Management Science (ICMS). Lahore Garisson University. Lahore. Pakistan.

## Published Research Papers:

Sarwar, S., Aziz, G., Waheed, R., & Morales, L. (2024). Forecasting the mineral resource rent through the inclusion of economy, environment and energy: Advanced machine learning and deep learning techniques. *Resources Policy*, 90(February), 104729. <https://doi.org/10.1016/j.resourpol.2024.104729>

Sarwar, S., Aziz, G., & Kumar Tiwari, A. (2024). Implication of machine learning techniques to forecast the electricity price and carbon emission: Evidence from a hot region. *Geoscience Frontiers*, xxx, 101647. <https://doi.org/10.1016/j.gsf.2023.101647>

Aziz, G., Waheed, R., Sarwar, S., Alsaggaf, M. I., & Khan, M. S. (2024). Addressing life expectancy and healthy life expectancy through environmental indicators : Novel dynamic autoregressive distributed lag estimation. *Natural Resources Forum*, April, 1–28. <https://doi.org/10.1111/1477-8947.12498>

Chen, Z., Sarwar, S., Waheed, R., Xia, Y., & Shahzadi, I. (2024). Nexus Between Life Expectancy, Education, Governance, and Carbon Emissions: Contextual Evidence from Carbon Neutrality Dream of the USA. *Journal of the Knowledge Economy* 2024, 1–32. <https://doi.org/10.1007/S13132-024-01839-7>

Gohar, M., Xu, L., Amin, W., & Sarwar, S. (2024). Do the greenwashing and corporate social responsibility are significant to mitigate the firm - level emissions : moderating role of environmental , social and governance indicators. *Environment, Development and Sustainability*, 0123456789. <https://doi.org/10.1007/s10668-024-04528-2>

Ramzan, M., Razi, U., Usman, M., Sarwar, S., & Talan, A. (2024). Role of nuclear energy , geothermal energy , agriculture , and urbanization in environmental stewardship. *Gondwana Research*, 125, 150–167. <https://doi.org/10.1016/j.gr.2023.08.006>

Qin, L., Aziz, G., Hussan, M. W., Qadeer, A., & Sarwar, S. (2024). Empirical evidence of fintech and green environment: Using the green finance as a mediating variable. *International Review of Economics and Finance*, 89(Part A), 33–49. <https://doi.org/10.1016/j.iref.2023.07.056>

Chen, Y., Zhou, Y., Raza, S. A., & Sarwar, S. (2024). What we learn from nexus between greener growth and energy-related emissions: Sustainability perspective evidence in context of financial globalization. *Geological Journal*, 59(2), 595–611. <https://doi.org/10.1002/GJ.4883>

- Cai, D., Aziz, G., Sarwar, S., Alsaggaf, M. I., & Sinha, A. (2024). Applicability of denoising based artificial intelligence to forecast the environmental externalities. *Geoscience Frontiers*, 101740. <https://doi.org/10.1016/j.gsf.2023.101740>
- Aziz, G., Sarwar, S., Waheed, R., & Khan, M. S. (2024). The significance of renewable energy, globalization, and agriculture on sustainable economic growth and green environment: Metaphorically, a two-sided blade. *Natural Resources Forum*, 48(3), 763–783. <https://doi.org/10.1111/1477-8947.12326>
- Aziz, G., Bakoben, H. B. M., & Sarwar, S. (2024). Repercussions of Pakistan's renewable and non-renewable energies to the environmental footprint: Applying the non-linear ARDL estimation. *Heliyon*, 10(13). <https://doi.org/10.1016/J.HELIYON.2024.E33472>
- Aziz, G., Sarwar, S., Waheed, R., Anwar, H., & Saeed Khan, M. (2024). Relevance of fintech and energy transition to green growth: Empirical evidence from China. *Heliyon*, 10(13), e33315. <https://doi.org/10.1016/j.heliyon.2024.e33315>
- Aziz, G., Strielkowski, W., Sarwar, S., & Tiwari, A. K. (2024). Implications of circular economy, digitalization and technological innovation to achieve sustainable environmental goal: Pre and post-vision 2030. *Heliyon*, 10(10), e30978. <https://doi.org/10.1016/j.heliyon.2024.e30978>
- Aziz, G., Sarwar, S., Yuan, Q., Waheed, R., & Morales, L. (2024). Reinvestigating the role of oil and gold for portfolio optimization in view of COVID-19 and structural breaks : Empirical evidence of BEKK , DCC and wavelet quantile based estimations. *Resources Policy*, 92(January 2023), 104957. <https://doi.org/10.1016/j.resourpol.2024.104957>
- Sarwar, S., Aziz, G., & Balsalobre-Lorente, D. (2023). Forecasting Accuracy of Traditional Regression , Machine Learning , and Deep Learning : A Study of Environmental Emissions in Saudi Arabia. *Sustainability*, 15(20), 14957. <https://www.mdpi.com/2071-1050/15/20/14957>
- Aziz, G., Sarwar, S., Khan, M. S., & Waheed, R. (2023). The prospect of green hydrogen in Saudi Arabia: an overview of theoretical and empirical approach. *Environmental Science and Pollution Research*, 1ea. <https://doi.org/10.1007/s11356-023-31301-1>
- Qadeer, A., Wasim, M., Ghazala, H., Rida, A., & Suleman, W. (2023). Emerging trends of green hydrogen and sustainable environment in the case of Australia. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-023-30560-2>
- Marco, T., Mighri, Z., Tiwari, A. K., & Sarwar, S. (2023). A quantile-time-frequency connectedness investigation through the dirty and clean cryptocurrencies spillover. *Journal of Cleaner Production*, 425, 138889. <https://doi.org/10.1016/J.JCLEPRO.2023.138889>
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- Zhang, W., Sun, B., Li, Z., & Sarwar, S. (2023). The Impact of the Digital Economy on Industrial Eco-Efficiency in the Yangtze River Delta (YRD) Urban Agglomeration. *Sustainability 2023, Vol. 15, Page 12328*, 15(16), 12328. <https://doi.org/10.3390/SU151612328>
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- Aziz, G., Sarwar, S., Waheed, R., & Khan, M. S. (2023). The significance of renewable energy, globalization, and agriculture on sustainable economic growth and green environment: Metaphorically, a two-sided blade. *Natural Resources Forum*, 4(11), 46. <https://doi.org/10.1111/1477-8947.12326>

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- Aziz, G., & Sarwar, S. (2023). Revisit the role of governance indicators to achieve sustainable economic growth of Saudi Arabia—pre and post implementation of 2030 Vision. *Structural Change and Economic Dynamics*, 66, 213–227. <https://doi.org/https://doi.org/10.1016/j.strueco.2023.04.008>
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- Sarwar, S., Shahzad, K., Fareed, Z., & Shahzad, U. (2021). A study on the effects of meteorological and climatic factors on the COVID-19 spread in Canada during 2020. *Journal of Environmental Health Science and Engineering*, 19(2), 1513–1521. <https://doi.org/10.1007/s40201-021-00707-9>
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- Sarwar, S., Tiwari, A. K., & Tingqiu, C. (2020). Analyzing volatility spillovers between oil market and Asian stock markets. *Resources Policy*, 66, 101608. <https://doi.org/10.1016/j.resourpol.2020.101608>
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- Waheed, R., Sarwar, S., & Dignah, A. (2020). The role of non-oil exports, tourism and renewable energy to achieve sustainable economic growth: What we learn from the experience of Saudi Arabia. *Structural Change and Economic Dynamics*, 55, 49–58. <https://doi.org/10.1016/j.strueco.2020.06.005>
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- Shahzad, U., Sarwar, S., Farooq, M. U., & Qin, F. (2020). USAID, official development assistance and counter terrorism efforts: Pre and post 9/11 analysis for South Asia. *Socio-Economic Planning Sciences*, 69, 100716. <https://doi.org/10.1016/j.seps.2019.06.001>
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- Sarwar, S., Alsaggaf, M. I., & Tingqiu, C. (2019). Nexus Among Economic Growth, Education, Health, and Environment: Dynamic Analysis of World-Level Data. *Frontiers in Public Health*, 7, 1–15. <https://doi.org/10.3389/fpubh.2019.00307>
- Sarwar, S., Shahbaz, M., Anwar, A., & Tiwari, A. K. (2019). The importance of oil assets for portfolio optimization: The analysis of firm level stocks. *Energy Economics*, 78, 217–234. <https://doi.org/10.1016/J.ENERCO.2018.11.021>
- Khalfaoui, R., Sarwar, S., & Tiwari, A. K. (2019). Analysing volatility spillover between the oil market and the stock market in oil-importing and oil-exporting countries: Implications on portfolio management. *Resources Policy*, 62(March), 22–32. <https://doi.org/10.1016/j.resourpol.2019.03.004>
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- Khan, M. K., He, Y., Akram, U., & Sarwar, S. (2017). Financing and monitoring in an emerging economy: Can investment efficiency be increased? *China Economic Review*, 45(February), 62–77. <https://doi.org/10.1016/j.chieco.2017.05.012>
- Sarwar, S., Chen, W., & Waheed, R. (2017). Electricity consumption, oil price and economic growth: Global perspective. *Renewable and Sustainable Energy Reviews*, 76, 9–18. <https://doi.org/10.1016/J.RSER.2017.03.063>
- Shahbaz, M., Sarwar, S., Chen, W., & Malik, M. N. (2017). Dynamics of electricity consumption, oil price and economic growth: Global perspective. *Energy Policy*, 108(May), 256–270. <https://doi.org/10.1016/j.enpol.2017.06.006>

## Courses Taught:

- |                               |   |
|-------------------------------|---|
| ▪ Principle of Macroeconomics | International Economics                             |
| ▪ Financial Economics         | Business Economics                                  |
| ▪ Financial Management        | Corporate Finance                                   |
| ▪ Econometrics                | Business Statistics                                 |
| ▪ Banking Management          | Operations Management                               |
| ▪ Life and Health Insurance   | Economics of Ideas, Innovation And Entrepreneurship |

## Research Profile:

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