

Muhammad Khalid Bashir

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Education	<u>PhD.</u> 2009-2013 University of Western Australia, Perth, Australia <u>M.Sc. (Hons.) Development Economics</u> 2004-2006 University of Agriculture, Faisalabad, Pakistan <u>M.Sc. Computer Science</u> 2001-2004 University of Agriculture, Faisalabad, Pakistan <u>B.Sc. (Hons.) Agri. Economics</u> 1997-2001 University of Agriculture, Faisalabad, Pakistan	
Computer Skills	<ul style="list-style-type: none"> Statistical Packages for Social Sciences (SPSS) Microsoft Excel R 	
Experience	Teaching & Research <ul style="list-style-type: none"> Serving as an Associate Professor (Tenured) in the Institute of Agricultural and Resource Economics, Faculty of Social Sciences, University of Agriculture, Faisalabad since 28/10/2021. Served as an Assistant Professor (TTS) in the Institute of Agricultural and Resource Economics, Faculty of Social Sciences, University of Agriculture, Faisalabad from 08/09/2014 to 27/10/2021. Served as an exchange faculty at Agricultural Economics Department, Selcuk University, Konya, Turkey from 15/11/2016 to 13/12/2016. Served as an Assistant Professor (TTS) in the Agricultural Policy Chair, US-Pakistan Centre for Advanced Studies- Agriculture/Food Security, University of Agriculture, Faisalabad from 19/06/2015 to 30/06/2016. Served as a Regular Lecturer in the Institute of Agricultural and Resource Economics, Faculty of Social Science (former Department of Development Economics, Faculty of Agri. Economics & Rural Sociology), University of Agriculture, Faisalabad from 16-07-2007 to 07/09/2014. Tutored Environmental Economics during in the years 2011, 2012 and 2013 at University of Western Australia. Worked as a researcher in the project "Social Learning: The Diffusion of Rooftop Photovoltaic System in Australia" from April to June 2013. Served as a Lecturer on contract basis in the Department of Development Economics, Faculty of Agri. Economics & Rural Sociology, University of Agriculture, Faisalabad from 12-12-2006 to 15-07-2007 Served as a Lecturer on contract basis in the Data Processing Unit, Faculty of Agri. Economics & Rural Sociology, University of Agriculture, Faisalabad from 23-07-2004 to 11-12-2006. Worked as assistant system administrator with Paknet Limited from 01-02-2004 to 30-06-2004. Worked as trainee assistant system administrator with Paknet Limited from 01-10-2003 to 31-01-2004. Worked as a researcher with FAUP (Faisalabad Area Up Grading Project) for one month. Administrative & Others <ul style="list-style-type: none"> Serving as In-charge Data Processing Unit, Faculty of Social Sciences, University of Agriculture, Faisalabad from 11/10/2019 to date (Additional Charge). 	

	<ul style="list-style-type: none"> Served as Secretary Faculty Board of the Faculty of Social Sciences, University of Agriculture, Faisalabad from 01/10/2019 to 28.02.2024 (Additional Duty) Served as Director, Procurement and Inventory Control, University of Agriculture, Faisalabad from 15.06.2021 to 14.07.2021. Served As Assistant System Administrator in Paknet limited Faisalabad for one year (2003-2004). Managed the Network for Skylark Internet Club for 3 years (2000-2003). <p>Editorial Experience</p> <ul style="list-style-type: none"> Academic Editor, PLOS One Associate Editor, Pakistan Journal of Life and Social Sciences (HEC Recognized, SCOPUS indexed) Associate Editor of Journal of Agricultural Policy and Food Security Member Advisory Editorial Board, Selcuk Journal of Agriculture and Food Sciences, Selcuk University, Konya, Turkey Article Editor SAGEOPEN Assistant editor of Pakistan Journal of Life and Social Sciences for three years (2006-2009). Reviewer: <ul style="list-style-type: none"> a. Renewable and Sustainable Energy Reviews, Elsevier b. World Development, Elsevier c. Ecology of Food and Nutrition, Taylor & Francis d. Public Health Nutrition, Cambridge e. Sage Open, SAGE f. SDPI g. Journal of Integrative Agriculture, Elsevier h. China Agricultural Economic Review, Emerald i. China Economic Review, Elsevier j. Social Indicators Research, Springer k. Educational Studies, Taylor & Francis l. Journal of Poverty, Taylor & Francis m. Ecology of Food and Nutrition, Taylor & Francis n. BMC Nutrition, BioMed Central, Springer o. Journal of Environmental and Agricultural Sciences, AgroPub p. International Conference on Food Security and Nutrition, Hong Kong q. Food and Agricultural Immunology, Taylor & Francis r. Journal of Development Effectiveness, Taylor & Francis s. Geomatics, Natural Hazards and Risk, Taylor & Francis t. Journal of the Saudi Society of Agricultural Sciences, Elsevier u. International Journal of Phytoremediation, Taylor & Francis v. Environmental Monitoring and Assessment, Springer
Publications (Research Papers)	<p>77) Dossa, L.I.K, M.K. Bashir, S. Hassan, and K. Mushtaq. 2024. Climate change impacts on agriculture: aggregate and sectoral evidence using the ARDL approach in Benin, West Africa. International Journal of Global Warming, 32(4): 418-439. DOI: 10.1504/IJGW.2024.10060055 (IF: 0.8 – HEC-Y)</p> <p>76) Sabir, M., M.S. Sultan, H. Magsi and M.K. Bashir. 2024. Socioeconomic implications of infrastructure development: Exploring the impacts of water infrastructure through stakeholders' perceptions. World Development Perspectives, 33 (100563): 1-7 https://doi.org/10.1016/j.wdp.2023.100563 (IF: 1.9 – HEC-X)</p> <p>75) Shami, T.K., M.A.R. Naseer, M.K. Bashir, S. Jabeen, S.A. Adil, M.S. Naseer and N. Amar. 2023. Analyzing optimal marketing channels in the vegetable supply chain: exploring factors influencing marketing channel selection. Journal of Economic Impact, 5(3): 258-268 DOI: https://doi.org/10.52223/econimpact.2023.5311 (HEC-Y)</p> <p>74) Razaq, S., M.K. Bashir*, M. Ashfaq, M.H. Mahboob, A.A. Humayon and M. Kan. 2023. Perception of people regarding recycling of household waste and willingness to be involved in waste management: A case study of Faisalabad. International Journal of Environment and Waste Management, 32(4): 442-454 DOI: 10.1504/IJEW.2021.10040362 (IF: 0.6 - HEC-Y *Corresponding author)</p> <p>73) Tahir, A., M.K. Bashir, S. Hassan, and A. Ali. 2023. Dynamics of formal and informal institutions on environmental quality in Pakistan. Journal of Education and Social Studies, 4(3): 585-599. (HEC-Y)</p>

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- 71) Dossa, L.I.K, **M.K. Bashir**, S. Hassan, K. Mushtaq. 2023. Modelling the effects of climate change on food production in Ivory Coast: Evidence from ARDL approach. *Journal of Economic Impact*, 5(2): 132-145, DOI: <https://doi.org/10.52223/jei5022302> (HEC-Y)
- 70) Mehmood, Y., M. Arshad and **M.K. Bashir**. 2023. Household income and food security during the COVID-19 pandemic in the urban slums of Punjab, Pakistan. *Local Environment*, 28(12): 1573-1589. DOI: 10.1080/13549839.2023.2238749 (IF: 3.59).
- 69) Usman, M., A. Ali, **M.K. Bashir**, K. Mushtaq, A. Ghafoor, F. Amjad, M. Hashim and S.A. Baig. 2023. Pathway analysis of food security by employing climate change, water, and agriculture nexus in Pakistan: partial least square structural equation modeling. *Environmental Science and Pollution Research*, 30: 88577-88598. DOI: <https://doi.org/10.1007/s11356-023-28547-0> (IF: 5.19).
- 68) Usman, M., A. Ali, **M.K. Bashir**, M. Radulescu, K. Mushtaq, A.H. Wudil, S.A. Baig and R. Akram. 2023. Do farmers' risk perception, adaptation strategies, and their determinants benefit towards climate change? Implications for agriculture sector of Punjab, Pakistan. *Environmental Science and Pollution Research*, 30: 79861-79882. DOI: <https://doi.org/10.1007/s11356-023-27759-8> (IF: 5.19).
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- 64) Mehmood, Y., M. Arshad and **M.K. Bashir**. 2022. Demand for institutional credit and determinants of credit constraints of farm households in Pakistan: Implications for sustainable rural development. *Pakistan Journal of Agricultural Sciences*, 59(6): 1003-1010 (IF: 0.618).
- 63) Farrukh, M.U., **M.K. Bashir** and M.F. Rola-Rubzen. 2022. Dynamic effects of urbanization, governance, and worker's remittance on multidimensional food security: An application of a broad-spectrum approach. *Socio-economic Planning Sciences*, 84(2022):101400. DOI: <https://doi.org/10.1016/j.seps.2022.101400> (IF: 4.641).
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- 31) Ahmad, U.I., L. Ying, **M.K. Bashir**, M. Abid, E. Elahi and M.A. Iqbal. 2016. Access to output market by small farmers: The case of Punjab, Pakistan. The Journal of Animal and Plant Sciences, 26(2): 787-793. Online available at <http://www.thejaps.org.pk/docs/v-26-03/29.pdf> **(Impact Factor: 0.481)-Q3**
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Supervised Thesis (PhD)	<p>5) Climate Change Impact on Agricultural Production in West African Economies (Supervisor)</p> <p>4) Impact of institutional quality and economic growth on environment: A new approach -- UAF (Supervisor)</p> <p>3) Dynamics of food security at national, household and individual's level in Pakistan -- UAF (Supervisor)</p> <p>2) Adaption to climate change strategy and its impact on technical efficiency of agricultural production in Punjab, Pakistan -- Universiti Putra, Malaysia (Co-supervisor)</p> <p>1) Rural household food security and market accessibility: The case of small farmers of the Punjab, Pakistan -- Huazhong Agricultural University, China (Co-supervisor)</p>
Supervised Research Titles (M.Sc. (Hons.) / MPhil Students)	<p>90) Comparative economic analysis of wheat and canola production in Punjab: A case study of district Sahiwal</p> <p>89) The impact of exchange rate on economic growth in Pakistan</p> <p>88) Nexus between public debt and economic growth: a time series analysis of Pakistan</p> <p>87) Economic, technical and environment efficiency of sugarcane production in district Layyah Punjab, Pakistan</p> <p>86) An economic and technical efficiency analysis of road side apiculture in Punjab</p> <p>85) Street vendor food, and food security: knowledge, perceptions, and preferences</p> <p>84) Impact of land grabbing on rural livelihood and food system in district Lahore</p> <p>83) Economic valuation of urban green areas and environmental disposition: a case study of Faisalabad</p> <p>82) Comparison of energy use of sesame and cotton in district Layyah</p> <p>81) Evaluating the influence of energy production in accelerating environmental degradation: A panel data analysis of selected South Asian Countries</p> <p>80) Economics of dairy farms and their environmental impacts</p> <p>79) Identification of policy gaps in breast cancer treatment in Punjab, Pakistan</p> <p>78) The nexus between agriculture production, economic growth, energy utilization and environmental degradation in west</p> <p>77) An economic and environmental assessment of grapes production in Baluchistan</p> <p>76) Impact assessment of integrated farming practices for better rural livelihood in rural Faisalabad, Pakistan</p> <p>75) Economic analysis of production cost of Bt cotton in Punjab, Pakistan</p> <p>74) Food waste quantification at household level in district Faisalabad</p> <p>73) An economic and social assessment of constructed wetlands adaptation in district Faisalabad</p>

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| | <p>72) Identification of motivational and success factors of women entrepreneurship</p> <p>71) Environmental effects of biogas technology of livestock manure in rural areas of Faisalabad, Pakistan</p> <p>70) Estimation of carbon footprints of potato and maize production in district Okara, Punjab, Pakistan</p> <p>69) Estimation of productive efficiency and emissions from livestock: A case study of district Muzaffargarh</p> <p>68) Climate change, food security and consumption behaviour: The case of Faisalabad</p> <p>67) Assessment of deprivations and inequalities: A comparative analysis of rural and urban areas of Faisalabad</p> <p>66) Rural entrepreneurship: Perception, opportunities and barriers in District Nankana Sahib, Punjab, Pakistan.</p> <p>65) Contribution of street vendors towards greenhouse gases emission: The case of Faisalabad</p> <p>64) Perceptions of people regarding the recycling of household solid waste and their willingness to involve in waste management</p> <p>63) The estimation of carbon and water footprints of sugarcane production</p> <p>62) Willingness to pay for solar energy in Jaranwala, Faisalabad</p> <p>61) An investigation of the efficiency of agricultural cooperatives: The case of Faisalabad</p> <p>60) Carbon footprints of smallholder farms in district Faisalabad</p> <p>59) An assessment of carbon and water footprints of cotton production: A case of district Vehari</p> <p>58) Estimation of household's perception and willingness to pay for solar energy in Faisalabad, Pakistan</p> <p>57) Life cycle assessment of dairy farms: Case study of district Vehari</p> <p>56) Estimation of carbon and water footprints if cotton production: The case of district Khanewal</p> <p>55) Solid waste management: Perceptions and effectiveness</p> <p>54) Food and nutritional security of childbearing aged women: Evidence from Narowal, Pakistan</p> <p>53) Food consumption pattern and food safety considerations of youth: The case of university students</p> <p>52) Impact of brick kilns child labour ordinance 2016: The case of Faisalabad</p> <p>51) Restoration of urban sewage drains in Faisalabad: perceptions and willingness to pay for restored drains and wetlands</p> <p>50) Contribution of female workers in improving household food security: The case of Faisalabad</p> <p>49) Impact of technical and vocational education on household food security: The case study of Faisalabad</p> <p>48) Economics of hope: A case of District Faisalabad</p> <p>47) The impact of agricultural credit on farm productivity and profitability</p> <p>46) Export potential of Pakistan towards China: Exploring CPEC opportunities in Agriculture</p> <p>45) Carbon footprints of livestock production: The case of district Faisalabad</p> <p>44) Estimation of household carbon footprints: The case of Faisalabad city</p> <p>43) Evaluation of agricultural credit choices and their determinants in Punjab, Pakistan</p> <p>42) Economic valuation of environmental attributes of houses: The case study of Faisalabad</p> <p>41) Comparative analysis on food and nutritional security in rural and urban areas of district Faisalabad</p> <p>40) The economics of food wastage at consumers' end: The case of Faisalabad city</p> <p>39) Economics of milk production in Sargodha</p> <p>38) Food safety practices and perceptions: the case of fast food street vendors and consumers of Faisalabad.</p> <p>37) The use of wastewater for irrigation purposes: perceptions and willingness to pay for treated wastewater.</p> <p>36) Comparison of forecasting techniques: the case of selected vegetables from Punjab and Sindh.</p> |
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	<p>35) Economics of milk production: The case of district Faisalabad</p> <p>34) An economic analysis of chickpea production in District Layyah of Punjab Province</p> <p>33) Impact of agricultural credit mis-utilization on productivity: The case of District Faisalabad</p> <p>32) Impact of poverty on children education and health status: A case study of Nankana Sahib</p> <p>31) Food and nutritional security of pregnant women in rural areas of District Faisalabad</p> <p>30) Role of females in livestock management practices: The case of District Faisalabad</p> <p>29) Perception and willingness to pay for solar energy: The case if Lahore City</p> <p>28) The impact of microcredit on household food security</p> <p>27) Food and nutritional security of school going children</p> <p>26) Role of NGOs in reducing rural poverty through livestock schemes: The case of District Khanewal, Pakistan</p> <p>25) Food and nutritional security of college going adult females in Faisalabad</p> <p>24) Input-output price mechanism in agricultural commodities with reference to household food security: A case study of Chiniot District</p> <p>23) Wage differential in public and private sector schools of Punjab, Pakistan: The case of District Faisalabad</p> <p>22) Economics of wheat growing and food security: A case study of small farmers of Chiniot District</p> <p>21) Farmers' perception regarding agriculture subsidy b Government of Pakistan: A case study of District Toba Tek Singh</p> <p>20) Impact of micro-financing on household food security of female entrepreneurs: The case study of Faisalabad</p> <p>19) Food and nutritional security of pregnant women in rural areas of District Lahore</p> <p>18) Impact of socio-economic factors on drinking water in rural areas: A case study of District Faisalabad</p> <p>17) Energy consumption, economic growth and CO₂ emissions nexus: The case of Pakistan</p> <p>16) Impact of governance system on national food security situation: A time series analysis</p> <p>15) An impact evaluation of Bus Rapid Transit based Metro in Lahore</p> <p>14) Food and nutritional security in urban and peri-urban areas of Rawalpindi</p> <p>13) The Efficiency and Economic Impact of Drinking Water: A Household Analysis in District Faisalabad</p> <p>12) Household Food and Nutritional Security in Peri-urban Areas of Faisalabad</p> <p>11) Food and Nutritional Security in Urban and Peri-urban Areas of Faisalabad City</p> <p>10) Determining the linkages of macroeconomic policy, agricultural output and commercialization in Pakistan: Implications for food security</p> <p>9) Willingness to pay for organic foods: Case study of Faisalabad City</p> <p>8) Investigating the impact of urbanization on household food security in peri-urban areas of Faisalabad City</p> <p>7) Measuring poverty using the marginalized approach and its impact in urban and peri-urban areas of Faisalabad City</p> <p>6) Household food security situation in Central Punjab, Pakistan.</p> <p>5) Gender disparity in education and its relationship with per capita income of household in Tehsil Gojra, District Toba Tek Singh.</p> <p>4) Estimation of the demand function of energy for industrial sector of Pakistan</p> <p>3) The role of commercial banks in the uplift of agricultural sector: A case of Lahore District</p> <p>2) Role of micro credit in alleviating poverty: A case study of Jhelum District</p> <p>1) Food security situation of rural and peri-urban areas: A case study of District Faisalabad</p>
Current Supervision	<p>2) PhD = 2 completed as Co-supervisor -- Huazhong Agricultural University, Wuhan, China and Universiti Putra, Malaysia</p> <p>5 (Ongoing as supervisor -- University of Agriculture, Faisalabad)</p> <p>3 (Ongoing as member supervisory committee -- University of Agriculture,</p>

	<p style="text-align: center;">Faisalabad)</p> <p>1) MSc (Hons) / MPhil 10 (Ongoing as supervisor -- University of Agriculture, Faisalabad)</p>
Projects	<p>13) Extent and drivers of crop diversification in Punjab Pakistan: A comparative analysis of diversified and non-diversified farming for sustainable farm income Ongoing Funded by PARB Role: Team member</p> <p>12) Adaptation mechanism of water, food and ecosystem synergistic security in CPEC under climate change Ongoing Funded by PSF (Pakistan) and NSFC (China) Role: Principal Investigator</p> <p>11) Pak-Korea Nutrition Centre to improve Child and Community Nutrition Ongoing Funded by KOICA and HEC Role: Co-Chair, Policy, Advocacy and Outreach Component</p> <p>10) Extent and impact of female labor participation on canola production in Southern Punjab, Pakistan and Productivity analysis and extent of female labor participation in mung bean production in Punjab, Pakistan Completed Funded by CSIRO, Australia Role: Co-Principal Investigator, UAF Team</p> <p>9) Efficient participatory irrigation institutions to support productive and sustainable agriculture in South Asia Completed Funded by ACIAR, Australia Role: Co-Principal Investigator, UAF Team</p> <p>8) Policy paper on cotton: The backbone of agricultural sector and textile industry-- Completed Funded by US-Pakistan Centre for Advanced Studies in Agriculture and Food Security (USPCAS) and Punjab Agricultural Research Board (PARB) Role: Principal Investigator</p> <p>7) Commodity analysis of selected vegetables i.e. onion, chilies, potatoes and tomatoes -- Completed Funded by US-Pakistan Centre for Advanced Studies in Agriculture and Food Security (USPCAS) and Punjab Agricultural Research Board (PARB) Role: Principal Investigator</p> <p>6) Rural entrepreneurship through cooperation: Lessons to be learnt from Turkish experiences -- Completed Funded by HEC / UAF Role: Principal Investigator</p> <p>5) Agriculture and Dairy Leadership Programme (PADLP) -- Completed Funded by Endowment Fund, UAF Role: Co-Principal Investigator</p> <p>4) Creating Wealth in Smallholder Farms through Efficient Credit Systems in Pakistan -- Completed Funded by ACIAR, Australia Role: Co- Principal Investigator (UAF component)</p> <p>3) Identification of socio-economic factors affecting food and nutritional status of female rural labourers, marginal farmers, and landless rural households -- Completed Funded by Ministry of Food Security and Research, Government of Pakistan Role: Principal Investigator</p> <p>2) Enabling agricultural policies for benefitting smallholders in dairy, citrus, and mango industries of Pakistan -- Completed Funded by ASLP-2 - ACIAR, Australia Role: Principal Investigator (UAF component)</p>

	<p>1) Food utilization among poor households in peri-urban areas of North and South Punjab, Pakistan -- Completed Funded by PSSP - IFPRI Role: Principal Investigator</p>
Awards / Distinctions	<p>13) Five (5) Best Paper Awards at the 3rd Student Research Conference 2019, COMSATS University, Islamabad- Vehari Campus 12) Best Young Research Scholar Award-2017, HEC Outstanding Awards, HEC 11) Three (3) Best Paper Awards at the International Conference on Sustainability in the Changing Environment & 2nd Student Research Conference 2018, COMSATS University, Islamabad- Vehari Campus 10) Outstanding Contribution in Reviewing, Energy Strategy Reviews, Elsevier, The Netherlands (2018) 9) Publons Peer Review Awards, 2017 -- Publons - Clarivate Analytics 8) Faculty Exchange, Mevlana Exchange Program, Turkey (2016) 7) Teaching Award, Express Media Group (2015) 6) Research Productivity Award-2015, Pakistan Council of Science and Technology 5) Best Research Paper Award 2013-14, HEC Outstanding Awards, HEC 4) School Prize for the Most Paper Citations - 2013, School of Agricultural and Resource Economics, University of Western Australia, Australia 3) Appreciation letter by Head of School, School of Agricultural and Resource Economics, University of Western Australia on Successful Completion of PhD (2013). 2) Postgraduate Showcase Presenter, Newsletter of the UWA Institute of Agriculture (2011) 1) PhD Scholarship won under Faculty Development Program (2007)</p>