

# DR. MUHAMMAD AMJED IQBAL

**Associate Professor**  
**Institute of Agricultural & Resource**  
**Economics, University of Agriculture,**  
**Faisalabad-Pakistan**



*S/O Ali Murtaza*

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**Objective:** In pursuit of a vocation, which will employ my knowledge in finance and the experience I have gained all the way through my term projects, interests and vocation.

**Research Focus:** Risk Perception, Risk Management, Agribusiness, E-Marketing, Farm Mechanization, Technological research and transformation, Poverty, Non-farm income

## **Academic:**

- (2013-2016) **Doctor of Philosophy (Ph.D.) Agricultural Economics and Management**  
Huazhong Agricultural University, Wuhan, China
- (2008-2010) **M.sc.(Hons.) Agricultural Economics** CGPA: 3.34/4.00  
University of Agriculture, Faisalabad, Punjab Pakistan
- (2004-2008) **B.Sc.(Hons.) Agricultural and Resource Economics** CGPA: 3.45/4.00  
University of Agriculture, Faisalabad
- (2002-2004) **F.Sc (Pre-Engineering)** Marks: 806/1100  
Board of Intermediate & Secondary Education Lahore, Punjab
- (2000-2002) **Matriculation (Science)** Marks: 701/850  
Board of Intermediate & Secondary Education Lahore, Punjab

## **Professional Experience:**

- 16-12-2023 to date: Associate Professor, Institute of Agricultural and Resource Economics, (UAF) Pakistan
- 05-11-2016 to 15-12-2023: Assistant Professor, Institute of Agricultural and Resource Economics (UAF) Pakistan.
- 02-09-2016 to 04-11-2016: Assistant Professor, University College of Agriculture, University of Sargodha, Pakistan.
- Four Months internship in Planning and Development Board Lahore. (P&D)
- One-year internship under National Internship Programme in Agriculture Dept.
- Worked as Territory Manager in Ali Akbar Group (2011-12)

## **Projects**

- Working as **Principal Investigator** of a component “Economic and Policy Analysis/ Market Research based on **KAP** (Knowledge Assessment and Practices)” in Mega Research Project “Developing Competitive and Inclusive Value Chain of Pulses in Pakistan” 2020 awarded by Australian Centre for International Agricultural Research (ACIAR).
- Working as PI of Local Component of a research project titled “An Empirical Economic Analysis of Agriculture Production among Fresh Produce in Emerging Countries research” awarded by Yangtze University China
- Worked as PI in projects titled “An empirical study of risk perception, risk management strategies and adaptation among cotton farmers in Punjab Pakistan” as SRGP awarded by HEC
- Worked as Co-PI in Project titled “Strengthening Vegetable Value Chains in Pakistan (SVVCP) for Greater Community Livelihood Benefits”. ACIAR funded.
- Worked as Co-PI in the project “Position/Policy paper on Cattle Market in Punjab” with Dean Animal Husbandry, University of Agriculture Faisalabad, Pakistan.
- Worked as Co-PI in the project “Evaluating Impact of Subsidized Inputs on the Cost of Cotton Production in Punjab Province” awarded by PARB.
- Worked as Team Scientist in the project “Prevalence and economic impact of sugarcane rust in Punjab: Farmers’ awareness and coping strategies” awarded by PARB.
- Worked as Team scientist in the project “Evaluating the utilization of camel milk as food source in Cholistan and its socioeconomic impact on camel herders” awarded by PARB.
- Worked as Team Scientist in the project “Farmer’s Perceptions and Economic Assessment of Recent Policy Interventions for Expanding Canola Production in Punjab-Pakistan” awarded by PARB.

## **RESEARCH STUDIES AND PUBLICATIONS**

### **A. RESEARCH STUDIES**

- ✓ Study on “**An Empirical Investigation of Risk Perception, Risk Management Strategies and Poverty among Cotton Farmers in Pakistan**” in 2016 Doctor’s Dissertation, *Supervised by Professor Dr Qing Ping*
- ✓ Study on “**An Economic Analysis of Potato Production in Okara District**” in 2010 Master Thesis, *Supervised by Professor Dr Sultan Ali Adil.*

### **B. PUBLISHED ARTICLES**

1. Yousaf, A., Kiran, A., Iqbal, M. A., Murtiza, G., & Hussain, M. (2025). Climate change effects on rural livelihoods in Pakistan: legal and policy analysis. *GeoJournal*, 90(1), 1-26.
2. Azhar, K., Sadaf, T., Rouf, A., Iqbal, M. A., & Azhar, U. (2024). Competitive Textile Exports: A Comparative Study of Pakistan and China in the United States of America Market. *Journal of Economic Impact*, 6(2), 138-146.

3. Iqbal, M. A. I., Sadaf, T., Rouf, A., & Niaz, J. (2024). Analysis of Groundwater Use Efficiency and Productivity of Crops In Pakistan: Evidence From Balochistan Province. *Agricultural Sciences Journal*, (1), 104-112.
4. Hussain, A., Baig, W., Rashid, S., Iqbal, M. A., Shah, M. A., & Yasin, M. (2024). Impact of Performance Expectancy on Adaptive Performance: through Serial Mediation Mechanism. *Journal of Economic Impact*, 6(1), 62-69.
5. Rashid, S., Bilal, M., Yasin, M., Iqbal, M. A., & Sadaf, T. (2024). Income Inequality, Institutional Quality, and Trade Openness: An Analysis from Selected Asian Countries. *Journal of Education and Social Studies*, 5(2), 470-475.
6. Iqbal, M. A., Ahmad, B., Sadaf, T., Bashir, H. T., Yousaf, A., & Liaqat, M. (2024). Prevalence and Determinants of Malnutrition Among Under-Five Children of Household in Slum Areas Of District Faisalabad. *Agricultural Sciences Journal*, (1), 46-58.
7. Ahmad, B., Mehdi, M., Adhikari, R., Raza, M. H., Iqbal, M. A., & Petersen, E. (2024). Unlocking Inclusive Competitive Value Chains of Chickpeas In Punjab, Pakistan: A Walking The Chain Approach To Identify Barriers, Opportunities, And Options. *Agricultural Sciences Journal*, (1), 197-212.
8. Liaqat, M., **Iqbal, M. A.**, Yousaf, A., & Iqbal, Z. (2023). Consumers Willing to Pay for Freshwater-Grown Vegetables in District Faisalabad, Pakistan. *Journal of Innovative Agriculture and Social Development*, 2(1), 15-21.
9. Ali, H., & **Iqbal, M. A.** (2023). Economics and Marketing of Sugarcane Production in District Mandi Bahaudin. *International Journal of Advanced Social Studies*, 3(1), 29-41.
10. Sadafa, T., Anwara, T., **Iqbala, M. A.**, Roufa, A., Younasb, I., & Iqbalc, Z. (2023). External Debt And Economic Growth: A Case Study Of Pakistan (1972-2021). *Impact. Journal of Economic Impact*, 5(3), 197-201.
11. Kakar, J. S., Lodhi, A. S., Nazir, A., Akhtar, S., & **Iqbal, A.** (2023). Cereal crops production in Pakistan: Trends instability and growth. *International Journal of Agricultural Extension*, 11(2).
12. Razaq, A., Samie, A., Saleem, M. B., **Iqbal, M. A.**, Jameel, M. A., Yousuf, M., & Ashraf, M. Q. (2023). Investigating the Impact of Energy Consumption on Economic Growth of Pakistan: An Econometric Analysis. *Journal of Economic Impact*, 5(3), 225-230.
13. Ali, Q., Abbas, A., Raza, A., Khan, M. T. I., Zulfiqar, H., **Iqbal, M. A.**, ... & Alotaibi, B. A. (2023). Exploring the Students' Perceived Effectiveness of Online Education during the COVID-19 Pandemic: Empirical Analysis Using Structural Equation Modeling (SEM). *Behavioral Sciences*, 13(7), 578.
14. Khatoon, R., Javed, I., Atif, M., Javaid, H., **Iqbal, M. A.**, Malik, A. M., & Akhter, P. (2023). Time Poverty in Perspectives of Divine Economics Framework: An Empirical Analysis of District Chakwal. *Journal of Education and Social Studies*, 4(2), 237-259.
15. Rizwan, Muhammad, Azhar Abbas, Hui Xu, Umar Ijaz Ahmed, Ping Qing, Puming He, **Muhammad Amjed Iqbal**, and Muhammad Aamir Shahzad. "Role of Nutrition Information in Acceptance and Willingness to Pay for Biofortified Cereal Food: Implications for Better Health and Sustainable Diet." *Nutrients* 14, no. 16 (2022): 3352.
16. Sadaf, T., **Iqbal, M. A.**, Jamil, F., Raza, M. H., & Nazir, A. (2022). Cost of Mental Illness and Depression in Developing Countries: A Case Study of Pakistan. *Journal of Education and Social Studies*, 3(2), 84-94.
17. **Iqbal, M. A.**, Nazir, A., Sadaf, T., Yousaf, A., & Shahwani, M. A. (2022). Determinants of Consumers Perceptions Regarding Fresh and Tetra Pack Milk in Faisalabad, Pakistan. *Pakistan Journal of Agriculture, Agricultural Engineering and Veterinary Sciences*.

18. **Iqbal, M. A.**, Nadim, N., & Akbar, Z. (2022). Determinants of Recent Inflation in Pakistan and its Relation with Economic Growth: An Econometric Analysis. *Pakistan Journal of Humanities and Social Sciences*, 10(1), 345-353.
19. Saghir, A., Shahbaz, B., **Iqbal, M. A.**, Ijaz, S., Ali, S., Kousar, R., & Amir, R. M. (2022). Assessing Impact of Billion Tree Tsunami Project on Environment and Livelihood Strategies: A Case Study from District Faisalabad. *Journal of Economic Impact*, 4(1), 01-06.
20. Ilyas, F., Gillani, D. Q., Yasin, M., **Iqbal, M. A.**, Javed, I., Ahmad, S., & Nabi, I. (2022). Impact of Livestock and Fisheries on Economic Growth: An Empirical Analysis from Pakistan. *Sarhad Journal of Agriculture*, 38(1).
21. **Iqbal, M. A.**, Rizwan, M., Abbas, A., Makhdum, M. S. A., Kousar, R., Nazam, M., ... & Nadeem, N. (2021). A Quest for Livelihood Sustainability? Patterns, Motives and Determinants of Non-Farm Income Diversification among Agricultural Households in Punjab, Pakistan. *Sustainability*, 13(16), 9084.
22. Anjum, M. A., Ashfaq, M., Ali, A., **Iqbal, M. A.**, & Ilyas, M. (2021). Estimating the willingness to pay for the purchase of pasteurized milk in Faisalabad, Pakistan. *Pak. J. Agri. Sci*, 58(4), 1405-4010.
23. Rizwan, Muhammad, Yueji Zhu, Ping Qing, Debin Zhang, Umar I. Ahmed, Hui Xu, **Muhammad A. Iqbal** et al. "Factors Determining Consumer Acceptance of Biofortified Food: Case of Zinc-Fortified Wheat in Pakistan's Punjab Province." *Frontiers in Nutrition* 8 (2021).
24. Akhtar, S., Abbas, A., **Iqbal, M. A.**, Rizwan, M., Samie, A., Faisal, M., & Sahito, J. G. M. (2021). What determines the uptake of multiple tools to mitigate agricultural risks among hybrid maize growers in Pakistan? Findings from field-level data. *Agriculture*, 11(7), 578.
25. **Iqbal, M. A.**, A.Abbas, S.A.A.Naqvi, M.Rizwan, A.Samie and U.I.Ahmad. 2020. Drivers of Farm Households' Perceived Risk Sources and Factors Affecting Uptake of Mitigation Strategies in Punjab Pakistan: Implications for Sustainable Agriculture. *Sustainability*, 12(23).
26. Akhtar, R., **Iqbal, M. A.**, & Bakhsh, A. (2020). Factors Affecting the Income of Rural Women: An Evidence from District Faisalabad, Pakistan. *Journal of Economic Impact*, 2(3), 80-85.
27. Akram, K., **Iqbal, M. A.**, & Hayat, M. M. (2020). The Role of Formal and Informal Credit in Agriculture Sector: A Case Study of District Faisalabad, Pakistan. *Journal of Economic Impact*, 2(3), 99-102.
28. Murtaza, A., Iqbal, A., Marszałek, K., **Iqbal, M. A.**, Waseem Ali, S., Xu, X., ... & Hu, W. (2020). Enzymatic, phyto-, and physicochemical evaluation of apple juice under high-pressure carbon dioxide and thermal processing. *Foods*, 9(2), 243.
29. Iqbal, A., Murtaza, A., Marszałek, K., **Iqbal, M. A.**, Chughtai, M. F., Hu, W., ... & Xu, X. (2020). Inactivation and structural changes of polyphenol oxidase in quince (*Cydonia oblonga* Miller) juice subjected to ultrasonic treatment. *Journal of the Science of Food and Agriculture*, 100(5), 2065-2073.
30. Rizwan, M., Qing, P., Saboor, A., **Iqbal, M. A.**, & Nazir, A. (2020). Production Risk and Competency among Categorized Rice Peasants: Cross-Sectional Evidence from an Emerging Country. *Sustainability*, 12(9), 3770.
31. Khan, N. A., Gao, Q., **Iqbal, M. A.**, & Abid, M. (2020). Modeling food growers' perceptions and behavior towards environmental changes and its induced risks: evidence from Pakistan. *Environmental Science and Pollution Research International*.

32. Teng, Y., Murtaza, A., Iqbal, A., Fu, J., Ali, S. W., **Iqbal, M. A.**, ... & Hu, W. (2020). Eugenol emulsions affect the browning processes, and microbial and chemical qualities of fresh-cut Chinese water chestnut. *Food Bioscience*, 38, 100716.
33. Samie, A., Abbas, A., Azeem, M. M., Hamid, S., **Iqbal, M. A.**, Hasan, S. S., & Deng, X. (2020). Examining the impacts of future land use/land cover changes on climate in Punjab province, Pakistan: implications for environmental sustainability and economic growth. *Environmental Science and Pollution Research*, 1-19.
34. S.A.A. Naqvi, A.M. Nadeem, **M.A. Iqbal**, S. Ali, A. Naseem (2019) Accessing the vulnerabilities of current and future production system: A case study of rain fed region of Punjab. *Sustainability*, DOI: 11, 5365; doi:10.3390/su11195365.
35. Sher, A., Mazhar, S., Abbas, A., **Iqbal, M. A.**, & Li, X. (2019). Linking Entrepreneurial Skills and Opportunity Recognition with Improved Food Distribution in the Context of the CPEC: A Case of Pakistan. *Sustainability*, 11(7), 1838.
36. Rakhsanda, K., T. Sadaf, M. S.A. Makhdom, **M.A. Iqbal**, R. Ullah (2019). Competiveness of Pakistan's Selected Fruits in the World Market. *Sarhad Journal of Agriculture*, Pakistan.
37. Abbas, A., Amjath-Babu, T. S., Kächele, H., Usman, M., **Iqbal, M. A.**, Arshad, M., & Müller, K. (2018). Sustainable survival under climatic extremes: linking flood risk mitigation and coping with flood damages in rural Pakistan. *Environmental Science and Pollution Research*, 1-15.
38. **Iqbal, M. A.**, Ping, Q., Abid, M., Abbas, A., Bashir, M. K., & Ullah, R. (2019). Extent and determinants of rural poverty in pakistan: role of adopting risk management strategies. *JAPS, journal of animal and plant sciences*, 28(6), 1835-1845.
39. Nazir, A., Li, G., Inayat, S., **Iqbal, M. A.**, Humayoon, A., & Akhtar, S. (2018). Determinants for income diversification by farm households in Pakistan. *JAPS, Journal of Animal and Plant Sciences*, 28(4), 1163-1173.
40. **Iqbal, M. A.**, Ping, Q., Zafar, M. U., Abbas, A., Bashir, M. K., Ali, A., & Kousar, R. Farm risk sources and their mitigation: a case of cotton growers in Punjab. 2018. In Press, *Pakistan Journal of Agricultural Sciences*, University of Agriculture Faisalabad, Pakistan.
41. Hussain, S., Khaliq, A., Mehmood, U., Qadir, T., Saqib, M., **Iqbal, M. A.**, & Hussain, S. (2018). Sugarcane Production under Changing Climate: Effects of Environmental Vulnerabilities on Sugarcane Diseases, Insects and Weeds. In *Sugarcane Production-Agronomic, Scientific and Industrial Perspectives*. IntechOpen.
42. **Iqbal, M.A.**, A. Abbas, R. Ullah, U.I. Ahmed, A. Sher and S. Akhtar. 2017. Effect of Non-farm income on poverty and income inequality: farm households evidence from Punjab province Pakistan. *Sarhad Journal of Agriculture*, 34(2): 233-239.
43. Rizwan, M., Deyi, Z., Nazir, A., Osti, R., Ahmed, U. I., Zhu, Y., & **Iqbal, M. A.** (2017). Risk Perceptions and Management Strategies of Rice Growing Households: Evidence from a Developing Country. *Journal of Applied Environmental and Biological Sciences*.
44. Akhtar, S., Cheng, L., Ullah, R., Nazir, A., **Iqbal, M.A.**, Raza, M.H., Iqbal, N., Faisal, M. (2017). Factors Influencing hybrid maiz farmers risk attitudes and their perceptions in

Punjab Province, Pakistan. *Journal of Integrative Agriculture*, DOI: 10.1016/S2095-3119(17)61796-9.

45. Abbas, A., Akhtar, W., Butt, M., Ullah, R., **Iqbal, M.A.** (2017). Potential of Livestock Takaful in Pakistan: An Empirical Investigation. *Journal of Economics and Finance*, Vol. 1.
46. **Iqbal, M. A.**, Ping, Q., Abid, M., Kazmi, S. M. M., & Rizwan, M. (2016). Assessing risk perceptions and attitude among cotton farmers: A case of Punjab province, Pakistan. *International Journal of Disaster Risk Reduction*, 16, 68-74. **(IF-1.24)**
47. Ping, Q., **Iqbal, M. A.**, Abid, M., Ahmed, U. I., Nazir, A., & Rehman, A. (2016). Adoption of Off-farm Diversification Income Sources in Managing Agricultural Risks among Cotton Farmers in Punjab Pakistan. *Journal of Applied Environmental and Biological Sciences*.
48. Ahmed, U. I., Ying, I., Bashir, M. K., Abid, M., Elahi, E., & **Iqbal, M. A.** 2016. Access to Output Market by Small Farmers: The Case Of Punjab, Pakistan. *Journal of Animal and Plant Sciences*, 26(3). **( IF-0.447)**.
49. Ahmed, U. I., Ying, L., Bashir, M. K., **Iqbal, M. A.**, Rizwan, M., & Mazhar, M. (2015). Spatial Price Transmission in Pakistan: The Case of Wheat and Rice Markets. *Pakistan Journal of Agricultural Research*, 28(4).
50. **Iqbal, M. A.**, Ping, Q., Ahmed, U. I., & Nazir, A. (2015). Determinants of Off-farm Activity Participation among Cotton Farmers in Punjab, Pakistan. *International Journal of Management, Accounting and Economics*, Vol. 2, No. 7.
51. **Iqbal, M. A.**, Ping, Q., Adil, S. A., Nazir, A., & Rizwan, M. (2015). An Economic Analysis of Potato Production In Okara District, Pakistan. *International Journal of Economics, Commerce and Management*, Vol. III, Issue 6.

### **Courses Taught**

**Under-Graduate:** Microeconomics, Macroeconomics, Environmental and Resource Economics, Principles of Agricultural and Resource Economics, Economics of Livestock Production, Engineering Economics, Econometrics, Project Management and Evaluation,

**Post-Graduate:** Microeconomics, Macroeconomics, Agricultural Policy, Islamic Economics, International Economics, Farm Planning and Management

### **FAO Technical Report**

Ahmad A, Ahmad I, Khan MR., Shah SHH, Kamran MA, Wajid SA, Amin M, Khan A, Arshad MN, Cheema MJM, Saqib ZA, Ullah R, Ziaf K, ul Huq A., Ahmad S., Fahad M, Waqas MM, Abbas A, **Iqbal A.** 2019. Agro-ecological zones of Punjab, Pakistan – 2019. Rome, FAO

### **Book Chapters**

1. Hussain, S., Khaliq, A., Mehmood, U., Qadir, T., Saqib, M., **Iqbal, M. A.**, & Hussain, S. (2018). Sugarcane production under changing climate: Effects of environmental vulnerabilities on sugarcane diseases, insects and weeds. *Climate Change and Agriculture*, 1-17.

## **Workshops/Conferences Organized/Attended**

1. Worked as Focal Person for the conference titled “2<sup>nd</sup> International Cross-Border E-Commerce Forum, 2019” December 03-05, 2019, University of Agriculture, Faisalabad, Pakistan.
2. Participated in the innovation event “All Pakistan Dice AFS-2018 Agriculture and Food Science” held on October 03-04, 2018 organized by University of Agriculture Faisalabad.
3. Participated in the concluding seminar on “Self Sustaining Rural Enterprises” organized by the University of Agriculture Faisalabad on June, 21 2018.
4. Presented Research Paper in 2<sup>nd</sup> International Conference on Food and Agricultural Economics held in Alayna, Antalya, Turkey during 27-28, April 2018.
5. Participated in “Value added food products: Issues & Opportunities for Entrepreneurs” on January 19, 2018, University of Agriculture Faisalabad.
6. Certificate of successfully organizing the seminar on “Self Sustaining Rural Enterprises” on January 18, 2018, University of Agriculture Faisalabad.
7. Participated in the seminar on “Self Sustaining Rural Enterprises” on January 18, 2018, University of Agriculture Faisalabad.
8. Participated in the Round Table Conference to promote “Rural Entrepreneurship in Pakistan” on January 18, 2018 ORIC, University of Agriculture Faisalabad.
9. Participated in training programme “Orientation to newly inducted faculty” organized by Directorate of Academics & Teaching Resource Centre University of Agriculture Faisalabad Pakistan from 31<sup>st</sup> July to 4<sup>th</sup> August 2017.
10. Participated in training programme on “An introduction to Latex, UAF Synopsis and Thesis” sponsored by U.S. Pakistan Centre for Advanced Studies in Agriculture and Food Security and organized by the department of Mathematics & Statistics, University of Agriculture Faisalabad Pakistan from 26 to 28 July 2017.
11. Participated in “Seminar on Strengthening Production & Marketing of Goats in Pakistan” organized by Institute of Business Management Sciences, University of Agriculture Faisalabad on March 1, 2017.
12. Participated in “Seminar on Food Security Policy Research Priorities” Organized by the Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad January 6, 2017.
13. Participated in “Workshop on Agricultural Policy of Pakistan: Past Present and Future” on January 5, 2017 at University of Agriculture Faisalabad.
14. Participated in “Brain Storming Workshop” Organized by the Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad January 4, 2017.

15. Participated in “AgMip Mid Term Workshop Phase II & Hands on training of TOA-MD (Tradeoff Analysis for Multi-Dimensional Impact Assessment)” December 20-22, 2016 at University of Agriculture Faisalabad.
16. Participated and presented paper at 1<sup>st</sup> International Conference on Business, Economics & Education management – ICBEM Local, Regional & Global Perspective December 15-16, 2016 organized by Institution of Business Administration (IBA) Sukkur.

**Extra Curricula:**

Playing Badminton, Cricket, Football, etc.

**Language**

English, Urdu, Punjabi.

**Reference:**

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|---|---|
| <ol style="list-style-type: none"><li>1. Prof. Dr. Sultan Ali Adil<br/>Institute of Agricultural and Resource<br/>Economics<br/>University of Agriculture, Faisalabad<br/>Email: <a href="mailto:sultan_adilpk@yahoo.com">sultan_adilpk@yahoo.com</a><br/>Ph. 041-9200644</li></ol> | <ol style="list-style-type: none"><li>2. Prof. Dr. Qing Ping<br/>College of Economics and Management<br/>Huazhong Agricultural University<br/>Wuhan, China<br/>Email: <a href="mailto:qingping@mail.hzau.edu.cn">qingping@mail.hzau.edu.cn</a><br/>Ph. 86-13016417612</li></ol> |
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