

CURRICULUM VITAE

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Education

Year	Degree	Field of Specialization	Institution
1991	Ph.D.	Agricultural Economics	The Ohio State University, Columbus, Ohio, USA
1989	M. S.	Agricultural Economics	The Ohio State University, Columbus, Ohio, USA
1979	M. Sc.	Economics	Quaid-i-Azam University, Islamabad, Pakistan
1975	B.A.	Economics, Sociology	Govt. College Sahiwal, (Punjab University), Pakistan
1973	F.Sc.	Pre-Medical	Govt. College Sahiwal, (Multan Board), Pakistan
1971	Matric	Science group	Govt. High School, Chak No. 45/12-L, Chichawatni, District Sahiwal, (Multan Board), Pakistan

Professional Experience

Over 26 Years

Position	Period	Institution/Organization
Chief of Research	July 07, 2008 to date	Pakistan Institute of Development Economics (PIDE), Islamabad
Controller of Examinations	July 03, 2007 to date	PIDE, Islamabad
Senior Research Economist	February, 2003 to July 2008	PIDE, Islamabad
Research Economist	Sept., 2001 to Feb., 2003	PIDE, Islamabad
Deputy Director (SSD)	Aug., 2000 to Aug., 2001	Pakistan Agricultural Research Council (PARC), Islamabad
SSO/Project Incharge	Sept., 1997 to Aug., 2000	AERU (PARC), AARI, Faisalabad
SSO	Dec., 1994 to Sept., 1997	AERU (PARC), AARI, Faisalabad
SSO/Project Incharge	Dec. 1993 to Dec., 1994	AERU (PARC), ARI, Tarnab, Peshawar.
SO/Project Incharge	Feb., 1992 to Dec., 1993	AERU (PARC), ARI, Tarnab, Peshawar.
SO	Nov., 1991 to Feb., 1992	PARC, Islamabad
PhD Fellow and Graduate Research Assistant	Sept., 1986 to Nov., 1991	The Ohio State University, Columbus, Ohio, USA
SO	Nov. 1981 to Sept., 1986	PARC, Islamabad

Awards and Honors

- Merit scholarship during Matric
- Merit scholarship during FSc
- Merit scholarship during MSc
- FAO fellowship during PhD
- Graduate Research Assistant, Department of Agricultural Economics and Rural Sociology, The Ohio State University, USA

Computer Skills

Possess user level skills in the following computer software

- SPSS
- Microsoft Word
- WP5.1
- EViews
- LIMDEP
- EXCEL
- Power Point

Membership of Professional Societies/other Academic Activities

- Joint Secretary Pakistan Society of Development Economists (2003 to 2008)
- Member of the Pakistan Society of Development Economists
- Member of the Pakistan Association of Agricultural Social Scientists
- Member of Friends Forum, University of Agriculture Faisalabad
- External Examiner of MSc Thesis, Department of Agricultural Economics, University of Agriculture Faisalabad.
- External Examiner of BSc Thesis, Fatima Jinnah Women's University, Rawalpindi
- External Examiner of MPhil Thesis, Quaid-i-Azam, University, Islamabad
- External Examiner of MPhil/PhD Thesis, Federal Urdu University of Arts Science & Technology (FUUAST), Islamabad
- External Examiner of PhD Thesis, Annamalai University, Annamalainagar, Tamil Nadu, India

Teaching Experience

MSc/MPhil/PhD Level Courses Taught since Spring2001:

- Resource Economics (MPhil & PhD)
- Statistics for Economists (MPhil & PhD)
- Agricultural Policy (MPhil & PhD)
- Economics of Environment and Natural Resources
- Mathematics for Economists (Refresher Course)
- Econometrics (MSc & MPhil)

Trainings Imparted

- Resource person for Training Programme at PIDE
- Resource person for the training course on Pakistan Economy held at National Institute of Banking and Finance (NIBAF), Islamabad (September-October 2002).
- Resource person for the introductory workshop on Mathematical Modeling and its Application to Development Issues organized by Global Change Impact Studies Centre, COMSATS and PIEAS (October-November 2002).
- Resource person for the workshop held at Allama Iqbal Open University, Islamabad for M Sc Forestry Extension (Spring 2001).
- Resource person for the International Course on Socio-Economic and Agricultural Water Use Surveys and Computer Application Training held at NARC, Islamabad (January-February 2001).
- Resource person for training course on "Sustainable Community Development: Challenge for Governance and Management" organized by LEAD Pakistan at Quetta (May 2001).
- Resource person for Training on Project Planning, Appraisal and Implementation held at PIDE (August-September 2002).
- Resource person for Training of Yemenis Professional in Data Analysis for Socio-Economic and Agriculture Water Use Surveys held at Social Sciences Institute, NARC (September-October 2002).
- Resource person for SAARC training on "Techniques to Identify Constraints of Agricultural Production" held at NARC, Islamabad, May 29-31, 1994.

- Resource person and member of the organizing team for several “Farmers’ Days” and “Field Meetings” for the Pilot Area Real Life (PARL) Project, PARC, Faisalabad (1995-1996).

Administrative Experience

- Head of the Agriculture and Natural Resource Section, PIDE
- Controller of Examinations, PIDE since July, 3, 2007 to date
- Deputy Director, Social Sciences Division, Pakistan Agricultural Research Council, Islamabad from August 2000 to August 2001.
- Project Incharge, Agricultural Economics Research Unit, AARI, Faisalabad from September 1997 to August 2000.
- Project Incharge, Agricultural Economics Research Unit, ARI, Tarnab, Peshawar from February 1992 to December 1994.

Publications

Papers

1. *“Total Factor Productivity and Agricultural Research Relationship: Evidence of Crops Sub-sector of Pakistan’s Punjab”*. Adiq Kiani, Muhammad Iqbal, and Tariq Javed. European Journal of Scientific Research Vol. 23, No. 1 (2008). Pp 87-97
2. *“Environment Friendly Cotton Production through Implementing Cotton-IPM Approach”*. Muhammad Azeem Khan, Muhammad Iqbal, and Iftikhar Ahmad. The Pakistan Development Review, Vol. 46, No. 4 (2007). pp 1119-1135.
3. *“Livestock Farming in Cholistan Desert of Pakistan: Setting the Development Strategies”*. Umar Frooq, Muhammad Iqbal and Munir Ahmad. Annals of Arid Zone Vol. 46, No. 2 (2007). pp 111-132.
4. *“Sustainable Cotton Production through Skill Development among Farmers: Evidence from Khairpur District of Sindh, Pakistan”*. Muhammad Azeem Khan and Muhammad Iqbal. The Pakistan Development Review, Vol. 44, No. 4 (2005). pp 695-716.
5. *“Impact of Institutional Credit on Agricultural Production in Pakistan”*. Muhammad Iqbal, Munir Ahmad and Kalbe Abbas. The Pakistan Development Review, Vol. 42, No. 4 (2003). pp 469-485.
6. *“Zero-Tillage Technology and Farm Profits: A Case Study of Wheat Growers in the Rice Zone of Punjab”*. Muhammad Iqbal, M. Azeem Khan and M. Zubair Anwar. The Pakistan Development Review, Vol. 41, No. 4 (Winter 2002). pp 665-682.
7. *“Economic Evaluation of Pesticide use Externalities in the Cotton Zone of Punjab, Pakistan”*. M. Azeem Khan, Muhammad Iqbal, Manzoor H. Soomro and Iftikhar Ahmad. The Pakistan Development Review, Vol. 41, No. 4 (Winter 2002). pp 683-693.
8. *“Wheat Productivity, Efficiency and Sustainability: A Stochastic Production Frontier Analysis”*. Munir Ahmad, Ghulam Mustafa Chaudhry and Muhammad Iqbal. The Pakistan Development Review, Vol. 41, No. 4 (Winter 2002). pp 643-663

9. "Adoption of Recommended Varieties: A Farm Level Analysis of Wheat Growers in Irrigated Punjab". Muhammad Iqbal, M. Azeem Khan and Munir Ahmad. The Pakistan Development Review, Vol. 41, No. 1, 2002. pp 29-48.
10. "Land Distribution and Renewal of Sustainable Economic Activities for Rural Poverty alleviation in Pakistan". The International Journal of Agriculture and Biology, Vol. 4 No. 3, (2002). Muhammad Sharif, Usman Mustafa, W. Malik and Muhammad Iqbal. pp 413-419.
11. "Determinants of Higher Wheat Productivity in Irrigated Pakistan". Muhammad Iqbal, M. Azeem Khan and Munir Ahmad. The Pakistan Development Review, Vol. 40, No. 4, 2001. pp 753-766.
12. "The Supply Response of Basmati Rice Growers in Punjab, Pakistan: Price and Non-Price Determinants". Umar Farooq, Trevor Yong, Noel Russell and Muhammad Iqbal. Journal of International Development, 13, 2001. pp 227-237.
13. "Attaining and Maintaining Self Sufficiency in Wheat Production: Institutional Efforts and Farmers Limitations". Umar Farooq and Muhammad Iqbal. The Pakistan Development Review. Vol. 39, No. 4, winter 2000. pp 487-514.
14. "Allocation of Household Labour Time in the Rice-Wheat Cropping System of Punjab, Pakistan". Umar Farooq, Trevor Yong, Noel Russell and Muhammad Iqbal. The Journal of Rural Development, Vol. 29, No. 2, July 1999. BARD, Comilla, Bangladesh pp. 1-23.
15. "An Investigation into the Farm Households Consumption Patterns in Punjab, Pakistan". Umar Farooq, Trevor Yong and Muhammad Iqbal. The Pakistan Development Review. Vol. 38, No. 3, autumn 1999. pp 293-305.
16. "Factors Affecting Adoption of Hybrid Maize Varieties in the Irrigated Punjab". The International Journal of Agriculture and Biology, Vol. 1 No. 3, July 1999. Muhammad Iqbal, Arshed Bashir and Umar Farooq. pp 149-151.
17. "Cost and Revenue Statistics of Paddy Production: Farmers' Perspective". International Journal of Agriculture and Biology, Vol. 1 No. 1&2, January-April, 1999. Umar Farooq, Muhammad Iqbal and Arshed Bashir. pp 13-18.
18. "Farmers Use, Knowledge and Perceptions about Wheat Varieties in the Mardan District". Journal of Rural Development and Administration, Vol. XXV, No. 3, summer, 1993. Shaikat Hayat, Nawab Khan, M. Iqbal and Jahan Zab. pp 122-129.
19. "An Analysis of the Financial Characteristics and Requirements of Rice-Wheat Farming Systems of Punjab: A Case Study". Journal of Rural Development and Administration, Vol. XXV No. 1, winter, 1993. Shahid Zia and Muhammad Iqbal. pp 104-117.

Proceedings/Papers

1. "Labour Employment and Income Generation in Maize Production, Marketing and Processing in Pakistan". Proceedings of a Workshop on Marketing and Processing of Food Legumes and Coarse Grains: Effects on Rural Employment in Asia. Held in Serdang, Malaysia May 24-27, 1993. M. Manzoor Ali, Muhammad Iqbal, M. Sharif, A. H. Qureshi, M. Shafiq and Umar Farooq. pp 143-162.

2. “*Unachieved Productivity Potential: Some Results of Yield Constraints Research in Pakistan*”. A Paper presented at the National Seminar on Optimizing Crop Production through Management of Soil Resources, Organized by NFDC-PAD&SC at Lahore, May 12-13, 1984. M. Manzoor Ali and Muhammad Iqbal.
3. “*Constraints of Agricultural Production in NWFP*”. Paper presented at the SAARC Training Programme on Techniques to Identify Constraints of Agricultural Production, held at NARC, Islamabad, May 29-31, 1994. Muhammad Iqbal, M. sharif and Samina Parveen.
4. “*Production and Consumption Patterns of Major CGPRT Crops in Upland Areas of Pakistan*”. Proceeding of the Regional Seminar on Changes in Food Consumption in Asia: Effects on Production and Use of Upland Crops. Held in Kandy, Sri Lanka, October 6-9, 1992. CGPRT No. 28. M. Manzoor Ali, S. M. Zia, A. H. Qureshi and Muhammad Iqbal.

Book Chapters/Research Reports

1. *Food Security in South Asia: Strategies and Programmes for Regional Collaboration. (forthcoming, March 2012)*. By Dr. Muhammad Iqbal and Dr. Rashid Amjad in *Regional Integration and Economic Development in South Asia*, edited by Sultan Hafeez Rahman, Sridhar Khatri and Hans-Peter Bruner; Edward Elgar Publication, Cheltenham, UK.
2. *Impact of Domestic Agricultural Trade Liberalization and Market Reforms Policies on Food Security in Pakistan*. Ahmad Munir, Cacsar Cororation, Abdul Qyyum, Muhammad Iqbal, and Paul Dorosh, in *Liberalizing Food Grain Markets: Experiences, Impacts, and lessons from South Asia*. Edited by A. Ganesh-Kumar, Devesh Roy, and Ashok Gulati. Oxford University Press, New Delhi, India. 2010.
3. *Technology- Based Industrial Vision and Strategy for Pakistan’s Socio-economic Development*. Muhammad Iqbal and Munir Ahmad. Contributed Chapter 5 on Agriculture in the joint report of Pakistan Institute of Development Economics and the Higher Education Commission, 2004.
4. *Country Investment Plan for Micronutrients in Pakistan*. Contributed two chapters to the consultancy report for the Asian Development Bank (2003).
5. *The Supply Response of Basmati Rice Growers in Punjab, Pakistan: Price and Non-Price Determinants*. Umar Farooq, Trevor Yong, Noel Russell and Muhammad Iqbal. School of Economic Studies, the University of Manchester, Discussion Paper Series, Number 005, March 2000.
6. *A Baseline Survey for the Development of Livestock Sector in Cholistan*. Collaborated Research Report of Pakistan Agricultural Research Council, Pak-German Technical Cooperation (GTZ), and Livestock and Dairy Development Department, Lahore. 2000.
7. *Fertilizer Availability: Results from a Survey in NWFP*. AERU, Staff Working Paper 1994. Agricultural Economics Research Unit, ARI, Tarnab, Peshawar.
8. *The Farming Systems of the Jambil and Saidu Valleys in Sawat*. PATA Project Publication No. 93, March 1993.
9. *The First Year of PARL Model Faisalabad: Some Preliminary Findings*. Evaluation Report for the first year of Pilot Area Real Life (PARL) Project.

Ph D Thesis

“Rate of Return to Investment in Agricultural Research: the Case of Rice and Cotton in Pakistan”. Ph D dissertation, Department of Agricultural Economics and Rural Sociology, the Ohio State University, Columbus, Ohio, USA, 1991.

Thesis Supervised

1. *Impact of Financial Sector Reforms on Efficiency and Productivity of Domestic Commercial Banks in Pakistan*. MPhil thesis by Usman Ahmad, Federal Urdu University of Arts Science & Technology (FUUAST), Islamabad (2006).
2. *Productivity Growth, Technology Progress and Efficiency in Pakistan’s Agriculture: 1970-2004*. Ph D thesis by Adiq Kiani submitted to Department of Economics, Quaid-i-Azam University, Islamabad.