

DR. ANWAR HUSSAIN
Assistant Professor / Deputy Dean, Faculty of Social Sciences

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
hello2anwar@yahoo.com

EDUCATION

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

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 19, 2014 till-date.*

RESEARCH EXPERIENCE

- Working as a research Associate in the project “Efficient Participatory Irrigation Institutions to Support Productive and Sustainable Agriculture in South Asia” funded by Australian center for International agriculture research (ACIAR). Continued.
- Principle Investigator of the Competitive granted project “An Analysis of Ecological Footprint in Rural Urban Areas of Punjab Province, Pakistan ” funded by HEC conducted in the year 2015-16
- Worked as a Research Economist in Pakistan Institute of Development Economics (PIDE), Islamabad since 15-02-2010 to 18-04-2014.
- Monitoring Specialist/ Supervisor of the Project “Migration Survey in Pakistan (2016)” funded by International Organization for Migration (IOM) conducted in the year 2016.
- Co-Principal Investigator of the Project “Abatement Cost Calculation” funded by the Ministry of Climate Change, Islamabad, conducted in the year 2016.
- Principal Investigator of the Competitive Granted project “Economic and Environmental Costs and Benefits of Paper Mulberry: A Case study of Islamabad” funded by Pakistan Health Research Council (PHRC), Islamabad, conducted in the year 2016.

- Principal Investigator of the Competitive Granted project “The facility of Lady Health Workers in FATA” funded by Pakistan Health Research Council (PMRC), Islamabad, conducted in the year 2016
- Co-Principal Investigator of the Competitive grant project “Pakistan with and without SAFTA” funded by South Asia Network of Economic Research Institute (SANEI), conducted in the year 2016.
- 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 conducted in the year 2015-16.
- Co-Principal Investigator of the Competitive grant project “Groundwater Water Sustainability in Baluchistan” funded by IFPRI, conducted in the year 2015
- Remained as Senior Research Investigator of HEC funded Project titled “Rice Economy of District Swat”, conducted in the year 2004.
- 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.
- 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, conducted in the year 2005.

ADMINISTRATIVE EXPERIENCE

- Deputy Dean, Faculty of Social Sciences, Pakistan Institute of Development Economics (PIDE), Islamabad with effect from February 10 , 2017 to-date
- 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.
- Head, committee for framing rules for regular faculty at Pakistan Institute of Development Economics (PIDE), Islamabad.

AREAS OF INTEREST

Agriculture Economics, Macroeconomics, Environmental Economics and Econometrics

MEMBERSHIP

- 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.

CONFERENCES/SEMINARS

- Presented paper in the International Conference organized by the Applied Economics Research Centre, held on November 22-24, 2016 at Karachi University, Karachi.
- Presented “MPhil these guidelines for the students of Environmental Economics” on May 2, 2016 in Pakistan Institute of Development Economics (PIDE), Islamabad.
- Presented research paper titled “Environmental Impacts of Standard of Living” in the 6th 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 4th 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 Training Workshop on “PhD Students’ Supervision – Capacity Building of faculty and Staff of HEIs” on March 17, 2017, organized by Higher Education Commission Tertiary Education Support Program
- Participated 3-Days Training Workshop on Impact Pathway Analysis and Monitoring Evaluation Report Learning from January 30, 2016 to February 01, 2017 in Islamabad, Pakistan.
- 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

- Supervised 3 PhD and 39 MPhil students who completed their Degrees in the Field of Economics, Environmental Economics and Development Studies.
- Supervised 15 Internees in PIDE came from various Universities of Pakistan.

PUBLICATIONS:

1. Junaid Alam Memon, Gulalai Jomezai, Anwar Hussain and Mumtaz. (2017). Farmers' enthusiasm for revival of tradition karez systems in Balochistan. *Human Ecology*. 1-11. DOI 10.1007/s10745-016-9890-1.
2. Zafirullah Khan, Anwar Hussain and Nasir Iqbal. Institutions and Innovation: Evidence from Countries at Different Stages of Development. *The Pakistan Development Review*. **Accepted**. Vol.57 No.1, Spring (2018).
3. Muhammad Salam, Javed Iqbal and Anwar Hussain. The Determinants of Services Sector Growth: A Comparative Analysis of Selected Developed and Developing Economies. *The Pakistan Development Review*. **Accepted**. 2018.
4. Anwar Hussain and Rabia Bangash. Impact of climate change on crops' productivity in Agroecological zones of Pakistan. *The Pakistan Development Review*. **Accepted**. Issue No. 2, 2017.
5. Anwar Hussain, Muhammad Rahman and Junaid Alam Memon (2016). Forecasting Electricity Consumption in Pakistan: The Way Forward. *Energy Policy*. 90: 73-80.
6. Syed Sundus Raza and Anwar Hussain (2016). The Nexus of Foreign Direct Investment, Economic Growth and Environment in Pakistan. *The Pakistan Development Review*. 55(2): 95-111.
7. 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.
8. 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.
9. Naeem A. and A. Hussain (2015). The recreational Value of Rohtas Forte, Punjab, Pakistan. *Asia Pacific Journal of Tourism Research*. 1-13.
10. Anwar Hussain, Muhammad Rahman and Naila Nazir (2016). Food Grain Production in Pakistan: Influencing Factors and Future Outlook. *Annals of Agriculture and Crop Sciences*. 1(3): 1013.
11. 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.
12. 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.
13. Hussain, A. (2013). Determinants of Sugarcane Productivity in Pakistan. *International Journal of Environment and Rural Development*. 4(2): 69-75.
14. Hussain, A. M. Rahman and N. Nazir. (2013). Determinants of Electricity Consumption in Pakistan. *Pensee Journal*. 75(12): 36-43.
15. Hussain, A. (2013). Economic Analysis of Rice Crop Cultivation in District Swat". *Journal of Agriculture Research*. 51(2): 175-188.
16. 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.

17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. Hussain, A. and N. R. Khattak. (2011). Economic Analysis of Sugarcane Crop in District Charsadda. *Journal of Agriculture Research*. 49 (1):153-163.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.

33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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

1. Usman Ali Khan and Anwar Hussain (2017). Analysis of ecological footprint of rural-urban households in Islamabad. *PIDE Working Paper Series*.
2. 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*.
3. Ayesha Shujahi and Anwar Hussain (2016). Economic and Environmental Costs of Tourism: Evidences from District Abbottabad. *PIDE Working Paper Series*.
4. Salma Kausar and Anwar Hussain (2016). Socio-Economic and Environmental Factors Affecting Health in District Bhimber (AJK). *PIDE Working Paper Series*.
5. Hina Irshad and Anwar Hussain (2016). Analysis of Ecological Efficiency and its Influencing Factors in Developing Countries. *PIDE Working Paper Series*.

NEWSPAPER ARTICLES

6. Anwar Hussain. (**August 7, 2015**). Going Vegetarian. The NEWS International
7. Anwar Hussain. (**September 11, 2015**). Agriculture and Environment. The NEWS International.
8. Anwar Hussain. (**October 2, 2015**). Economics and Environment. The NEWS International.
9. Anwar Hussain. (**December 3, 2015**). Dependence on Agriculture. The NEWS International.
10. Anwar Hussain (**January 23, 2016**). Water under Threat. The NEWS International
11. Anwar Hussain (**October 6, 2016**). Green Accounting. The NEWS International
12. Anwar Hussain (November 2016). Understanding Growth in Islam. The NEWS International

OTHER ACTIVITIES

- ✓ Organized seminar on “Agriculture Sector Issues, Challenges and Opportunities in Pakistan and Role of Policy Research” by Dr. Ejaz Qureshi, Research Program Manager, Australian Centre for International Agriculture Research (ACIAR), Australia. The Seminar was held on Thursday, March 30, 2017, at 11.00 A.M. in A.R. Kemal Conference Room of the Institute.
- ✓ Organized seminar on “Growth and Environment in Malaysia: where structural changes stands” by Wajahat Bangash, PhD Candidate in University of Malaya, on April 03, 2017 (Monday) in A.R. Kemal Conference Room of the PIDE, Islamabad.
- ✓ Organized a Brainstorming Session on setting Policy and Action Priorities for Agriculture with key stakeholders in 2017 was held on Friday March 1, 2017 in the Vice Chancellor Office, PIDE.
- ✓ Arranging an MoU between AERC and PIDE (Still in process)