

Dr. Muhammad Asif Kamran

Professor & Director

Agriculture Policy, Law and Governance Center,

Institute of Agricultural and Resource Economics

Faculty of Social Sciences

University of Agriculture, Faisalabad

Cell No. (+92) 334-6559919

E-mail: asif.kamran@uaf.edu.pk; asifkamran2012@gmail.com

Academic Qualifications

Ph.D.	2012	Asian Institute of Technology, Thailand
M.Sc. (Hons.)	2002	Agricultural Economics, University of Agriculture, Faisalabad
B.Sc. (Hons.)	2000	Agricultural Economics, <i>PMAS</i> University of Arid Agriculture, Rawalpindi

Professional Experience

10-06-2022 to date	Professor (BPS-21), Agriculture Policy, Law and Governance Centre, Faculty of Social Sciences, University of Agriculture, Faisalabad
June 6, 2017 to November 11, 2019	Agriculture Policy Chair at U.S. Pakistan Center for Advanced Studies in Agriculture and Food Security
Dec. 2010 to 10-06-2022	Sr. & Principal Scientist/Agricultural Economist (SPS-9 & SPS-10) at NIAB, Faisalabad
Jan. 2005-Nov. 2010	Junior Scientist/Agricultural Economist (SPS-8) at NIAB, Faisalabad
Feb. 2004-Dec. 2005	Scientific Officer (BPS-17); Pakistan Agricultural Research Council (PARC)
April 2003-Feb. 2004	Research Officer (BPS-17), D. G. Khan- Rural Development Project funded by the Asian Development Bank

Academic Interests

- Agricultural Policy Analysis
- Economic Analysis of Farming Systems
- Economics of Adaptation to Climate Change
- Gender and Agriculture
- Society and Natural Resources
- Irrigation management

Data Analytics Tools/Skills

- SPSS, STATA
- SQL, Power BI, PYTHON, MS ACCESS

Selected Relevant Publications

I. Peer Reviewed HEC Recognized Research Papers

1. Hussain, K., Hakki, E. E., Ilyas, A., Gezgin, S., & Kamran, M. A. (2024). Role of Nitrogen Fertilization and Sowing Date in Productivity and Climate Change Adaptation Forecast in Rice–Wheat Cropping System. *Nitrogen*, 5(4), 977-991. <https://doi.org/10.3390/nitrogen5040062>
2. Batool, K., Ali, G., Khan, K. U., & Kamran, M. A. and Yan, N. (2024). Integrating role of green buildings in achieving carbon neutrality in an era of climate emergency. *Sustainable Development*. 10.1002/sd.2883.
3. Muneer, S., Bakhsh, K., Ali, R Yasin, M.A. and Kamran, M.A. 2023. Farm households' perception and adaptation to climate change in relation of food crop productivity in Pakistan. *Environment, Development and Sustainability*. DOI:10.1007/s10668-023-03333-7
4. Rashed Saeed & Waqas Ali & Abdul Majeed Nadeem, 2023. "Weather Induced Risks, Mitigation Strategies and Farmers' Willingness to Participate in Flood Insurance Scheme in Punjab, Pakistan," *Journal of Economic Impact*, Science Impact Publishers, vol. 5(1), pages 15-21.
5. M. K. Bashir, A. U. Malik, M. U. Farrukh, S. Hameed, Kamran, M.A. and K. Ziaf. 2022. Forecasting tomato production under climate variability in Pakistan. *The Journal of Animal and Plant Sciences*. 32(1): 2022. <https://doi.org/10.36899/JAPS.2022.1.0417>
6. Sarwar, N., Akhtar, M., Kamran, M.A., Imran, M., Riaz, M.A., Kamran, K. and Hussain, S. 2020. Selenium biofortification in food crops: Key mechanisms and future perspectives, *Journal of Food Composition and Analysis*, Volume 93, <https://doi.org/10.1016/j.jfca.2020.103615>.
7. Ain, Q., Ullah, R., Kamran, M.A. and Zulfikar, F. 2020. Air pollution and its economic impacts at household level: willingness to pay for environmental services in Pakistan. *Environ Sci Pollut Res* DOI 10.1007/s11356-020-11023-4
8. Mohiuddin, I.; Kamran, M.A.; Jalilov, S.-M.; Ahmad, M.-U.-D.; Adil, S.A.; Ullah, R.; Khaliq, T. Scale and Drivers of Female Agricultural Labor: Evidence from Pakistan. *Sustainability* 2020, 12, 6633.
9. Ullah, R., Kamran, M.A. Shivakoti, G.P. and Zulfikar, F. 2019. Land Ownership and Catastrophic Risk Management in Agriculture: The Case of Khyber Pakhtunkhwa Province of Pakistan. *International Journal of the Commons*, 13(2)
10. Bakhsh, K., & Kamran, M. A. (2019). Adaptation to Climate Change in Rain-Fed Farming System in Punjab, Pakistan. *International Journal of the Commons*, 13(2), 833–847.
11. Kamran, M.A. and Shivakoti, G.P. (2013). Comparative institutional analysis of customary rights and colonial law in spate irrigation systems of Pakistani Punjab. *Water International*. Vol. 38, No. 5, pp. 601–619.
12. Kamran, M.A. and Shivakoti, G.P. (2013). Design principles in tribal and settled areas spate irrigation management institutions in Punjab, Pakistan. *Asia Pacific Viewpoint*. Vol. 54, pp. 206-217. Willey Backwell Publishers.
13. Kamran, M.A. and Shivakoti, G.P. (2013). Local risk perceptions to identify institutional and development planning needs. *Development in Practice*. Vol. 23, No. 4 (June 2013), pp. 575-588
14. T. Abbas G. Ali S. A. Adil M. K. Bashir, Kamran, M. A. (2017). Economic analysis of biogas adoption technology by rural farmers: The case of Faisalabad district in Pakistan. *Renewable Energy*, Vol. 107, pp. 431-439.

15. N. Sarwar, M. Imran, M. R. Shaheen, W. Ishaq, Kamran, M.A., A. Matloob, A. Rehim, S. Hussain. (2017). Phytoremediation strategies for soils contaminated with heavy metals: modifications and future perspectives. *Chemosphere*, Vol. 171, pp. 710-721.
16. Ullah, R., Shivakoti, G.P., Zulfiqar, F., Kamran, M.A. (2016). Farm risks and Uncertainties: sources, impacts, and management. *Outlook on Agriculture*. Vol. 45, No. 3, pp.199-205.
17. Ullah, R., Shivakoti, G.P., Zulfiqar, F., Kamran, A. (2016). Farmers versus nature: managing disaster risks at farm level. *Natural Hazards*. Vol. 82, No. 3, pp. 1931-1945.
18. Bakhsh, K., Ahmad, N., Kamran, M. A., Hassan, S., Abbas, Q., Saeed, R., Hashmi M. (2016). Occupational hazards and health cost of women cotton pickers in Pakistani Punjab. *BMC Public Health*, Vol. 16, No. 961.
19. Rauf, S., Bakhsh, K., Hassan, S., Nadeem, A.M. and Kamran, M. A. (2015). Determinants of the household's choice of drinking water source in Punjab, Pakistan, *Polish Journal of Environmental Studies*, Vol. 24 (6).
20. Ullah, R., Shivakoti, G. P., Rehman, M., and Kamran, M. A. (2015). Catastrophic Risks Management At Farm: The use of Diversification, Precautionary Savings and Agricultural Credit. *Pakistan Journal of Agricultural Sciences*, Vol. 52, No. 4, pp. 1135-1142.
21. Bakhsh, K., Maqsood, A., Hassan, S., Kamran, M.A. (2014). The economic role of livestock assets in cotton productivity in Punjab, Pakistan. *Pakistan Journal of Agricultural Sciences*, Vol. 51, No. 4, pp. 1091-1094.
22. Kamran, M., Anjum, M., Rehman, M., Kamran, M. A. and Saleemi, F. (2015). Information Communication Technologies for Irrigation Management Systems: An empirical investigation, *Pakistan Journal of Science*, 68 (1), pp. 82 – 85. (X-category)
23. Rehman, M., Anjum, M., Askri, F., Kamran, M. A. and Esichaikul, V. 2016. Mobile learning adoption framework: An empirical investigation from learners perspective. *Journal of Quality and Technology Management*, 12 (1), pp. 1 - 43
24. Ullah, R., Rehman, M., Anjum, A., Kamran, M. A., Bakhsh, K., and Saboor, A. (2016). Navigating farming risks by simultaneous diversification and credit through formal and informal communication channel. *Pakistan Journal of Agricultural Research*, Vol. 29, Issue 4, pp. 381-391 (Y-category)
25. Adil, S.A., Bakhsh, K., Qamar, S. and Kamran, M.A. (2014). Better Management Practices and Sugarcane Productivity: An Econometric Analysis. *Pakistan Journal of Social Sciences*. Vol. 34, No. 2, pp. 577-587. (Y-category)
26. Bakhsh, K., Hassan, S., Kamran, M.A. and Saeed, R. (2014). Determinants of Environmental Efficiency in Bitter Gourd Production in Pakistani Punjab. *Pakistan Journal of Social Sciences*. Vol. 34, No. 1, pp. 167-176. (Y-category)
27. Adil, S.A., Badar, H. and Kamran, M.A.. (2003). Impact of micro-credit on poverty alleviation and agricultural production – A case study of NRSP, D. G. Khan region. *Journal of Agricultural Research*, Vol. 42, pp. 309-316. (Y-category)

II. Trainings/Professional courses/Workshops/Conferences

28. Conducted Gender Mainstreaming Workshop with Official of Agriculture Department of KP for Action Plan Preparation on 12 Dec 2024.
29. Delivered Series of Lectures in CABI organized workshops for Extension Departments of Punjab, KP and AJK on 'Gender in Agriculture', and 'Agriculture Marketing and Value Chains' during December 2024
30. Presented paper in "2nd Biotechnology Youth Forum" organized by IOFS at Astana, Kazakhstan on 4-5 July 2023
31. Presented paper in ADBi, UoQ and ACIAR's "Policy-Research Interface Mediation and Enabling (PRIME) Workshop: Climate Adaptation and Inclusive Development in Agricultural Sector for South Asia" held on 12–16 June 2023 at Kathmandu
32. Presented paper in 3rd retreat of OCeAN entitled 'Resilient Community Irrigation Management in Context of Climate Change and multifunctional Rural-Urban Water Use competition in Asia' on 24-27 June 2022 at AIT Thailand and Chiang Mai University Thailand.
33. Attended 'workshop on Computing with Python' on February 25-26, 2020
Organized by PINSTECH, Islamabad, Pakistan
34. Cost Benefit Analysis of selected land use activities in Mountain Agriculture in context of Environmental and Resource Economics on 18-22 September 2017 jointly organized by College of Natural Resources, Royal University of Bhutan, Humboldt University of Berlin and University of Hohenheim Germany
35. International Workshop on "Science Communication Portfolio: A Guide to Creating Communication Materials that Complement Science" held on 10-11 January 2017 at COMSTECH, Islamabad, Pakistan.
36. Summer School and Workshop on 'Water Informatics, Science and Systems' held at LUMS on May 20-23, 2017.
37. Fall School on 'Water science, Policy and Governance' organized by WIT center, Lahore University of Management Sciences on 7-9 November 2016.
38. Training workshop "Effective Communication Skills and Innovative Methods for Outreach and Extension" organized by US Pakistan Center for Advanced Studies, UAF on 8-9 December 2016.
39. One Year LEAD Fellowship Training/Fellowship on Future Water Leaders and attended 4 learning session on 'Trans-boundary Water Management', 'Regional Dialogue on Development, Democracy and Peace', 'Hydro-hazaeds', 'Groundwater issues and institutions' along with Write-shops related to trainings during 2014-2015. Manuscript on transboundary water issues based on fellowship write-shops was published by LEAD.
40. Mid- career professional managerial trainings (4-Quadrant program) from International Affairs and Trainings Division of Pakistan Atomic Energy Commission (sessions held on Effective Communication, Ethics, Leadership, Interpersonal Relationships, Establishment Rules, Procurement Rules, and Project Management on 18-29 May 2015; 10-21 August 2015 & 1-12 August 2016).
41. Participated in Training Course on "Sustainable Water Management" organized by Organization of Islamic Countries (OIC) Committee on Science and Technology (COMSTECH) on August 28-30 October 2013.
42. Participated in One-Week Intensive Training Course on 'Foresight for Innovation Policy' at COMSTECH, Islamabad on 26-30 August 2013.

43. Participated in International Workshop on 'Intelligent Water Grids' held at LUMS on 16-19 March 2013.
44. Participated in SANDEE-LUMS 'Research and Writing Workshop' on 6-9 March 2013.
45. Participated in 'Water Policy Modeling Workshop' organized by Pakistan Strategy Support Program at UAF on January 28-February 01, 2013.
46. Participated in ASU-NSF irrigation project training workshop on 'Irrigation Experiments' on 27-31 July 2012 held at AIT, Thailand.
47. Attended 'Financial analysis for decision making' on 1-5 October 2012 at Pakistan Institute for Engineering and Applied Sciences (PIEAS), Islamabad.
48. Participated in 'Supply system architecture: Design and analytical techniques' on 20-24 February 2012 at PIEAS, Islamabad.
49. Training course on '*Policy Analysis*' organized by South Asian Network on Development and Environmental Economics (SANDEE) in 2011.
50. Training course on 'Groundwater myths and realities' organized by IGES & UNESCO-IHE on June 1, 2011.
51. Participated in workshop on 'Intensive Program on Sustainability (IPoS 2010)' organized by University of Tokyo and AIT with funding from NISSAN Foundation, held in Japan on 4-13 December 2010 in Japan.
52. Training course on 'Producing More with Less'- Regional Knowledge Exchange Workshop on System of Rice Intensification (SRI). FAO training course held at AIT, Thailand. June 22-24, 2009.
53. Certificate for the course on 'Olympe approach and software for application in farming research' organized by CIRAD; INRA and AIT, Thailand on 3-6 June 2008.
54. Participated in South Asian Network for Development and Environmental Economics (SANDEE) training course entitled 'Introductory course on Environmental and Natural Resources Economics' on 05-23 May 2008 at AIT, Thailand.
55. Participated in a training course entitled 'Environmental Economics and Development Policy' by the World Bank Institute and Asian Development Bank; on 14-25 January 2008.
56. Participated in International Forestry Resources and Institutions (IFRI) Training program organized by IFRI, Michigan State University and AIT held at AIT on June 04-July 27, 2007.
57. Participated in seminar on 'Intellectual Property Rights in Agriculture' hosted by National Productivity Organization and Pakistan Agri. Research Council on 3-7 April 2006.

Funded Projects

S.No	Project Title	Funding Agency
1	Food safety knowledge, attitude and behaviour in consumers	CABI
2	Women labor participation: assessing women's role in agriculture (a case study of Punjab Rice-Wheat system)	CSIRO
3	Impact Assessment of Cotton Mutant Varieties in Pakistan IAEA CRP # 24335	IAEA
4	Precision Agriculture and Analytics Lab	HEC, Pakistan
5	Crop water productivity assessment of major cropping Systems in Sindh and Punjab	CAS-W, MUET, Sindh
6	Piloting Precision Agriculture technologies in selected AEZs of Punjab	ADP, Govt, of the Punjab

7	Institutional dynamism and performance of irrigation systems amid climate, demographic and market changes: cases from Pakistan	EFS
8	Climate resilient and adaptive water allocation in Pakistan.	ACIAR/CSIRO
9	Empirical Study of Health Risks Associated with Tomato Cultivation, post-harvest handling and Industrial Processing'	CABI
10	Assessment of capacity gaps of pesticide spray labor in Pakistan	CABI
11	An Economic Study of Planting Trees and Shrubs on saline affected farms in the Southern Indus Basin	ACIAR/University of Canberra