

# **DR. ANWAR HUSSAIN**

*Assistant Professor*

Pakistan Institute of Development Economics (PIDE),  
P.O Box No. 1091,  
Islamabad 44000, Pakistan.  
*PhD HEC Approved Supervisor*

+92-51-9248036 (O)  
+92-3333483337 (Cell)  
[anwar@pide.org.pk](mailto:anwar@pide.org.pk)  
[hello2anwar@yahoo.com](mailto:hello2anwar@yahoo.com)

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## **EDUCATION**

<b>Ph.D (Economics) (2010)</b>	Department of Economics, University of Peshawar, Peshawar, Pakistan.
<b>M.Phil (Economics) (2005)</b>	Department of Economics, University of Peshawar, Peshawar, Pakistan.
<b>M.A (Economics) (2001)</b>	University of Peshawar, Peshawar, Pakistan.

## **RESEARCH EXPERIENCE**

- Worked as a Research Economist in Pakistan Institute of Development Economics (PIDE), Islamabad since 15-02-2010 to 18-04-2014.
- Co-Principal Investigator of the Competitive grant project “Pakistan with and without SAFTA” funded by South Asia Network of Economic Research Institute (SANEI).
- Co-Principal Investigator of the Competitive granted project “Weather Shocks, Coping Strategies and Farmers Livelihood: A case of Rural Areas of District Multan, Punjab” funded by HEC.
- Co- Principal Investigator of the Competitive grant project “Groundwater Water Sustainability in Baluchistan” funded by IFPRI.
- Remained as Senior Research Investigator of HEC funded Project titled “Rice Economy of District Swat”.
- Remained as Senior Research Investigator of the project titled “Budgetary Imbalances in Health Care System of NWFP: 1990-2006”, funded by Pakistan Medical Research Council, Islamabad.

## **TEACHING EXPERIENCE**

- Teaching undergraduate classes at GDC Puran, Shangla from 21.09.2005 to 24.01.2006.
- Teaching subjects of M.Sc (Economics) to post-graduate students of the Department of Economics, Govt. Postgraduate College Charsadda since 06.02.2006 to 18.11.2008.
- Teaching various subjects of Economics at Department of Economics, University of Peshawar, Peshawar since 19-11-2008 to 11-02-2010.
- *Presently working as Assistant Professor in Economics in Pakistan Institute of Development Economics (PIDE), Islamabad with effect from April 19, 2014 till-date.*

## **ADMINISTRATIVE EXPERIENCE**

- Associate Editor of “The Pakistan Development Review”, PIDE, Islamabad.
- Project Coordinator of the World Bank Funded project titled “FATA Development Indicator Household Survey (FDIHS-2013-14)” in collaboration with IM Sciences, Bureau of Statistics and FATA Secretariat, Govt. of Khyber Pakhtunkhwa.
- Secretary of the Editorial Committee of Working papers of Pakistan Institute of Development Economics (PIDE) from June 2014 to-date.
- Coordinator, Department of Environmental Economics, PIDE, Islamabad.
- Head, Online Macroeconomics Committee, PIDE, Islamabad
- Member, Self-Assessment Report Committee, PIDE.

## **AREAS OF INTEREST**

Agriculture Economics, Macroeconomics, Environmental Economics and Econometrics

## **MEMBERSHIP**

- Member of the Editorial Board, City University Research Journal, City University of Science and Information Technology (CUSIT), Peshawar.
- Member of the Editorial Board, Pakistan Journal of Applied Social Sciences, University of Swat, Swat.
- Member, Pakistan Society of Development Economist (PSDE), Pakistan Institute of Development Economics (PIDE), Islamabad.
- Member, International Society for Environment and Rural Development (ISERD), Tokyo Japan.
- Reviewer, Journal of Independent Study and Research-Management, Social Sciences and Economics (JISR-MSSE).

## **CONFERENCES/SEMINARS**

- Presented research paper titled “Environmental Impacts of Standard of Living” in the 6<sup>th</sup> International conference Agrosym 2015 held on 14-18 October 21, 2015 in Bosnia and Herzegovina.
- Presented research paper titled “Determinants of Sugarcane Productivity in Pakistan” in the 4<sup>th</sup> International Conference on Environmental and Rural Development in Siem Reap, Cambodia, 19-20 January 2013.
- Presented working paper on “Demand and Supply Projections of Major Food Grains in Pakistan” in Pakistan Institute of Development Economics (PIDE), Islamabad.

## **TRAININGS/WORKSHOPS**

- Participated SANDEE’s Summer School of Environment and resource Economics held in Bangkok, Thailand from May 6-22, 2014.
- Participated Postgraduate Research Tools Made Easy held at Pakistan Institute of Development Economics (PIDE), Islamabad on January 29-30, 2014.
- Participated Five-Day Training on ”Water Policy Modeling Workshop” organized by Pakistan Strategy Support Program (PSSP) held on Jan 28-Feb 1, 2013 in Faisalabad Agriculture University, Faisalabad.
- Participated training course on “SPSS” held in PIDE in January, 2011.
- Participated training course on “Effective Communication Skills” held at Pakistan Institute of Development Economics (PIDE), Islamabad from April 12-17, 2010.
- Participated training course on “Planning and Management of Rural Development Projects” held at Akhtar Hameed Khan National Center for Rural Development and Municipal Administration (AHK NCRD&MA), Islamabad from Sept 20-24, 2010.

## **SUPERVISION**

- Produced 1 PhD and 26 MPhil students who completed their Degrees in the Field of Economics, Environmental Economics and Development Studies.
- Supervised 7 Internees in PIDE came from University of Poonch and Sindh Agriculture University Tandojam.

**STUDENTS SUPERVISED**

<b>S. No</b>	<b>Name of the Student</b>	<b>Degree level</b>	<b>Title of thesis</b>	<b>Year completed</b>
1.	Naeem Ahmed	MPhil Environmental Economics	Non-Market Value of Rohthas Forte	2013
2.	Naveed Hayat	MPhil Economics	Analysis of Food Demand in Pakistan: Trends and Projections	2013
3.	Rabia Bangash	MPhil Environmental Economics	Impact of Climate change on Crops productivity in Pakistan	2014
4.	Muhammad Khalil	MPhil Economics	Government Intervention and Food Price Variability: A case Study of Wheat Market Punjab, Pakistan	2014
5.	Muhammad Umar	MPhil Environmental Economics	Economic and Environmental Perspective of the Micro Hydro Power Plants in District Dir, KPK.	2014
6.	Syed Sundas Raza	MPhil Environmental Economics	The Nexus of Foreign Direct Investment, Economic Growth and Environment in Pakistan	2014
7.	Abid Ali	MPhil Economics	Role of Spending on Public goods in Agricultural Growth of Pakistan	2014
8.	Muhammad Rahman	MPhil Economics	Electricity Energy consumption in Pakistan	2014
9.	Sara Jabeen	MPhil Economics	Fiscal Marksmanship in Pakistan	2014
10.	Sadia Sherazi	MPhil Environmental Economics	Economic Impact of SPS Measures on Mango's Export of Pakistan	2014
11.	Saeeda Khan	MPhil Developing studies	Impact of Non-International Armed Conflict on Female Education District Swat, KPK.	2015
12.	Muhammad Zubair	MPhil Economics	Demand and Supply of Wheat grains in Pakistan: Trends and Projections	2015
13.	Tariq	MPhil Economics	Fiscal Marksmanship in Khyber Pakhtunkhwa	2015
14.	Sadaf	MPhil Economics	Determinants Of Institutional Quality in Asia	2015
15.	Bakht Zamin	MPhil Economics	Relative city Prices Convergence in Selected Districts of Punjab	2015
16.	Asma Saeed	MPhil Environmental Economics	Environmental Impacts of Standard of Living in District Mardan, KP	2015
17.	Salma Kausar	MPhil Environmental Economics	Socio-Economic and Environmental Factors Affecting Health in District Bhimber (AJK)	2015
18.	Ziaullah	MPhil Developing studies	Why youth Joins Militancy? Case study of Mohmand Agency, FATA	2015
19.	Zunaria Zareen	MPhil Environmental Economics	Determinants of Hotels' Prices: A case study of Islamabad	2015
20.	Zafirullah Khan	PhD in Economics (Thesis submitted)	Institutions, Innovations and Economic Growth	2015
21.	Ayesha Shujahi	MPhil Environmental Economics	Economic and Environmental Costs of Tourism: Evidences from District Abbottabad	2015
22.	Syed Umar Hayat Shah	MPhil Environmental Economics	Economic and Environmental Costs and Benefits of Paper Mulberry: A case study of Islamabad	2015
23.	Sadia Hanif	MPhil Environmental Economics	Impact of Weather Changes on Farm income in District Multan (Punjab)	2015
24.	Munazzam Hussain	MPhil Developing Studies	E-Governance in facilitating the Public: A case of Passport office Islamabad.	2016
25.	Hina Irshad	MPhil Environmental Economics	Analysis of Ecological Efficiency and its Influencing Factors in Developing Countries	2016
26.	Saghira Kiran	MPhil Environmental Economics	Socioeconomic and Environmental Factors Affecting Housing Prices in Islamabad	2016

## STUDENTS UNDER SUPERVISION

S. No	Name of the Student	Degree level	Title of Thesis
1.	Hazrat Yousuf	PhD in Economics	Ecological Footprint, Economic Growth and Ecological Efficiency
2.	Naveed Hayat	PhD in Economics	Ecolabeling, sustainability and Trade: Evidence from Pakistan
3.	Asma Javed	MPhil Environmental Economics	Hotel Industry And Environmental Laws: A Case Study Of Selected Restaurants In Islamabad
4.	Usman Ali Khan	MPhil Environmental Economics	Analysis of Ecological Footprints of Rural-Urban Households in Islamabad
5.	Shazia Khan	MPhil Environmental Economics	Economic and Environmental Impacts of Zoning in Islamabad
6.	Fatima Athar	MPhil Environmental Economics	Role and loss of Biodiversity: Evidence from District Hundo, KP
7.	Naeem Bahadur	MPhil Environmental Economics	Economic and environmental costs of Livestock wastes in Islamabad
8.	Syed Qasim Shah	MPhil Developing Studies	REDD+ in Province Khyber Pakhtunkhwa: Institutional Arrangements and Challenges
9.	Haroon Afridi	MPhil Developing Studies	The community health workers in Khyber Agency, FATA: Existing status and challenges

## **PUBLICATIONS:**

1. Anwar Hussain, Muhammad Rahman and Junaid Alam Memon.(2016). Forecasting Electricity Consumption in Pakistan: The Way Forward. Energy Policy. 90: 73-80.
2. Syed Sundus Raza and Anwar Hussain (2016). The Nexus of Foreign Direct Investment, Economic Growth and Environment in Pakistan. The Pakistan Development Review. Issue 3.
3. Naveed Hayat, Anwar Hussain and Hazrat Yousuf. (2016). Food Demand in Pakistan: Analysis and Projections. South Asia Economic Journal. 17(1): 94-113. DOI:10.1177/1391561415621826.
4. Anwar Hussain and Muhammad Rahman (2015). Role of Trainings on Farmers' Profitability of Medicinal and Aromatic Plants in Mountainous Areas of District Swat, Khyber Pukhtunkhwa. Pakistan Journal of Agricultural Research. 28(4): 414-421.
5. Naeem A. and A. Hussain (2015). Non Market Value of Rohtas Forte, Punjab, Pakistan. Asia Pacific Journal of Tourism Research. 1-13.
6. Anwar Hussain and Asma Saeed (2015). Environmental Impacts of Standard of Living: A Case Study of Mardan District, Khyber Pakhtunkhwa in Pakistan. Book of Proceedings of the Sixth international scientific agricultural symposium "Agrosym 2015" held on October 14-18, 2015 in Bosnia Herzegovina. Original scientific paper No. 10.7251Pages 1361-1367.
7. Umar, M. and A. Hussain (2015). Economic and Environmental Perspective of the Micro Hydro Power Plants in District Dir, KPK. The Pakistan Development Review. 54(4): 487-505.
8. Hussain, A. (2013). Determinants of Sugarcane Productivity in Pakistan. International Journal of Environment and Rural Development. 4(2): 69-75.
9. Hussain, A. M. Rahman and N. Nazir. (2013). Determinants of Electricity Consumption in Pakistan. Pensee Journal. 75(12): 36-43.
10. Hussain, A. (2013). Economic Analysis of Rice Crop Cultivation in District Swat". Journal of Agriculture Research. 51(2): 175-188.
11. Hussain, A. and N. Nazir. (2013). Analysis of Growth Rates in Different Regimes of Pakistan: Distribution and Forecasting. Journal of Managerial Sciences. 7(1): 37-57.

12. Hussain, A. (2012). Impact of Credit Disbursement, Area under Cultivation, Fertilizer Consumption and Water Availability on Rice Production in Pakistan (1988-2010). *Sarhad Journal of Agriculture*. 28(1): 95-101.
13. Hussain, A., Jehanzeb and Z. K. Malik (2012). Relationship between Area under Cultivation and Wheat Production in Pakistan: An Econometric Analysis (1960-2008). *City University Research Journal*. 2(1): 61-66.
14. Hussain, A. F. Rabbi, I. Hussain, G. Sher. (2011). The Determinants of Maize Productivity: Towards a Policy of Food Security in Pakistan. *Farming and Rural System Economics, Issues and Challenges in Rural Development: Compendium of Approaches for Socio-Economic and Ecological Development in Developing Countries Vol. III*. P.191-196.
15. Hussain, A., A. Farid, S. Hussain and S. Iqbal (2011). The Future of Budgetary Allocation to Sports Sector in Pakistan: Evidences from Autoregressive Integrated Moving Average Model. *Journal of Managerial Sciences*. 5(2): 111-124.
16. Nazir, N., Hamidullah and A. Hussain. (2011). A Thorn by the Name of Rose: General Provident Fund, Interest Bearing Activity or Tohfa-e-Siltani. *Journal of Managerial sciences*. 4(2): 178-188.
17. Hussain, A. and N. R. Khattak. (2011). Economic Analysis of Sugarcane Crop in District Charsadda. *Journal of Agriculture Research*. 49 (1):153-163.
18. Hussain, A. and A. Q. Khan. (2011). Relationship between Agriculture and GDP Growth Rates in Pakistan: An Econometric Analysis (1961-2007). *Academic Research International*. 1(2):322-326.
19. Hussain, A., N. R. Khattak and N. Muhammad. (2010). Impact of Major Farm Inputs on Tobacco Productivity in Pakistan: An Econometric Analysis (1960-2006). *Sarhad Journal of Agriculture*. 26(1): 93-96.
20. Hussain, A., N. R. Khattak, A. Q. Khan, S. Bangash and N. Nazir (2010). An Assessment of the Causes of Drop outs in Primary Schools of Mountainous Areas of District Swat. *Journal of Managerial Sciences*. 4(1):45-53.
21. Rehman, N.U. and A. Hussain (2010). Determinants of Exports in Pakistan: An Econometric Analysis (1970-2006). *Journal of Humanities and Social Sciences*. 18(1): 102-108.
22. Gul, T., A. Hussain, S. Bangash, S. W. Khattak (2010). Impact of Terrorism on Financial Markets of Pakistan (2006-2008). *European Journal of Social Sciences*. 18 (1): 98-108.
23. Hussain, A. and A. Q. Khan (2010). An Investigation into the Status of Women in Rural Areas of District Mansehra, Pakistan. *Abasyn Journal of Social Sciences*. 3(1): 101-107.
24. Khattak, N.U. and A. Hussain (2009). Determinants of Gas Energy Consumption in Pakistan: An Econometric Analysis (1971-2006). *PUTAJ Humanities and Social Sciences*. 16: 57-66.
25. Khattak, S. and A. Hussain (2009). An Analysis of the Utilization of Asian Development Bank's Loans for Books Procurement: A Case Study of Loan Provided to Technical Education Project, NWFP (1996-2004). *Sarhad Journal of Agriculture*. 25(2): 355-367.
26. Hussain, A., N. R. Khattak and A. Q. Khan. (2008). Costs Benefit Analysis of Different Rice Varieties in District Swat. *Sarhad Journal of Agriculture*. 24 (4): 745-748.
27. Hussain, A., N. R. Khattak and A. Q. Khan. (2008). Role of Community Based Organizations in Rural Development: A Case Study of Selected CBOs in District Swat. *Sarhad Journal of Agriculture*. 24 (4): 749-753.
28. Hussain, A., N. R. Khattak and A. Q. Khan. (2008). An Analysis of Socioeconomic Profiles of the Rural Community Involved in Natural Resources Management: A case study of Hilkot Watershed Mansehra. *Sarhad Journal of Agriculture*. 24 (4): 671-675.
29. Khan, A. Q., N. R. Khattak, A. Hussain and Jehanzeb. (2008). Crowding-in Effect of Budget Deficit: Evidence from Pakistan (1960-2005). *Sarhad Journal of Agriculture*. 24 (4): 677-683.

30. Khan, A. Q., N. R. Khattak, M. S. Khattak and A. Hussain. (2008). Inter-Dependencies in Budget Deficit and its Financing Sources in Pakistan (1960-2005). *Sarhad Journal of Agriculture*. 24 (4): 763-769.
31. Khattak, N.R. and A. Hussain. (2008). An Analysis of Gender-based Participation in Major Economic Activities: A Case Study of Selected Villages of District Mansehra. *Sarhad Journal of Agriculture*. 24 (1): 181-185.
32. Khattak, N.R. and A. Hussain. (2008). An Assessment of the Inequality in Income and Land Holdings among Rural Rice Farmers of District Swat. *Sarhad Journal of Agriculture*. 24 (1): 187-189.
33. Khattak, N.R., A. Hussain and A. Q. Khan. (2008). Impact of Population Policies on Population Indicators: 1990-2006. *FWU Journal of Social Sciences*, Frontier Women University, Peshawar. 2 (1): 85-94.
34. Khattak, N.R., A. Q. Khan and A. Hussain. (2008). Inter-dependencies and Causality in the Macroeconomic Variables: Evidence from Pakistan (1960-2005). *Sarhad Journal of Agriculture*. 24 (1): 199-205.
35. Khattak, N.R. and A. Hussain. (2008). An Analysis of Socioeconomic Profile of Rice Farmers in Rural Economy of District Swat. *Sarhad Journal of Agriculture*. 24 (2): 377-382.
36. Khan, A. Q., N. R. Khattak and A. Hussain. (2008). Inter-Relationship of Gross Domestic Product (GDP) Growth and Unemployment in Pakistan (1960-2005). *Journal of Law and Society*, University of Peshawar. Vol XXXVIII No. 51: 77-84.
37. Khattak, N.R. and A. Hussain. (2006). Role of Farm Inputs and Rice Productivity in District Swat: An Econometric Analysis. *Sarhad Journal of Agriculture*. 22(1): 163-167.
38. Khattak, N.R. and A. Hussain (2006). A Review of the Principles of Islamic Banking System for Agriculture Credit. *Sarhad Journal of Agriculture*. 22(2): 341-345.

#### ***WORKING PAPERS***

39. Syed Umar Hayat Shah and Anwar Hussain (2016). Economic and Environmental Costs and Benefits of Paper Mulberry: A case study of Islamabad. *PIDE Working Paper Series*.
40. Ayesha Shujahi and Anwar Hussain (2016). Economic and Environmental Costs of Tourism: Evidences from District Abbottabad. *PIDE Working Paper Series*.
41. Salma Kausar and Anwar Hussain (2016). Socio-Economic and Environmental Factors Affecting Health in District Bhimber (AJK). *PIDE Working Paper Series*.

#### **NEWSPAPER ARTICLES**

42. Anwar Hussain. (August 7, 2015). Going vegetarian. *The NEWS International*
43. Anwar Hussain. (September 11, 2015). Agriculture and Environment. *The NEWS International*.
44. Anwar Hussain. (October 2, 2015). Economics and Environment. *The NEWS International*.
45. Anwar Hussain. (December 3, 2015). Dependence on Agriculture. *The NEWS International*.
46. Anwar Hussain (January 23, 2016). Water under Threat. *The NEWS International*

#### **PAPERS UNDER PROCESS**

1. Anwar Hussain and Jaffar Hussain. "Trends in Domestic Terms of Trade of Agricultural sector of Pakistan" *German Journal of Agricultural Economics*.
2. Anwar Hussain and Muhammad Rahman. "The Future of Gas Consumption in Pakistan: Evidences from Time Series Econometric models" *FWU Journal of Social Sciences*.

3. Anwar Hussain and Rabia Bangash. "Impact of Climate Change On Crops Productivity Across Selected Agro Ecological Zones In Pakistan" The Pakistan Development Review. (Special issue).
4. Anwar Hussain and Zunaira Zareen. "Factors Influencing Hotel's Room Charges: A Case of Rawalpindi-Islamabad in Pakistan". International Journal of Contemporary Hospitality Management
5. Naveed Hayat, Anwar Hussain and Hazrat Yousuf. "Food demand pattern of households across income groups in Pakistan" Amfiteatru Economic
6. Is manufacturing the economic growth trajectory in Pakistan? Analyses of Social Issues and Public Policy.
7. Demand and Supply Projections of Major food Grains in Pakistan. Romanian Journal of Economic Forecasts.