

CV



Name: Muhammad Ashfaq
Date of Birth: August 25, 1960
Nationality: Pakistani
Marital Status: Married
CNIC: 33100-1016516-9
Postal address: 188 Eden Garden (Nawab Block), Daewoo Road
Faisalabad, Pakistan. 38000
Phone (Office): +92-41-2640363
Cell: 92-300-662 6237
Fax: +92-41-9200193
E-mail: ashfaq9@hotmail.com, mashfaq@uaf.edu.pk

Key Areas of Interest, Expertise and Experience

- Agricultural Policies
- Impact Assessment of Interventions and climate change
- Irrigated Agriculture
- Economics aspects of Livestock/Diseases

Experience:

1. Teaching and research (Lecturer) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad from 01-08-1988 to 30-05-1990.
2. Teaching and research (Lecturer) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad from 05-09-1991 to 06-02-1995.
3. Study leave (for Ph.D) from 06-03-1995 to 1999
4. Teaching and research (Lecturer) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad from 16-10-99 to 06-04-2000.
5. Teaching and research (Assistant Professor) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad, from 07-04-2000 to 19-1-2004.
6. Assistant Coordinator, Deptt. of Business Management Sciences (Evening College), University of Agriculture, Faisalabad from 08-05-2000 to 04-11-2001.
7. Incharge Data Processing Unit, University of Agriculture, Faisalabad, from 2000-2001
8. Agricultural Economist, International Water Management Institute (IWMI), 6-11-2001 to 5-11-2003.
9. Teaching and research (Chairman/Associate Professor) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad, from 20-1-2004 to 7-1-2011
10. Teaching and research (Chairman/Professor) in the Deptt. of Agri-Eco. University of Agriculture, Faisalabad, from 8-1-2011 to 22-5-2012.
11. Professor and Director Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad from 23-5-2012 to 22-5-2015.
12. Professor, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad from 23-5-2015 to 24-8-2020.

13. Director External Linkages, University of Agriculture, Faisalabad from 12-6-2015 to 06-4-2016.
14. Chair, Agriculture Policy, USPCA-AFS from 30-11-2016 to 6-6-2017
15. Chairman Sports Board, University of Agriculture, Faisalabad from 07-4-2016 to 24-8-2020.
16. Professor (Visiting), Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad from Oct 2020 to date.

Honours and Awards:

1. Higher Education Commission of Pakistan (HEC) recognized supervisor for M.Sc, MPhil and Ph.D studies
2. International linkage award from HEC for Australia in 2004.
3. Supervisor for ICDD, Kassel University, Germany
<http://www.uni-kassel.de/einrichtungen/icdd/graduate-school/academic-supervisors.html>
4. Section Editor, Pakistan J. of Agricultural Sciences, <http://pakjas.com.pk/>
5. Member Editorial Board, Journal of Soil and Environment (2013)
<http://www.se.org.pk/about.php>
6. TWAS Associateship award 2011
7. Pakistan Program for Collaborative Research (PPCR)” award to visit Reading University UK by HEC 2011
8. Australian Alumni Excellence Award 2013 for Innovation and Research – Pakistan
9. Resource Person in ‘Decision Support System for Agro-Technology Transfer Training Program, held in Konya-Turkey. Dec. 07-18, 2015. Organized by Bahri Dagdas International Research Institute and Ministry of Food, Agriculture and Livestock, Turkey.

Books:

1. The WTO: A handbook for learners, 2008
2. Economics of Water Resources in Pakistan, 2009
3. Production, Management and Marketing of Cut-Flower, 2015
4. Principles of Agricultural & Resource Economics, a multi-authored book has been written/complied/edited, 2017. <http://onlinebooks.uaf.edu.pk>
5. Economics for Business Managers, 2017. <http://onlinebooks.uaf.edu.pk>

Qualifications:

<i>Degree/Certificate</i>	<i>Major Subjects</i>	<i>Institution</i>	<i>Year</i>
Post Doc	Agri-Policies	University of Laval, Canada	Nov.2006 to Jan. 2008
Irrigation Management	Water Management in Pakistan	University of New England, Australia	2004
PhD	Agri. Economics, Policy Evaluation, Methods for Agriculture and Resource Economics, Applied Production and Price Analysis,	University of New	1995-99

	Applied Econometric, Quantitative Analysis and Rural Resource Policies in Developing Countries	England, Australia	
Agricultural Marketing and Sales	Seminar-Agricultural, Computer in Business Lab, Advertising, Agric. Product Marketing, Supply chain, Managerial Economics, Group Study and Planning for Developing	Colorado State University, U.S.A.	1990-91
M.Sc. (Hons.)	Micro Economics, Macro Economics, Mathematics for Economics, Econometrics, International Trade, Production Economics, Agricultural Policy, Experimental Statistics, Water resource management	University of Agriculture, Faisalabad.	1986-87
B.Sc. (Hons.)	Agricultural Economics	UAF	1982-85

Book Chapters:

- 1- Food Security Situation among Rural Households of District Faisalabad, Pakistan. Sustainable Development in south Asia: Shaping the Future, Section 4, SDPI, Sang-e-Meel Publications, Lahore. 2014
- 2- Impact of climate change on the rice-wheat cropping system of Pakistan in Handbook of climate change and agroecosystem. 2015. Ashfaq A, M. Ashfaq, G. Rasul, S.A. Wajid, T. Khaliq, F. Rasul, U. Saeed, M. H. Rehman, J. Hussain, I.A. Baig, S.A.A. Naqvi, S.A.A. Bokhari, S. ahmad, W. Naseem, G. Hoogenboom and R.O. Valdivia. Imperial College Press, Singapore. www.agmip.org
- 3- Chapter 19. Economics of Irrigation Water, contributed to Faculty of Agri-Engineering for the book. Muhammad Ashfaq, Javaria Nasir and Irfan Ahmad Baig.
- 4- Chapter 13. Agricultural Marketing: Problems and Possible Solution. Muhammad Ashfaq and Asad ur Rehman
- 5- Chapter 8, Economics of Risk Management. Muhammad Ashfaq and Syed Asif Ali Naqvi.
- 6- ‘Sustainable Agriculture and Water Challenge’, contributed to WWF-Pakistan for book by Muhammad Ashfaq and Irfan Ahmad Baig.
- 7- Data Analysis techniques. Muhammad Ashfaq, Sadia Akhtar Awan and Javaria Nasir. Chapter contributed to Institute of Agri. Extension and Rural Development, UAF.
- 8- “Fiscal Policy in Agriculture” in “Developing Sustainable Agriculture in Pakistan, 2018”. Tahira Sadaf, Muhammad Ashfaq, Rakhshanda Kousar and Qaisar Abbas. Prime author of ISBN: 978-0-8153-6653-9. Boca Raton: CRC Press. Taylor and Francis Inc.
- 9- Climate Policy, 2020. Javaria Nasir, Muhammad Ashfaq, and Rakshanda Kousar. Published by Springer Nature Singapore Pte Ltd. 2020. V. Venkatramanan et al. (eds.), Global Climate Change: Resilient and Smart Agriculture, https://doi.org/10.1007/978-981-32-9856-9_16
- 10- Representative Agricultural Pathways: A Multi-Scale Foresight Process to Support Transformation and Resilience of Farming Systems. 2021. Roberto O Valdivia, Sabine Homann-Kee Tui, John M Antle, Nataraja Subash, Harbir Singh, Swamikannu Nedumaran, Ibrahima Hathie, Muhammad Ashfaq, Javaria Nasir, Geethalakshmi Vellingiri, Lakshmanan Arunachalam, Lieven Claessens, Dilys S MacCarthy, Samuel Adiku, Wiltrud Durand, Caleb Dickson, Hermine Mitter, Martin Schönhart. HANDBOOK OF CLIMATE CHANGE AND AGROECOSYSTEMS: Climate Change and Farming System Planning in Africa and South Asia: AgMIP Stakeholder-driven Research, Part 1

11- Development of Climate Change Adaptation Strategies for Cotton–Wheat Cropping System of Punjab Pakistan. 2021. Ashfaq Ahmad, Muhammad Ashfaq, Ghulam Rasul, Syed Aftab Wajid, Ishfaq Ahmad, Tasneem Khaliq, Javaria Nasir, Fahd Rasul, Farah Riaz, Burhan Ahmad, Shakeel Ahmad, Irfan Ahmad Baig, Roberto O. Valdivia and Gerrit Hoogenboom See fewer authors
https://doi.org/10.1142/9781786348814_0006

12- Groundwater markets in the Indus Basin Irrigation System, Pakistan.
 IA Baig, M Ashfaq, R Afzal. Water Markets: A Global Assessment. Edward Elgar Publishing Limited UK.2021

Supervision of Students (No.):

Degree program	Supervisor	Co-supervisor	Status of students
Ph.D	10	2	Completed
“	1	1	Completing
M.S	94	12	Completed
M.Phil	54	2	Completed

Projects completed/underway:

1. Economics of crop rotation in Punjab, Pakistan (Team member). Funded by Govt. of Pakistan. 1988.
2. Cost of production of major crops in Pakistan (Team member), Funded by Govt. of Pakistan. 1989.
3. Economic Analysis of wheat price policies in Pakistan (Self). Funded by World Bank. 1999.
4. Impact assessment of irrigation infrastructure on poverty in Pakistan (Team member). Funded by JBIC, Japan. 2003.
5. Pro-poor intervention strategies in irrigated agriculture in Pakistan (Team member). Funded by ADB. 2003.
6. Impact of Special Agricultural Safeguards on Trade Flows. (Self), funded by Higher Education Commission of Pakistan. 2007
7. Economics of waste-water use in peri-urban areas of Pakistan (Self), Funded by International Water Management Institute (IWMI), 2008.
8. Water productivity in Barka farms of Oman, Funded by Govt. of Oman, 2008.
9. Enhancing water productivities through use of Resource Conservation Technologies and rationalization of cropping patterns (Team member), Funded by Govt. of Pakistan 2010.
10. Impact evaluation study of the project “National program for improvement of watercourses in Pakistan”, (Agri-Economist – team member) 2010-11, Funded by Govt. of Pakistan.
11. An Economic analysis of different Production Technologies of Sugarcane in Faisalabad, 2010 (Funded by UAF).
12. Preparation of Policy Papers on Economic Aspects of Irrigation Water, 2010-11 (Funded by Endowment Secretariat, UAF)

13. Development & Application of Decision-Support Tools to Conserve & Sustainably Use Genetic Diversity in Indigenous Livestock & Wild Relatives in Pakistan. Agri-Economist, Funded by GEF, 2011-14.
14. Developing guidelines on social mobilization for FOs. Project funded by JICA 2011-2012
15. **The poverty alleviation and rural women empowerment through propagation of beetal goat project. Project funded by TiKA 2012-2017**
16. Water Rehabilitation and improvement in Pakistan: Demonstration and disseminating the best practices and technology to help rural farmers. Project funded by ICARDA, 2012-2014
17. **Economic analysis of livestock diseases, project funded by IFPRI, 2012-13**
18. Budgeting dietary protein and carbohydrates fraction: A practical approach to escalate rumen dynamics for maximizing productive potential of dairy beetal goats. Project funded by Pakistan Science foundation (PSF), 2011-2013
19. Modelling the impact of climate change on wheat, rice and cotton in Pakistan, Funded by AgMIP-USA, 2012-16
20. Enhancing Water Productivity by Using Feasible Efficient Irrigation Techniques, project funded by IPFRI (USAID), 2012-13
21. **DNA barcoding and biochemical profiling of medicinal plants of Northern and desert areas of Pakistan: Improving socio-economic standard of people of these regions, project funded by IFPRI (USAID), 2012-13**
22. Impact of the wheat price support program on small farmers, low income consumers and food security, project funded by HEC 2013-15
23. Food utilization among poor households in peri-urban areas of North and South Punjab, Pakistan. Project funded by IPFRI (USAID), 2014-15
24. **Involving rural women for establishing entrepreneurship through propagation of Sahiwal cows. Project funded by TiKA 2018-2019**
25. **Strategies to Control Diseases and Increasing Productivity of Livestock Sector through Improved Breeding in Punjab, Pakistan. Project funded by IFPRI (USAID), 2014-15**
26. Improving groundwater management to enhance agriculture and farming livelihoods in Pakistan. Funded by ACIAR (Australia) July 2016-July 2021.
27. Efficient participatory irrigation institutions to support productive and sustainable agriculture in south Asia. Funded by ACIAR (Australia) July 2016-July 2020. Partner Country Project leader.
28. **Strengthening vegetable value chains in Pakistan for greater community livelihood benefits. Funded by ACIAR (Australia) Oct 2017-Sept 2021. Agribusiness / Rural Development Expert**
29. Guidelines for Calculation of Cost of Production for Major Agricultural Commodities. 2017-18 Funded by US-PCAS.

Research Publications:

1. Aslam, M. and Ashfaq, M. 1989. Estimation of Yield Response Functions of Wheat in the Punjab, Pakistan Agriculture, (12), 33-35, Karachi, Pakistan.
2. Aslam, M; Ahmad M; Ashfaq, M. and Rehman, M.S. 1990. Determining Contribution of Main Factors of Production on Yield of Sugarcane, Pakistan Agriculture, 12 (7,8), 19-25, Karachi, Pakistan.
3. Adil, S.A; Ashfaq, M and Yaqoob, M. 1992. Energy - Output Relationship: A Case Study of Cotton and Wheat, J. of Rural Development and Administration. 24(4), 133-138, Peshawar, Pakistan.

4. Ashfaq, M and Adil, S.A. 1993. Irrigated Plantations Vs Crop Culture: An Economic Appraisal, *J. of Rural Development and Administration*. 25(1), 119-124, Peshawar, Pakistan.
5. Aziz, Z; Ashfaq, M; Hussain, M.S and Hamid, M.A. 1993. Marketing Margins of Major Vegetables, *Modern Agriculture*, 4(6), 17-25, Hyderabad, Pakistan.
6. Aziz, Z; Ashfaq, M. 1993. An Economic Appraisal of Alternative Usages of Sugarcane, *J. of Rural Development and Administration*. 25(4), 116-125, Peshawar, Pakistan.
7. Chaudhry, M.A; Ashfaq, M. and Parveen, A. 1994. Economics of Wheat planting in Standing Cotton, *Modern Agriculture*, 5(7), 10-13, Hyderabad, Pakistan.
8. Adil, S.A; Asghar, M. and Ashfaq, M. 1995. Agrarian Transformation in Pakistan: Policy Implications for the Future, *J. of Rural Development and Administration*, 26(2), 148-155, Peshawar, Pakistan.
9. Ashfaq, M; Griffith, G; Parton, K. and Piggott, R. 1999. A Multilevel Model of the Wheat Market in Pakistan: A Theoretical Approach, *J. of Rural Development and Administration*. 26(3), 1-9, Peshawar, Pakistan.
10. Ashfaq, M; Griffith, G; and Parton, K. 2001. Welfare Effects of Government Intervention in the Wheat Economy of Pakistan. *Pak. J. of Agricultural Economics* 4(1), 25-33, Islamabad, Pakistan.
11. Ashfaq, M; Griffith, G; and Parton, K. 2001. An Econometric Model of Wheat Market in Pakistan. *Pak. J. of Agricultural Economics* 4(2), 99-113 Islamabad, Pakistan.
12. Ashfaq, M; Ahmad, S. and Hussain, M. 2001. Analytical Ascertainment of the Contribution of Area and Yield Towards Production of Cotton Lint in the Punjab Province, *Pakistan Journal of Applied Sciences*, 1(1): 61-63, Faisalabad, Pakistan.
13. Ashfaq, M; Ahmad, S. and Hussain, M. 2001. Using Irrigation Management for Poverty Alleviation: A Descriptive Analysis, 2001. *Pakistan Journal of Applied Sciences*, 1(1): 64-66, Faisalabad, Pakistan.
14. Ashfaq, M. and Adil. S. 2001. A Dynamic Welfare Analysis of Wheat Price Policy in Pakistan, *Pakistan Journal of Applied Sciences*, 1(1): 67-68, Faisalabad, Pakistan.
15. Jehangir, W.A; Ashfaq, M; Ali. A. and Sarwar, N. 2002. Use of Credit for Poverty Reduction by Small Farmers, *Pakistan Journal of Applied Sciences*, 2(7): 777-780, Faisalabad, Pakistan.
16. Ashfaq, M; Jehangir, W.A; and Younas, M. 2002. Micro Credit: An Instrument for Poverty Reduction, *Pakistan Journal of Applied Sciences*, 2(8): 826-830, Faisalabad, Pakistan.
17. Jehangir, W.A; Ashfaq, M; and Christen, E. 2002. On-Farm Financial Gains from Conjunctive Water Management in Pakistan, *Pakistan Journal of Irrigation and Drainage*, 9(1), Islamabad, Pakistan.
18. Jehangir, W.A; Ashfaq, M; and Salik, K.M. 2002. Trade-offs Between Gross Farm Income, Groundwater and Salinity at Irrigation Sub-Division Level, *Proceeding of the International Workshop on Conjunctive Water Management for Sustainable Irrigated Agriculture in South Asia*, pp-157-166. International Water Management Institute, Lahore, Pakistan.

19. Jehangir, W.A; Ashfaq, M; and Rehman. A. 2002. Modeling for Efficient Use of Water at Canal Command Level in the Rechna Doab, Punjab, Pakistan, Proceeding Vol. 1, Second South Asia Water Forum, 14-16 December, pp-409-419, Islamabad, Pakistan.
20. Jehangir, W.A; Ashfaq, M; and Christen, E. 2003. Alternate modes of irrigation and farmer returns under conjunctive water management in Pakistan, Australian Agribusiness Review, 11(7).

<http://www.agrifood.info/review/2003/Jehangir.pdf>
21. Ashfaq, M; Hussain, I; Jehangir, W.A; and Mudasser, M. 2003. Use of Wastewater for Irrigation: Impacts on Human Health and Environment, The Environ Monitor, Vol. III, No. 3, Lahore, Pakistan.
22. Ashfaq, M; Mudasser, M. Jehangir, W.A; and .Hussain, I. 2003. Use of Saline Groundwater for Crop Production and It's Impacts on Agricultural Production and Environment, 2003. The Environ Monitor, Vol. III, No. 4-5, Lahore, Pakistan.
23. Jehangir, W.A; Ashfaq, M; and Rehman. A. 2003. Modeling for Efficient Use of Water at Command Level, Pakistan Journal of Irrigation and Drainage, 7(1), Islamabad, Pakistan.
24. Jehangir, W.A; Khan. S; Ashfaq, M. and Mudasser, M. 2003. Economics of Conjunctive Water Management in Pakistan, 2003. ICID Asian Regional Workshop. Proceedings Vol. 2. Taiwan.
25. Ashfaq, M; Jehangir, W.A; Hussain, I; and Mudasser, M. 2004. Poverty in Pakistan: Trends and Issues. Proceedings of the workshop on pro-poor intervention strategies in Irrigated Agriculture in Asia, Islamabad, Pakistan.
26. Jehangir, W.A; Hussain, I; Ashfaq, M; and Mudasser, M. 2004. Poverty Across Districts in Irrigated Punjab, Pakistan. Proceedings of the workshop on pro-poor intervention strategies in Irrigated Agriculture in Asia, Islamabad, Pakistan.
27. Mudasser, M; Jehangir, W.A; Hussain, I; and Ashfaq, M; 2004. Poverty Across Various Canal Command in Irrigated Punjab, Pakistan. Proceedings of the workshop on pro-poor intervention strategies in Irrigated Agriculture in Asia, Islamabad, Pakistan.
28. Bakhsh, K, Ashfaq, M and Alam, M.Q. 2005. Effects of Poor Quality of Ground Water on Carrot Production: A Comparative Study. J. of Agriculture and Social Sciences, 1813-2235/2005/01-1-38-40, <http://www.ijabjass.org>
29. Hussain, M; Hussain, Z and Ashfaq, M. 2004. Land and water productivity in Pothwar Plateau. Pakistan Journal of Irrigation and Drainage, 8(2), Islamabad, Pakistan.
30. Ashfaq, M; Jabeen, S and Baig, I.A. 2005. Estimation of Economic value of irrigation water. J. of Agriculture and Social Sciences, 1813-2235/2005/01-3-270-72, <http://www.ijabjass.org>
31. Hussain, M; Hussain, Z and Ashfaq, M. 2006. Impact of Small Scale Irrigation Schemes on Poverty Alleviation in Marginal Areas of Punjab, Pakistan, International Research Journal of Finance and Economics, Issue 6. <http://www.eurojournals.com/finance.htm>
32. Ashfaq, M and Gervais J.P. 2007. Do Special Agricultural Safeguards Have an Impact on Trade Flows? The Case of U.S. Butter Imports. <http://www.crea.ulaval.ca/Publications/Serie%20de%20recherche/2007/SR-2007-11-02.pdf>
33. Hussain, I, Rizaiza, O, Habib M.A.A and Ashfaq, M, 2008, Revitalizing a traditional dryland water supply system: The Karezes in Afghanistan, Iran, Pakistan and Kingdom of Saudi Arabia. Water International 33(3) 333-349.

34. Tahir, M.A. Quddus, M.A., Sardar M.S and Ashfaq, M, 2008. Economics of zero-tillage technology of wheat in rice-wheat cropping system of Punjab, Pakistan. Vol. 17(3-4),42-46. J. Anim. Pl. Sci., Lahore.
35. Baig, I. A., Ashfaq, M. and Akram S. 2008. Quality reforms and change in technical efficiency: An evidence from banking sector in Pakistan. J. of Quality and Technology Management, IQTM, IV(1), 1-8. Punjab University, Lahore.
36. Ashfaq, M., Naseer, M. Z., Hassan S. and Baig I.A. 2008. Factor affecting the income from major crops in rice-wheat ecological zone, Pak. J. Agri. Sci; Vol. 45(4), 504-7
37. Raza, A. M., Ashfaq, M, Hassan, S. and Hussain, I. 2008. Implications of irrigation reforms on wheat productivity: A case study of Punjab, Pakistan. Pak. J. Agri. Sci; Vol. 45(3), 1-5.
38. Makhdam, M.S.A and Ashfaq, M. 2008. An Economic evaluation of negative impact of water-logging and salinity on wheat productivity, Soil and Environment, 27(1)112-115, Soil Science Society of Pakistan, Islamabad.
39. Baig, I.A., Ashfaq, M, Hassan, S. and Mushtaq, K. 2008. Impact of financial reforms in irrigation sector of Punjab, Pakistan, J. Anim. Pl. Sci. 18(4) 145-50, Lahore
40. Ashfaq, M., Ashiq, H. Baig, I.A., and Saghir, A. 2008. Contribution of rural women in the farm productivity, J. Anim. Pl. Sci. 18(4) 142-44, Lahore.
41. Ashfaq, M., Hassan, S., Naseer, M.Z., Baig, I.A., and Asma, J. 2008. Factors affecting farm diversification in rice-wheat zone, Pak. J. Agri. Sci., Vol. 45(3), 95-98.
42. Ali, A, Mushtaq, K; Ashfaq, M. and Abedullah. 2008. Total factor productivity growth of agriculture in Pakistan: Trends in different time horizons. Pak. J. Agri. Sci., Vol. 45(4) 508-13.
43. Raza, M.A., Ashfaq, M., Zafar, I. A., Baig, I. A. 2009. Impact assessment of institutional reforms in irrigation sector on rice productivity: A case study of Punjab, Pakistan. Pak. J. of Life and Social Sciences, 7(1) 16-20.
44. Ali, A, Mushtaq, K; Ashfaq, M. and Abedullah. 2009. Total factor productivity growth of agriculture in Pakistan: Trends in different time horizons. Pak. J. Agri. Sci., Vol. 46(1), 508-13.
45. Ashfaq, M. Akram, M. Baig, I.A and Saghir, A. 2009. Impact of ground water on wheat production in District, Jhang, Punjab, Pakistan. Sarhad J. of Agriculture, Vol. 25(1) 121-26. Peshawar.
46. Raza, M.A., Ashfaq, M., Baig, I. A. 2009. Institutional reforms in irrigation sector of Punjab (Pakistan) and their impact on sugarcane productivity. J. of Agri. Res; Vol. 47(1) 63-72.
47. Baig, I.A., Ashfaq, M, Hassan, S. and Mushtaq, K and Raza, M.A. 2009. An analysis of Irrigation Reforms and their impact on rural livelihood in Punjab, Pakistan. J. of Agri. Res; Vol. 47(3) 281-292
48. Ali, A, Mushtaq, K; Ashfaq, M. and Raza, M.A. 2009. An analysis of productivity growth of agriculture in Pakistan: 1971-2006. J. of Agri. Res; Vol. 47(4). 439-450
49. Saghir, A., Ashfaq, M, and Noreen, A. 2009. Gender and information and communication technologies (ICTs). J of Animal and Plant Sciences 19(2), 94-97
50. Tabassum, H; Ashfaq, M, Kousar R; Saghir, A and Amjad; R. 2010. Gender Inequality: A social Evil. J of Animal and Plant Sciences 20(1), 60-61
51. Hussain, B., Ashfaq, M., Abbas, M., Mahmood, K. and Mahmood, A. 2010. Market Integration of Gram in Pakistan. Pakistan J. Agric. Res. 23(1-2), 78-82
52. Arshad. S. M. Ashfaq, A. Saghir, M. Ashraf, M. A. Lodhi, and H. Tabassum. 2010. Gender and decision making process in livestock management. Sarhad J. Agric. 26(4):693-696
53. Raza, M.A., Ashfaq, M., Abdi S.H and Ali, A. 2010 Change in management of irrigation sector of Punjab (Pakistan) and its impact on income of wheat growers. Pak. J. Agri. Sci., Vol. 47(4), 399-403
54. Abid, M., Ashfaq, M., Quddus, M.A., Tahir, M.A and Fatima, N. 2011. A resource use efficiency analysis of small Bt cotton farmers in Punjab, Pakistan. Pak. J. Agri. Sci., Vol. 48(1), 75-81

55. Hafeez, N. Ashfaq, M. Sarwar. I and Bari, A. 2011. The contribution of crop income in reducing poverty and income inequality among different farm sizes: a comparison of cotton/wheat and Barani Punjab. *Pak. J. Agri. Sci.*, Vol. 48(2), 159-163
56. Ashfaq, M. Baig, I.A. Tahir M.A. Raza M.A and Afzal S.A. 2011. Negotiations of Special Agricultural Safeguards: issues, analysis options and a case study. *Pak. J. Agri. Sci.*, Vol. 48(2), 165-168
57. Baig, I.A., Ashfaq, M, Hassan, I., Javed M.I., Wasif, K. and Ali. A. 2011. Economic impacts of wastewater irrigation in Punjab, Pakistan. *J. of Agri. Res;* Vol. 49(2) 261-70.
58. Abid, M., Ashfaq, M., Khalid I., and Ishaq, U. 2011. An economic evaluation of impact of soil quality on Bt cotton productivity. *Soil and Environment*, 30(1) 78-81, Soil Science Society of Pakistan, Islamabad. (Y)
59. Ashfaq, M., Zulfiqar, Z., Sarwar, I., Quddus, M.A., and Baig I.A. 2011. Impact of climate change on wheat productivity in mixed cropping system of Punjab. *Soil and Environment*, 30(2) 110-114, Soil Science Society of Pakistan, Islamabad.
60. F. A. Al-Said, M. Ashfaq, M. Al-Barhi, M. A. Hanjra, I. A. Khan. 2012. Water productivity of vegetables under modern irrigation methods in Oman. *J. of Irrigation and Drainage*, DOI: 10.1002/ird.1644
61. Sarwar, I., Ashfaq, M., Bari, A., and Hafeez, N. 2012. The contribution of various non-farm income sources in reducing income inequality across different farm sizes: A comparison of barani Punjab and cotton/wheat Sindh. *Pak. J. Agri. Sci.*, Vol. 49(3), 401-405.
62. Ashfaq, M., Abid, M., Bakhsh, K. and Fatima, N. 2012. Analysis of Resource Use Efficiency and Return to Scale of Medium sized Bt cotton Farmers in Punjab, Pakistan. *Sarhad J. Agric.* Vol.28, No.3, 493-498
63. Latif, M. T. and Ashfaq, M. 2013. An Economic Impact of Remittances in Rural Economy , *Pak. J. Agri. Sci.*, Vol. 50(1), 147-153; 2013
64. Usman, M., Ashfaq, M and Ali, I. 2013. Economics Analysis of Static Cut-Flower Production in Punjab, Pakistan. *Pak. J. Agri. Sci.*, Vol. 50(2), 311-315.
65. Usman, M. and Ashfaq, M. 2013. Economics analysis of tuberose production in Punjab, Pakistan. *Sarhad J. Agric.* Vol.29, No.2, 279-284
66. Usman M. and Ashfaq, M. 2013. Economics analysis of gladiolus (*GLADIOLUS HORTULANUS*) production in Punjab, Pakistan. *Journal of Agricultural Research*, 51 (3):317-326. www.jar.com.pk
67. Naqvi, S.A.A., and Ashfaq, M. 2013. Technical efficiency analysis of hybrid maize production using translog model case study in District Chiniot, Punjab (Pakistan). *Journal of Agricultural Sciences, USA*. Vol.4, No.10, 536-540. <http://dx.doi.org/10.4236/as.2013.410072>
68. Naqvi, S.A.A., and Ashfaq, M. 2014, Estimation of Technical Efficiency and It's Determinants in the Hybrid Maize Production In District Chiniot: A Cobb- Douglas Model Approach. *Pak. J. Agri. Sci.*, Vol. 51(1), 181-185.
69. Usman, M., M. Ashfaq, S. Taj and M. Abid. 2014. An economic analysis of rose cut flower in Punjab, Pakistan. *The Journal of Animal and Plant Sciences*, 24 (2): 651-655. SSN: 2221-7630; P-ISSN: 1727-4915. www.pjlss.edu.pk
70. Yasin, M.A., Ashfaq M., Adil, S.A. and Bakhsh, K. 2014. Profit efficiency of organic vs conventional wheat production in rice-wheat zone of Punjab, Pakistan. *Pakistan. Journal of Agricultural Research*, 52(3):439-452. www.jar.com.pk
71. Baig, I.A, Ashfaq, M., Naqvi, S.A.A, Ahmed, A., Hoogenboom, G., Antle, J.M. and Valdavia, R. 2014. Ex Ante Impact Assessment of Wheat Crop in Punjab-Pakistan. *J. Appl. Environ. Biol. Sci.*, 4(7S) 358-363, 2014.
72. Nasir, J., **M. Ashfaq**, S.A.A. Naqvi, S. Hassan, A. Imran, A. H. Makhdum, S.A. Adil and A. Ali. 2015. Economic cost of agrochemicals for the health of cotton farm workers: a case study of Punjab, Pakistan. *SYLWAN Journal*. 159(1): 253-266.

73. Rehman, A., **M. Ashfaq**, S.A.A. Naqvi, S.A. Adil, K. Bashir, A. Ahmad, S. Ahmad, A. Ali and A. Imran. 2015. Is climate change worsening the poverty of maize growers? Evidence from Punjab, Pakistan. *Ciencia e Tecnica Vitivinicola Journal*. 30(1): 105-116.
74. Awan, S.A., **M. Ashfaq**, S.A.A. Naqvi, S. Hassan, M.A. Kamran, A. Imran and A.H. Makhdum. 2015. Profitability analysis of sustainable cotton production: A case study of cotton-wheat farming system in Bahawalpur district of Punjab. *Bulg. J. Agric. Sci.* 21(2): 251-256.
75. M. Abid, J. Scheffran, U. A. Schneider, and **M. Ashfaq**. 2015. Farmers' perceptions of and adaptation strategies to climate change and their determinants; the case of Punjab province, Pakistan. *Earth Syst. Dynam.*, 6, 225–243, 2015 www.earth-syst-dynam.net/6/225/2015/ doi:10.5194/esd-6-225-2015
76. **Ashfaq, M.**, A. Razzaq, S. Hassan and S. ul Haq. 2015. Factors affecting the economic losses due to livestock diseases: a case study of district Faisalabad. *Pak. J. Agri. Sci.*, Vol. 52(2), 503-508
77. Javed, I. A. Ghafoor, A. Ali, M. A. Imran and **M. Ashfaq**. 2015. Margins and determinants of rice export from Pakistan to UAE market. *Pak. J. Agri. Sci.*, Vol. 52(2), 569-575
78. Tahir, M. A. **M. Ashfaq**, S. A. Adil, & K. Bakhsh. 2015 An economic analysis of irrigation induced land degradation: Issues of sustaining agricultural growth and food security. *SYLWAN Journal*. Vol. 159(8) (ISSN: 0039-7660).
79. Bakhsh, A, **M. Ashfaq**, A. Ali, M. Hussain, G. Rasool, Z. Haider and R.H. Faraz. 2015. Economic evaluation of different irrigation systems for wheat production in Rechna Doab, Pakistan. *Pak. J. Agri. Sci.*, Vol. 52(3), 821-828.
80. Faiza Bilal, F., **M. Ashfaq**, S. Hassan, S. A. Adil and A. Imran, 2015. Health cost of ginning workers: a case study of districts Bahawalpur and Sukkur. *SYLWAN Journal*, 159(1)253-261
81. Naseer, A., M. Ashfaq, M. Abid, A. Razzaq and S. Hassan. 2016. Current Status and Key Trends in Agricultural Land Holding and Distribution in Punjab, Pakistan: Implications for Food Security. *Journal of Agricultural Studies*, 4(4), pp.14-27.USA
82. Akram M., Bhatti M. I., Ashfaq M. and Khan A. A. (2016), New approach to Forecasting Agro-based statistical models, {*Journal of Statistical Theory and Application*}, vol 15, issue 4, 387-399.
83. Qamar Ali, Muhammad Ashfaq And Muhammad Tariq Iqbal Khan, 2016. Analysis of Off-Season Cucumber Production Efficiency In Punjab: A DEA Approach. *Journal of Experimental Biology and Agricultural Sciences*, November - 2016; Volume – 4(Issue-6)
84. Qamar Ali, Muhammad Tariq Iqbal Khan and Muhammad Ashfaq, 2016. Resource Use Efficiency and Return to Scale Analysis in Off-Season Capsicum/Bell Pepper Production in Punjab, Pakistan. *Advances in Environmental Biology*, 10(10) October 2016, Pages: 113-119
85. Qamar Ali, Muhammad Ashfaq and Muhammad Tariq Iqbal Khan, 2016. Resource Use Efficiency and Return to Scale Analysis in Off-Season Tomato Production in Punjab, Pakistan. *J. Appl. Environ. Biol. Sci.*, 7(1)11-18
86. Qamar Ali, Muhammad Tariq Iqbal Khan and Muhammad Ashfaq, 2016. Greenhouse Gas Reduction in Off-Season Cucumber Production by Improving Energy Efficiency: A Case Study from Punjab, Pakistan. *Polish Journal of Environmental Studies* www.pjoes.com PJOES-01378-2016-02.
87. Qamar Ali, Muhammad Ashfaq and Muhammad Tariq Iqbal Khan, 2016. An Economic Analysis Of Off-Season Capsicum/Bell Pepper Production In Punjab, Pakistan. *ARNP, Journal of Agricultural and Biological Science*. Vol. 11, No. 11, November 2016
88. Akram M., Bhatti M. I., Ashfaq M. and Khan A. A. (2017), Hierarchical forecasts of four major crops of Pakistan. *American Journal of Mathematical and Management Sciences*, *American Journal of Mathematical and Management Sciences*, 36(1)49-65

89. Qamar, A; M.T.I. Khan and M. Ashfaq, 2017. Economics of open field tomato production in Punjab. *International Journal of Advanced and Applied Sciences*, 4(2), 78-82
90. Qamar, A., M. Ashfaq and M.T.I. Khan. 2017. Resource use efficiency and return to scale analysis in off-season cucumber production in Punjab, Pakistan. *Sarhad Journal of Agriculture*, 33(1): 47-52.
DOI | <http://dx.doi.org/10.17582/journal.sja/2017.33.1.47.52>
91. Qamar, A; M. Ashfaq and M. T. I. Khan. 2017. An economic analysis of off-season tomato production in Punjab. *The Journal of Animal & Plant Sciences*, 27(1):294-301. ISSN: 1018-7081
92. Qamar A, M.T.I. Khan, and M. Ashfaq. 2017. Greenhouse Gas Reduction in Off-Season Cucumber Production by Improving Energy Efficiency: A Case Study from Punjab, Pakistan. *Pol. J. Environ. Stud.* Vol. 26, No. 4 (2017), 1-8
93. Asghar, A; M.A Imran; M. Ashfaq; A. Ghafoor; M. Waseem and S. Hassan, 2017. Determinants influencing edible oil import in Pakistan. *J. Agric. Research*, 55(1)
94. Hussain, M., M. Ashfaq, A. Ali, S. Hassan and M.A. Imran. 2017. An Econometric Analysis of Bed-Furrow Irrigation For Cultivated Wheat In Irrigated Areas of Punjab, Pakistan. *Pak. J. Agri. Sci.*, Vol. 54(2), 467-474
95. Mustafa, G., I. A. Latif,., M. Ashfaq,., M.N. Samsudin, & W.M.N.W. Daud, (2017). Adaptation to Climate Change Process: An Empirical Analysis. *American Journal of Applied Sciences*
96. Ameen Ullah, M. Ashfaq, S.A.A. Naqvi, S.A. Adil, S. Hassan and M. Ahmad. 2017. Impact of Better practices (BMPS) on Sustainability of Cotton Production in Punjab, Pakistan. *J. Appl. Environ. Biol. Sci.*, 7(8)144-149, 2017.
97. Javed, I; M. Ashfaq and N. Anwar. 2017. Exports of Major Agricultural Products from Pakistan to United Arab Emirates: Performance and Comparative advantage. *Science, Technology and Development* 36 (1): 53-60, 2017
98. Hussain, M; M. Ashfaq, A. Ali, S. Hassan and M.A. Imran. 2017. An Econometric Analysis of Bed-Furrow Irrigation For Cultivated Wheat in Irrigated Areas of Punjab, Pakistan. *Pak. J. Agri. Sci.*, Vol. 54(2), 467-474; 2017
99. Naqvi, S.A.A; M. Ashfaq, S.A. Adil and A. Ahmed, 2017. Current agricultural production system of Punjab is vulnerable to climate change: Impact assessment. *J Agric. Res.*, Vol. 55(1):125-135
100. Kousar, R, M.S.A. Makhdum, Q. Abbas, M. Ashfaq and A. Saghir. 2017. Household- decisions of time allocation and wage determination in Pakistan. *J Agric. Res.*, 2017, Vol. 55(3): 565-576
101. Muhammad T.I.K; Q. Ali and M. Ashfaq, 2018. The nexus between greenhouse gas emission, electricity production, renewable energy and agriculture in Pakistan. *Renewable Energy* 118 (2018) 437-451
102. Sobia R; M. Ashfaq, S. Hassan and G. Ali. 2018. A Nexus between Malaria and Agricultural Output through the Channels of Gender, Sanitation, and Socio-Economic Status. *Pol. J. Environ. Stud.* Vol. 27, No. 1 (2018), 287-296
103. M. K. Bashir, M. Ashfaq, M. K. Sharif and G. Ali 2018. Food safety perceptions vs reality: the case of peri-urban areas of Rawalpindi, Pakistan. *The Journal of Animal & Plant Sciences*, 28(4): 1128-1141
104. M.A Imran, A. Ali, M. Ashfaq, S. Hassan, R. Culas and C. Ma. 2018. Impact of Climate Smart Agriculture (CSA) Practices on Cotton Production and Livelihood of Farmers in Punjab, Pakistan. *Sustainability* 2018, 10, 2101; doi:10.3390/su10062101
105. Naseer, M.A., M. Ashfaq and S. Hassan 2018. Outlook on the global trade competitiveness of Pakistan's Mandarin Industry. *Outlook on Agriculture* Doi: 10.1177/0030727018817788 0.70
106. Q. Ali, M. T. I. Khan and M. Ashfaq. 2018. Efficiency Analysis of Off-Season Capsicum/Bell Pepper Production in Punjab-Pakistan: A DEA Approach. *The Journal of Animal & Plant Sciences*, 28(5): 2018, Page: 1508-1515 0.56

107. Muhammad Ali Imran, Asghar Ali, Muhammad Ashfaq, Sarfraz Hassan, Richar Culasc, Chunbo Ma. 2019. Impact of climate smart agriculture (CSA) through sustainable irrigation management on Resource use efficiency: A sustainable production alternative for cotton. *Land Use Policy* 88 (2019) 104113
108. Muhammad Asad ur Rehman Naseer, Muhammad Ashfaq, Sarfraz Hassan, Azhar Abbas, Amar Razzaq, Mubashir Mehdi, Anoma Ariyawardana and Mumtaz Anwar. 2019. Critical Issues at the Upstream Level in Sustainable Supply Chain Management of Agri-Food Industries: Evidence from Pakistan's Citrus Industry. *Sustainability* 2019, 11, 1326; doi:10.3390/su11051326
109. Farhana Gul, Dawood Jan & Muhammad Ashfaq. 2019. Assessing the socio-economic impact of climate change on wheat production in Khyber Pakhtunkhwa, Pakistan. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-018-04109-7>
110. Muhammad Asad ur Rehman Naseer, Mubashir Mehdi, Muhammad Ashfaq, Sarfraz Hassan and Muhammad Abid. 2019. Effect of marketing channel choice on the profitability of citrus farmers: Evidence form Punjab-Pakistan. *Pak. J. Agri. Sci.*, Vol. 56(4), 1003-1011; 2019
111. Tayyaba Hina, Sultan Ali Adil, Muhammad Ashfaq and Ashfaq Ahmad. 2019. Economic Impact Assessment of Climatic Change Sensitivity in Rice-Wheat Cropping System of Pakistan. *Indian Journal of Science and Technology*, Vol 12(37), DOI: 10.17485/ijst/2019/v12i37/147643, October 2019
112. Javaria Nasir, Muhammad Ashfaq, Sultan Ali Adil and Sarfraz Hassan. 2019. Socioeconomic Impact Assessment of Climate Change in Cotton Wheat Production System of Punjab, Pakistan. *J Agric. Res.*, 2019, Vol. 57(3):199-206. www.jar.com.pk
113. Ashfaq, M., M.H. Mahboob., and Sahar. 2019. An Economic Value of Waste for Informal Garbage Collectors and Community's Perception Regarding Environmental Sustainability; A Case Study of Faisalabad-Pakistan. *Int. J. Econ. Environ. Geol.* Vol. 10 (3) 50-55, 2019.
114. Ali, MF., M Ashfaq, S Hassan, R Ullah. 2019. Assessing Indigenous Knowledge through Farmers' Perception and Adaptation to Climate Change in Pakistan - *Polish Journal of Environmental Studies*. 29(1) 525-532.
115. Naseer, M.A.u.R., Ashfaq, M., Razzaq, A. 2020. Comparison of water use efficiency, profitability and consumer preferences of different rice varieties in Punjab, Pakistan. *Paddy Water Environ* 18, 273–282 (2020).
116. Amrin, S., and M. Ashfaq. 2020. The Impact of Benazir income support program-BISP on Household Food Expenditures in Faisalabad. *Pak. J. Agri. Sci.*, Vol. 57(1), 275-279.
117. Gul, F., Ahmed, I., Ashfaq, M. et al. Use of crop growth model to simulate the impact of climate change on yield of various wheat cultivars under different agro-environmental conditions in Khyber Pakhtunkhwa, Pakistan. *Arab J Geosci* 13, 112 (2020). <https://doi.org/10.1007/s12517-020-5118-1>
118. Ahmad, B.; Pham, H.D.; Ashfaq, M.; Memon, J.A.; Bano, R.; Dahri, Z.H.; Mustafa, R.N.; Baig, I.A.; Naseer, M.A.R. Impact of Institutional Features on the Overall Performance Assessment of Participatory Irrigation Management: Farmers' Response from Pakistan. *Water* 2020, 12, 497.
119. Bell, AR; S.P. Ward; M. Ashfaq; and S. Davies. 2020. Valuation and Aspirations for Drip Irrigation in Punjab, Pakistan, *Journal of Water Resources Planning and Management*. Vol 146 (6).
120. Hone, S.; Crase, L.; Burton, M.; Cooper, B.; Gandhi, V.P.; Ashfaq, M.; Lashari, B.; Ahmad, B. 2020. Farmer Cooperation in Participatory Irrigation in South Asia: Insights from Game Theory. *Water* 2020, 12, 1329.
121. Ali, MF. S Rose, S Hassan, M Ashfaq 2020. Decomposition Analysis of Wheat Growth and Its Policy Implications in Pakistan. *Journal of Economic Impact* 2 (1), 6-12

122. Rose, S., Ali, M.F., Bakhsh, K. 2020. Linking environment, malaria, and agricultural returns: a labor time use analysis at different stages of production using 3SLS. *Environ Sci Pollut Res* (2020). <https://doi.org/10.1007/s11356-020-08507-8>
123. M Ashfaq, R Kousar, MSA Makhdum, SAA Naqivi, A Razzaq. 2020. Farmers' Perception and Awareness Regarding Constraints and Strategies to Control Livestock Diseases. 2020. *Pakistan Journal of Agricultural Sciences* 57 (2)
124. Mahboob, M. H., Ashfaq, M., Khan, R. A., Kamal, Y., & Humayon, A. A. (2021). Tourists' Attitude Towards Cultural Heritage and their Willingness to Pay to Visit: a Case Study of Lahore, Pakistan. *Conservation Science in Cultural Heritage*, 20(1), 125-138. <https://doi.org/10.6092/issn.1973-9494/12794>
125. Badar, H, M Ashfaq and A. Jawaid. 2021. Consumer value preferences for fresh tomatoes in major cities of Pakistan. *Pak. J. Agri. Sci.*, Vol. 58(1), 301-306; 2021

Few Important Research Reports/Working Papers:

1. Jehangir, W.A; Ashfaq, M; Hussain, I; and Nazir, A. 2003. Pro-poor Intervention Strategies in Irrigated Agriculture in Asia. *Poverty in Irrigated Agriculture: Issues and Options for Pakistan*. Colombo, Sri Lanka: IWMI (Country report Pakistan). http://www.iwmi.cgiar.org/propoor/files/ADB_Project/Project%20Reports/Pakistan.pdf
2. Hussain, I; Jehangir, W.A; Muddasar, M; Nazir, A; and Ashfaq, M. 2007. Impact of irrigation infrastructure development on poverty alleviation: A case study from Pakistan. JBIC research paper no. 31, JBIC Institute, Japan Bank for International Cooperation in collaboration with IWMI. <http://www.iwmi.cgiar.org/propoor/index.asp?nc=2286&id=1062&msid=235>
3. Hussain, I; Nazir, A; Ashfaq, M; and Jehangir, W.A. 2007. Impact of irrigation infrastructure development on dynamics of incomes and poverty: Econometric evidence using panel data from Pakistan. JBIC research paper no. 33, JBIC Institute, Japan Bank for International Cooperation in collaboration with IWMI <http://www.iwmi.cgiar.org/propoor/index.asp?nc=2286&id=1062&msid=235>
4. Ashfaq, M; Zulfiqar, F. 2010. An Economic analysis of different Production Technologies of Sugarcane in Faisalabad, Department of Agricultural Economics, University of Agriculture, Faisalabad.
5. Ashfaq, M 2011. National program for improvement of watercourses in Pakistan (Economic Part). A joint publication of AAB Pvt. Ltd Islamabad and UAF.
6. Ashfaq, M. 2013. Guidelines for Social Mobilization of Farmers Organization. Report published for Japan International Cooperation Agency.
7. Ashfaq, M., G. Muhammad, S. ul-Haq, and A. Razzaq 2014. Effects of Livestock Diseases on Dairy Production and In-comes in District Faisalabad, Punjab, Pakistan. IFPRI Working Paper No. 23.
8. A. Bakhsh, M. Ashfaq, A. Ali, M. Hussain, G. Rasool, Z. Haider, and R. H. Faraz. 'Economic Evaluation of Different Irrigation Systems for Wheat Production in Rechna Doab, Pakistan'. IFPRI WP No. 28, March 2015. <http://www.ifpri.org/publication/economic-evaluation-different-irrigation-systems-wheat-production-rechna-doab-pakistan>
9. Strategies to Control Diseases and Increasing Productivity of Livestock Sector through Improved Breeding in Punjab, Pakistan. 2016
10. Food utilization among poor households in peri-urban areas of North and South Punjab, Pakistan. 2016.
11. Guidelines for Calculation of Cost of Production for Major Agricultural Commodities. 2017-18

Popular Articles:

- 1 Agricultural financing, 2000. Daily “The Nation”, dated 12-11-2000.
- 2 Population, Resources and Environment, Daily “The Nation”, dated 8-12-2000.
- 3 Irrigation and Poverty Alleviation, 2000. Daily “The Nation”, dated 24-12-2000.
- 4 Edible Oil Production, 2001. Daily “The Nation”, dated 12-04-2001.
- 5 The participatory approach, 2001 Daily “The Nation”, dated 16-12-2001.
- 6 WTO and its impact on Pakistan, 2001 Daily “The Nation”, dated 16-12-2001.
- 7 The Poverty Problem, 2002. Daily “The Nation”, dated 11-08-2002.
- 8 Poverty Problem in Pakistan, IWMI OUTFLOW, Issue No. 67, August 2002.
- 9 Socio-economic impacts of increase in population, The Nawa-I-Waqat, 2-7-2004
- 10 Encouraging vegetables cultivation, The Dawn, 2-8-2004
- 11 Extra debt burden and its causes, The Dawn, 23-8-2004
- 12 Wheat shortage: need for planning, The Pakistan, 25-8-2004
- 13 WTO: Growing concerns for environment, The Dawn, 30-8-2004
- 14 Deficit problem in balance of payments causes. The Sun International, 6-9-2004
- 15 The problem of deficit in balance of payments, The Dawn, 4-10-2004
- 16 Investment and growth rates: an overview, The Dawn, 11-10-2004
- 17 Brain drain: causes and implications, The Dawn, 18-10-2004
- 18 Remittances not very productively employed, The Dawn, 13-9-2004
- 19 Zero tillage: An approach to conserve resources, The Dawn, 8-11-2004
- 20 Drying sowing of wheat: benefits and problems, The Dawn, 29-11-2004
- 21 Employment through horticulture, The Dawn, 24-01-2005
- 22 Market –driven subsistence farms, The Dawn, 31-01-2005
- 23 Shifting paradigm in agri exports, The Dawn, 20-06-2005
- 24 Efficient use of water in agriculture, The Dawn, 17-10-2005
- 25 Farmer’s access to seed threatened by TRIPs, The Dawn, 9-1-2006
- 26 Failure of rural development models, The Dawn, 16-01-2006
- 27 Development through Higher Education, the Nation 24-3-2008.
- 28 Small growers at the mercy of middlemen, the Dawn, 12-5-2008
- 29 Food Security perspectives in Pakistan, Nation 16-6-2008.
- 30 The ‘Energy-Food’ nexus and how to tackle it, Nation 8-9-2008.
- 31 Implications of Institutional reforms in irrigation sector, Nation 3-11-2008.
- 32 Water management for sustained development, the Dawn 15-12-2008.
- 33 BT Cotton: A genetically modified crop, Nation 6-7-2009.
- 34 Experimenting with Local BT cottonseed, Dawn 20-7-2009.
- 35 Indigenous Goat and Chicken: A Neglected Sector, Nation 3-10-2011
- 36 Treasure under threat, Pakistan today, October 27, 2013
- 37 Neglected green gold of Pakistan, The Frontier Post, January 5, 2014
- 38 Livestock sector neglected, the Pakistan Observer, Nov. 14, 2014
- 39 Livestock productivity under threat as diseases hound the sector, Pakistan Today Business January 15, 2015
- 40 Climate change amplifying malaria risk, Published in The Express Tribune, May 15th, 2017.
- 41 Malaria Menace, The Nation, May 16, 2017

Selected Papers Presented in Workshops/Seminars

- a. A Multilevel Economic Analysis of the Wheat Market in Pakistan, paper presented in 43rd AARES Conference, Christchurch, 20-22 January, http://www.aares.info/aares_conference_1999

- b. Irrigation: A weapon for poverty Alleviation, 2001 Paper presented in National workshop on pro-poor intervention strategies, organized by IWMI, Lahore on March 12, 2001.
- c. Poverty in Pakistan: an overview, Paper presented in international workshop on Pro-poor intervention strategies in irrigated agriculture in Asia, held in Colombo, Sri Lanka on July 8-12, 2001.
- d. Determinants of poverty across canal commands in Punjab, Pakistan. Paper presented in the National Workshop on Pro-Poor Intervention Strategies in Irrigated Agriculture in South Asia, Islamabad, Pakistan, April 23-24, 2003
- e. Resource use and farm productivity under conjunctive water management in Pakistan. Paper presented 47th Conference of the Australian Agricultural and Resource Economics Society (AARES). Fremantle, Australia, February 12-14, 2003.
- f. Assessment of institutional interventions in irrigated Punjab, Pakistan, Paper presented in the National Workshop on Pro-Poor Intervention Strategies in Irrigated Agriculture in South Asia, Islamabad, Pakistan, April 23-24, 2003.
- g. Poverty in Pakistan: Trends and Issues, Paper presented in the International Workshop on Pro-Poor Intervention Strategies in Irrigated Agriculture in South Asia, Colombo, Sri Lanka on August 23-25, 2005.
- h. Do Special Agricultural Safeguards Have an Impact on Trade Flows? The Case of U.S. Butter Imports, Paper Presented at CREA, Laval University, Canada. January 2008.
- i. Food Security Situation in Pakistan. Paper presented in Conference entitled 'Agriculture: Challenges, opportunities and options under free trade regime', organized by University of Agriculture, Faisalabad May 28-29, 2008
- j. Institutional Reforms and its impact on productivity and poverty. Paper presented in International workshop of ICID, Lahore Oct. 13-19, 2008.
- k. Innovative tools and techniques for enhancing efficiency of small and medium enterprises in agribusiness activities, 13-16 Dec. 2008, Tehran, Iran. 13-16 Dec. 2008, Tehran, Iran.
- l. Supply chain management: How productivity of agri-industry could be increase? 13-16 Dec. 2008, Tehran, Iran. 13-16 Dec. 2008, Tehran, Iran.
- m. Participatory Irrigation Management, Presentation at 5th World Water Forum, 16-22 March 2009, Istanbul, Turkey.
- n. Capacity Building Needs of FOs and WUAs. Paper presented in Multi-stakeholder workshop on Participatory Irrigation Management Organized by the World Bank, MINFAL and Ministry of Water and Power, Islamabad, Pakistan 29-30 March, 2010.
- o. 'Modeling the impact of climate change on wheat, rice and cotton in Pakistan' AgMIP South Asia Workshop, Sri Lanka. Nov 12-16, 2012
- p. Using TOA-MD Modeling for assessing the impact of climate change on wheat, rice and cotton in Pakistan' AgMIP South Asia Workshop, Dubai. April 29-May 3, 2013
- q. Paper presented on Economic modelling for assessing climate change impact on Rice-wheat cropping system in Punjab at 'Regional Research and Coordination Team Mid-Term Workshop, held in Nepal, July 22-26, 2013.
- r. Stakeholder participation for adaptation of climate change, Paper presented in AgMIP Regional Research Team Finish Line Workshop, held in Arusha, Tanzania 2014.
- s. Attended and made a presentation in the AAEA conference on 'Impact of Climate change on Agriculture sector in Pakistan, held in Minneapolis, USA. July 27-29, 2014
- t. Paper presented on 'Poverty reduction and women empowerment through the propagation of teddy goat in rural areas of South Punjab, Pakistan' in

International Small Ruminant Congress, held in Konya, Turkey, October 16-18, 2014.

- u. Attended and made presentations in AgMIP Phase II Fundamentals Global Workshop' held from June 23 to July 1st, 2015 at Victoria Falls, Zimbabwe.
- v. Attended and made presentation in Agricultural Model Inter-comparison and Improvement Project (AgMIP) Phase 2 Integration Workshop held from 22 to 27 February, 2016 in Dakar, Senegal
- w. Paper presented in the 6th AgMIP Global Workshop: Seeking Sustainable Agricultural Solutions held from 28 to 30 June, 2016 at Le Corum Conference Center in Montpellier, France.
- x. Paper presented at AgMIP RRT Winners Circle Workshop held in Nairobi, Kenya January 30 – February 3, 2017 on Assessing Climatic Vulnerability and Adaptation benefits for Cotton-Wheat Cropping System in Punjab, Pakistan
- y. Paper presented at Coordinated Global and Regional Assessment Workshop +1.5/+2.0 °C Worlds and Beyond on Pakistan Regional Integrated Assessments at IIASA, Laxenburg, Austria on June 12, 2017.
- z. Participated and gave presentation in workshop on 'Ag Impact', organized by CSU, Australia. 26 May to June 2, 2018
- aa. Paper presented at the conference "Harmonizing Environmental, Economic and Social Dimensions: Is it possible" held in Sarawak- Kuching, Malaysia. July 10-12, 2018
- bb. Attended ACIAR Workshop on Preliminary data analysis and targeting impact and made a presentation. Millennium Hilton, Bangkok, Thailand. 12th – 14th November 2018.
- cc. Paper presented on 'Impact of participatory irrigation management on water availability and agricultural productivity' at AARES Conference held in Melbourne, Australia from the 13th to 15th February 2019.
- dd. Paper presented on 'Factors Affecting the Food Security Status Among Households in District Faisalabad-Pakistan' at the conferences ICFNA-19 on Sep 27-28, 2019, Istanbul-Turkey.
- ee. Paper presented on 'Investigation of Vulnerability and Climate Resilient Sustainable Agricultural Development in Punjab, Pakistan' at 6th ICSAE conference on 3-5 October, 2019 in Konya-Turkey.
- ff. Paper presented on 'Impact of participatory irrigation management for sustainable agriculture in Pakistan' at the consortium Studies on smallholder Palm Oil (CSSPO) conferences, held on October 22nd - 24th, 2019 in Putrajaya, Malaysia.

Computer Skills

DOS, Windows (98, 2008 etc), MS Office (MS Word, MS Excel, Power Point), TSP, Shezam, Lotus (1-2-3), SPSS, MStat, STATA etc.

Membership of Professional Organizations

1. Member of Australian Agricultural and Resource Economic Society (AARES).
2. Member of International Association of Agricultural Economics.
3. Member of Society for the Advancement of Agricultural Sciences in Pakistan.
4. Member of Canadian Society of Agricultural and Resource Economists
5. International Network on Participatory Irrigation Management (INPIM).
6. Member World Economic Association (WEA)
7. Member Agricultural and Applied Economic Association (AAEA), USA

Social & Cultural Activities:

1. President, International Students Association, University of New England, Australia 1996-97.
2. Vice President, Armidale International Association, Australia, 1996-97.
3. International Officer, 1999. Student's Association, University of New England, Armidale.
4. Coordinator, Society of Young Economist (SYE), University of Agriculture, Faisalabad, June 2000 to 2001.
5. Secretary, Academic Staff Association- 2006, University of Agriculture, Faisalabad
6. President, Hockey Team, University of Agriculture, Faisalabad 2009-11
7. Vice President, Academic Staff Association- 2011, University of Agriculture, Faisalabad
8. Superintendent Student Hostel 2009 to-30-6-2011
9. Patron, Society of Young Economists, University of Agriculture, Faisalabad 2012- to 2015
10. Chairman Sports Board, University of Agriculture, Faisalabad. April 7, 2016 to date.

Countries visited/experience:

USA, Australia, UK, Canada, France, Saudi Arabia, Thailand, Singapore, New Zealand, Sri Lanka, Turkey, Oman, Qatar, Kenya, Nepal, UAE, Zimbabwe, Senegal, Tanzania, Austria, Germany and Switzerland.

Hobbies & Interest:

Sports, Traveling & Bird Watching