

DR. ABDUL SALAM

I. Mailing Address:

House No. 534, Street No. G11/1,
Islamabad, Pakistan
Phones: (051) 2364294
Mobile: 0334 5235 363
E-mail: drsalam46@gmail.com



II. Academic Qualifications:

1. Ph.D. Agricultural Economics
(Specialization in Development Economics)
 2. Post Graduate Certificates in:
 - Rural Development
 3. M.Sc. (Hons.) Agri. Economics
- University of Hawaii, (USA), 1975.
 - U. N. Asian & Pacific Development Institute, Bangkok, 1978.
 - Michigan State University, East Lansing (USA), 1971.
 - University of Agriculture, Faisalabad, Pakistan, 1969
 - (First Class academic record throughout the studentship).

III. Fellowships and Scholarships:

1. Hewlett Fellow of the International Agricultural Trade Research Consortium: 2006 - 2009.
2. Fellow of the U.N. Asian and Pacific Development institute, Bangkok,
3. Won East-West Centre Scholarship for graduate studies in Agricultural Economics at the University of Hawaii, Honolulu, 1970-74.
4. Won Fellowship of the Asian Studies Centre, Michigan State University, for attending Seminar on Rural Development, summer 1971.
5. Won merit scholarships in M.Sc.(Hons.), B.Sc.(Hons.) and F.Sc. while studying at the University of Agriculture, Faisalabad, Pakistan.

V. Professional Positions and Experience:

**1. Professor of Economics,
Abdul Qadir Memorial Chair (SBP),
University of the Punjab, Lahore
February 20, 2017 ---**

2. Professor of Economics

Federal Urdu University of Arts, Science and Technology,
Islamabad (May 2006 to July 2016)

A.1 Teaching duties:

- **Developed and taught following courses to Ph.D., and M.Phil.**
 - Development Economics,
 - Research Methods in Social Sciences,
 - Food and agricultural policy

A.2. Conducted following courses for M.Sc. students

- Agricultural Economics
- Macroeconomics,
- International Economics
- Conducting and supervising research of M. Phil and PhD students. HEC approved supervisor for Ph.D.

B. Research duties

- Conducting and guiding Ph. D. and M.Phil. students thesis research

C. Administrative duties

- Chairperson, School of Economic Sciences, June 2012 – May 2016

D. Other duties

- Member University Disciplinary Committee
- Member HEC committee to review the Courses in Agricultural Economics
- Convener, Accreditation Inspection Committee constituted by National Agriculture Education Accreditation Council to review the degree programs in Economics and Agricultural Economics of the Arid University of Agriculture, Rawalpindi and University of Agriculture at Peshawar.

**3. Director, Innovative Development Strategies, Islamabad
(June 2004 - May 2006)**

- Carried out research on the agricultural pricing policy developments in Pakistan with special reference to cotton and wheat crops tracing the linkages of domestic and international prices.

- Member of the research team which conducted a survey on access to finance in the NWFP.
- Member of the inter-disciplinary team which analyzed the impact of privatization on fertilizer use, production and marketing.

4. Chairman (BS-22), Agricultural Prices Commission, Government of Pakistan, (May 2002 to May 2004)

Principal responsibilities:

- Advised the Government on minimum prices of wheat, rice (paddy), seed cotton and sugarcane, and on measures to remove various constraints in their production, processing and marketing systems.
- Supervised and guided the professional staff (20-25), comprising economists, statisticians and agronomists, in conducting policy oriented research.
- Exercised financial and administrative control of the affairs of the Agricultural Prices Commission.
- Represented the Commission in the Cabinet / ECC meetings on agricultural policy issues.
- Represented the Government of Pakistan at the 26th Session of the Codex Alimentarius Commission, at Rome: June 30 – July 7, 2003.
- Headed Pakistani delegation to the First Meeting of the Pak- Iran Working Group on Agriculture, held at Tehran: April 7-8, 2004.
- Chaired the following committees, appointed by the Ministry of Food and Agriculture:
 - **National Committee on WTO,**
 - **Committee on providing Relief on Input Prices to Farmers,**
 - **Committee** to ascertain causes of low yield / production of 2002-03 Wheat Crop,
 - **Technical Committee for the** selection of Senior Policy Advisor and other consultants under the ADB's ASPL II, and
 - **Committee** for Marketing and Economic Research on Cotton.
- Member /Secretary of the Wheat Marketing Committee appointed, by the Government of Pakistan, to analyze costs and incidentals in its marketing and storage.
- Member of the Committee on Sugar beet appointed, by the ministry of Food and Agriculture, to examine economics of producing sugar from sugar beet.

**5. Member Economics, (BS-21),
Agricultural Prices Commission, Government of Pakistan
(November 1993 to May 2002)**

Main Responsibilities:

- **Supervised and spearheaded the analysis of economic and technical policy issues impacting on the production and marketing of important food and cash crops.** These, inter alia, included:
 - Preparation of crop budgets under various production systems,
 - Analysis of domestic and global balance sheets of important commodities,
 - Examination of trends in domestic and world market prices,
 - Estimation of domestic resource cost, nominal and effective rates of protection in production of major crops,
 - Estimation of import/export parity prices,
 - Financial and economic analysis of producing major crops in the country,
 - Evaluating the impact of agricultural pricing policy on production environment, farm incomes, household budgets, processors and exports,
 - Assessment of the crop situation and analysis of production and marketing constraints.
- **Organized** sample surveys for collecting primary data on various aspects of production, marketing and processing of major field crops of Pakistan.
- **Formulated recommendations regarding support prices** of wheat, rice, cotton, sugarcane, oilseeds, onion, potatoes and gram crops, keeping in view the requirements of rational use of land and water resources and sustainable agriculture.
- **Assisted the Chairman** in the management of the Commission
- **Also looked after** work of the Chairman, off and on and from October 2000 to May 2002.
- **Represented APCOM** in the Cabinet / ECC meetings on agricultural policy issues.
- **Member/Secretary** of a high power Committee, appointed by the Government in August 2000, to review **Support Price System** in the country.
- **Member** of the committee appointed by the State Bank of Pakistan to advise on **farm credit requirements**.

6. Divisional Chief, (BS-20), Farm Production Economics, Agricultural prices Commission, (July 1982 to October 1993)

A. Was responsible for the:

- Development of methodological framework for the collection and analysis of farm management data for estimating crop budgets, cost of production and comparative economics of various enterprises for use in price policy analysis.
- Estimation and analysis of inter sectoral terms of trade.
- Evaluation of the impact of price policy proposals on other sectors of the economy.
- Planning and organization of field surveys, in collaboration with the provincial Departments of Agriculture, to collect primary data on various aspects of crop production and analysis thereof.
- Supervising and guiding the work of Farm Production Economics and Survey and Statistics Divisions, 12-15 professional economists and statisticians, and coordination with other Divisions of the Commission.
- Preparation of Working papers and minutes of Standing Committees appointed by the Commission on various subjects/crops.

B. Assisted the Commission in:

- Formulating price policy proposals and
- Recommendation for increasing
 - the efficiency of production and
 - marketing systems and
- Development of agriculture.

C. Also looked after the work of:

- **Chairman**, (August 1, 1993 to September 27, 1993), and **Member (Economics)**, January 1990 to July 1993

7. Senior Research Economist (BS-19), PIDE, (Jan.1978 -82 to June)

Duties and functions performed

- Conducted and supervised research **on socio economic issues and problems of agricultural and rural development.** Major research **efforts included:**
 - Role of mechanization in increasing farm productivity
 - Impact of the use of tractors on farm employment and tenancy
 - Adoption of technology

- Reviewed **professional articles for the Institute's quarterly: *The Pakistan Development Review***.
- **Was** responsible for organizing seminars on research papers prepared by the Institute's staff.
- **Also** contributed in drafting the **Country Report on Pakistan** for the 1979 **FAO World Conference on Agrarian Reforms and Rural Development**.

8. Research Economist, (BS-18), PIDE, (August 1975 to December 1977)

Jobs performed

- **Conducted** research on the problems of food and agriculture sector in Pakistan
- **Major research** efforts in the areas of:
 - Resource productivity,
 - Adoption and economics of fertilizers use in Pakistan
- **Refereed** articles for the Institute's quarterly: **The Pakistan Development Review**.
- **Reviewed** research proposals and reports prepared at the Institute.
- **Was responsible** for the Institute's project report: **Integrated Rural Development- A Bench Mark Survey**

9. Research Associate East West Center Food Institute, University of Hawaii, USA (April 1975 to July 1975)

- **Member of an inter-disciplinary team** undertaking research on problems of food production and adoption and marketing of fertilizers.

VI. Visiting Faculty (Graduate Classes):

- **National University of Science and technology (NUST) Islamabad (Fall 20166);** Taught undergraduate classes course on Resource Economics
- **International Islamic University, Islamabad**
 - School of Economics (Fall 2016) Taught course on Agricultural Development to undergraduate students specializing in Development
 - Faculty of Management Sciences (Summer 2002).
- **Quaid-e-Azam University, Islamabad.**

- **Department of Economics** (Fall 1979-80). Taught course: Agricultural and Resource Economics to the M.Phil students of Economics.
- **Department of Administrative Sciences**, (Fall 1976 to Spring 1979) Conducted courses in Economic Theory and Economic Development to the graduate students of Business and Public Administration.
- **Department of Economics; Federal Urdu University of Arts, Sciences and Technology, Islamabad**
 - Fall 2005: Developed and taught a course on Agri. Economics to Ph. D and M. Phil. students.
 - Spring 2006: conducted a course on Food and Agricultural Policy for Ph. D and M. Phil students

VII. External Examiner

- National College of Business and Economics, Lahore for viva voce Examination of Ph.D thesis
- Quaid-e-Azam University, Islamabad (for Ph.D. M. Phil and M.S. students in Economics and Pakistan Studies).
- PIDE, Islamabad (for Ph.D students in Economics)
- Fatima Jinnah Women University, Rawalpindi (Thesis examiner for M.Sc students in Economics)
- Faculty of Agricultural Economics and Rural Sociology, University of Agriculture, Faisalabad. (Paper setter and thesis examiner)

VIII. Guest Lecturer

- Delivered lectures on various aspects of Pakistan's economy, development strategy, WTO and agricultural policy in the training courses organized by:
 - National Defence College, Islamabad.
 - Pakistan Administrative Staff College, Lahore.
 - National Institute of Public Administration, Lahore
 - Pakistan Institute of Development Economics, Islamabad.
 - National Centre for Rural Development, Islamabad.
 - Pakistan Manpower Institute, Islamabad.
 - Federal Bank for Co-operatives, Islamabad
 - Agricultural Development Bank of Pakistan, Islamabad.

IX. Consultancy

- Member of an international inter-disciplinary team of consultants to the Asian Development Bank for preparing a technical and economic feasibility Report of Chashma Right bank Canal Project, Phase, III, (October, 1989 to January 1990). Was responsible for preparing farm budgets, economic analysis of competing crops, estimating export/import parity prices of various food and cash crops in the project area and ascertaining the impact of the project on crop production and farm incomes.

- Consultant to the U.N. Asian and Pacific Development Institute, Bangkok: Rural Development and Local Planning Project (May – June, 1980)
- Collaborated with IFPRI on studies relating to integration of wheat markets in Pakistan and economic reforms in food and farm inputs markets and agricultural and trade policies in Pakistan.
- Consulted with ADB and FAO, Islamabad Mission Offices on rural poverty and food security issues.
- Member of the Consultants Team working under Kym Anderson, Lead Economist World Bank, Washington on the international research project: Distortions to Agricultural Incentives.

X. Other Professional Activities

1. Member of the National Advisory Board of the Food Security Centre of PIDE
2. **Member Working Group on Agriculture and Food Security**, Constituted by the Planning Commission for the 10th Five Year Plan
3. **Headed the Pakistan Delegation to the First meeting of the Pakistan Iran Joint Working Group on Agricultural Co-operation** held at Tehran on 7 –8 April, 2004.
4. **Chairman Wheat Crop Situation Committee**, appointed by the Ministry of Food, Agriculture and Livestock to ascertain the reasons of shortfall in production / productivity of 2002-03 crop.
5. **Chairman of the Committee** appointed by the Ministry of Food, Agriculture and Livestock in December 2002 for formulating proposals on relief package for the farmers.
6. **Chair of the National Committee** on WTO appointed by the Ministry of Food and Agriculture.
7. Chair of the Marketing and Economic Research Sub Committee of the Pakistan Central Cotton Committee, Karachi.
8. Member Policy Analysis and Advisory Network for South Asia of the IFPRI Washington D.C.
9. Member Inter University Curriculum Review Committee for Graduate studies in Agricultural Economics
10. Member/ Secretary of the Support Price Committee, constituted in August, 2000 by the Government to review the Marketing System of Agricultural Products.
11. Member/Secretary of the Committee constituted by the Government in 2001 to review Wheat Marketing System.
12. Member Experts Committee, constituted by State Bank of Pakistan in October, 2000 to review the methodology of estimating agricultural credit requirements.
13. **Member of the National Agricultural Co-ordination Committee** appointed by the Prime Minister of Pakistan to identify problems, policy issues and bottlenecks, devise creative solutions, and monitor policy directives relating to food and other crops.

14. **Member of the Experts Committee set up by the Prime Minister of Pakistan** in January 1989 to advise on Taxation of Agricultural Incomes.
15. Member Technical Advisory and Review Committee, appointed to supervise the study on Agricultural Pricing in Pakistan (1993) conducted by John Mellor Associates, Washington U.S.A.
16. Member Experts panel for the selection of Faculty Members, Department of Economics, Quaid-e-Azam University, Islamabad.
17. Served on Experts panel appointed by University of Agriculture, Faisalabad to evaluate the C.V. and other documents of candidates seeking teaching positions in the faculty of Agricultural Economics and Rural Sociology.
18. Member, Technical Experts Committee (Social Sciences), Pakistan Agricultural Research Council, Islamabad.
19. Member, Income Distribution Group, 7th Five year Plan, Planning Commission, Islamabad.
20. Discussant at the Annual General Meetings of Pakistan Society of Development Economists, 1984-04 (Food Policy and Agricultural Development sessions).
21. Discussant at International Labour Organization/Pakistan Institute of Development Economics Seminar: Employment and Structural Changes in Pakistan's Economy, April 1983.
22. Member, Agricultural Economics Research Committee, Punjab Agricultural Research Coordination Board, 1979.
23. Member Technical Advisory Committee, Institute of Development Studies, Peshawar, 1979-80.
24. Member, Research Committee, Department of Economics, Quaid-e-Azam University, Islamabad, 1979-80.
25. Member, Rural Development Working Group, Fifth Five Year Plan, 1978-83, Planning Commission, Islamabad.

XI. Research Papers and Publications:

A. Journal Articles:

1. "Socio Economic and Institutional Factors Influencing Fertilizer Use in the Punjab (Pakistan)". **The Pakistan Development Review**. Vol. XIV. No.4. Winter 1975. Pp 397-415.
2. "Resource Productivity in Punjab's Agriculture". **The Pakistan Development Review**. Vol. XV. No.2. Summer 1976. Pp 115-133.
3. "Economic Analysis of Fertilizer Demand in Punjab". **The Pakistan Development Review**. Vol. XVI. No.2. Summer 1977. Pp 181-191.
4. "Technological Change, Tenant Displacement and Adjustment in Pakistan's Agriculture: Some Preliminary Observations". **The Pakistan Development Review**. Vol. XVI. No.4. Winter 1977. Pp 435-448.
5. "Factor Inputs Use and Farm Productivity on Different Farm Categories in the Punjab". **The Pakistan Development Review**. Vol. XVII, No. 3. Autumn 1978. Pp 316-332.

6. "Structure of Land Holdings, Fragmentation and Resource Use in North West Frontier Province". **The Peshawar Journal of Development Studies**. Vol. 1. No.1. 1978. Pp 67-79.
7. "Adoption of Fertilizer Technology in Pakistan". **The Muslim Scientist**. Vol.9, No.1 and 2, March – June 1980. Pp 17-26.
8. "Structure of Farm Holdings, Fragmentation and Adoption of Modern Inputs in Pakistan's Agriculture". **Local Government and Rural Development Review**. Vol. II. No.1. January – March 1980. Pp 53-66. (Co authored with Moinuddin)
9. "Farm Mechanization, Use of Modern Inputs and Agricultural Productivity: Results From a Survey of Large Farms in Pakistan". **The Muslim Scientist**. Vol. 9. No. 1 and 2. March – June 1980. pp 1-16. (Co-authored with Sabur Ghayur and M. Afzal Hussain).
10. "Structure of Farm Holdings, Land Tenure and Fragmentation in Pakistan". **Pakistan Economic and Social Review**. Vol. XVIII. No. 3-4. Autumn – Winter 1980. Pp 112-126. (Co-authored with Moinuddin).
11. "Structure of Farm Holdings in Pakistan and its Implications for Meeting Basic Needs of Farm Households". *Scrutiny*. Vol. VI. No. 6. Jan-June 1980. Pp 96-108.
12. "Farm Mechanization, Employment and Productivity in Pakistan's Agriculture". **Pakistan Economic and Social Review**. Vol. XIX, No.2. Winter 1981. Pp 95-114. (Co-authored with M. Afzal Hussain and Sabur Ghayur).
13. "Farm Tractorization, Fertilizer use and Productivity of Mexican Wheat in Pakistan". **The Pakistan Development Review**. Vol. XX. No. 3. Autumn 1981. Pp 323-345.
14. "Capital Investments, Their Financing and Adjustments in Pakistan's Agriculture". **The Journal of Development Studies**. Vol. IV. 1981. Pp 17-34.
15. "Farm labour use and its Determinants: Results From a Survey in Pakistan". **Pakistan Economic and Social Review**. Vol. XXIV, No.1. Summer 1986. Pp1-21.
16. "Farm Tractorization and Productivity in Pakistan's Agriculture: An Analysis of farm Level Data". **Pakistan Journal of Agricultural Social Sciences**. Vol.1. NO.1. 1986. Pp 134-145.
17. "Terms of Trade for Agriculture in Pakistan": 1980-81 to 1991-92. **Pakistan Journal of Agricultural Economics**. Vol. 1. No.1. January 1992. Pp 60-80.
18. Review of Prices of Agricultural Inputs and Outputs. **Pakistan Journal of Agricultural Economics**. Vol.1. No.2. July 1992. Pp 1-11. (Co-author with M. Afzal, et. al)
19. "The Support Price system in Pakistan". **Pakistan Journal of Agricultural Economics**. Vol.2. No.1. January-June 1993. Pp68-96. (Co-author with M. Afzal et. al)
20. "Intervention in Agricultural Commodity Markets: a View Point", **Pakistan Journal of Agricultural Economics**. Vol.4. No.2. July- December 2001. Pp 31-44.

21. "Impact of Global Cotton and Wheat Prices on Rural Poverty in Pakistan". **The Pakistan Development Review**. Vol.45: 4 part II. Winter 2006. Pp 601-17. (Co authored with David Orden, Reno Dewina, Hina Nazli and Nicholas Minot).
22. "Wheat Markets and Price Stabilization in Pakistan: An Analysis of Policy Options". **The Pakistan Development Review**. Vol.47.No.I spring 2008. Pp 71-87. (co-authored with Paul Dorosh)
23. "Distortions in Incentives to Production of Major Crops in Pakistan: 1991-2008". **Journal of International Agricultural Trade and Development**. Volume 5. Issue No 2. 2009. Pp 185-208.
24. "Nominal and Real Prices of Principal Food and Cash Crops in Pakistan: 1991-2008". **NUST Journal of Business & Economics**. Vol. 2, No. 1. June 2009. Pp 24-31.
25. "Distortions in Prices of Food grains in Pakistan: 1996-2006." **Pakistan Journal of Applied Economics**. Vol xx Nos 1 &2, 2010.Pp 13-28.
26. "Domestic Terms of Trade and resource Transfers from Agriculture: A case Study of Pakistan". **Journal of International Agricultural Trade and Development**. Volume 7, Number 2.Pp 183-196.
27. "Competitiveness and Comparative Advantage of Important Food and Industrial crops in Punjab: Application of Policy Analysis Matrix". **Journal of International Agricultural Trade and Development**. Volume 10, Number 1. Pp81-94 (co-author with Sadia Tufail)
28. "Economic Efficiency and Distortions to Incentives in Production of Cotton and Rice Crops in Punjab." **Journal of the NUST School of Social Sciences and Humanities; January – June 2016. (Co-author with Sadia Tufail)**
29. Prices of Food Grains and Farm Inputs in Pakistan: Empirical Analysis of Farmers' Incentives and Terms of Trade; 1995 – 2015. **Pakistan Economic and Social Review**. December 2017
30. Distortions in Incentives to Production of Cash Crops in Pakistan. **Pakistan Economic and Social Review**. December 2017
31. Energy-GDP-exports nexus and energy conservation: evidence from Pakistan and South Asia. **Environmental Science and Pollution Research (2020) 27:27807–27818**. (2nd author with Muhammad Shakeel)

B. Book and Book chapters

32. The Impact of deregulation on fertilizer sector and crop productivity in Pakistan. Rome: Food and Agriculture Organization of the United Nations and Islamabad: National Fertilizer Development Centre. 2006.(Co-author with Nisar Ahmad and Khalil ur- Rehman)

33. "Public Intervention in Pakistan's Wheat Market: The Story of Two Agencies." In Rashid, Shahidur, Ashok Gulati and Ralph Cummings Jr. (eds.). **From Parastatals to Private Trade: Lessons from Asian agriculture.** Baltimore: The John Hopkins University Press. 2008. [Co-author with Mian Muhammad Mukhtar].
34. "Distortions to Agricultural Incentives in Pakistan". In **Distortions to Agricultural Incentives in Asia.** By Kym Anderson and Will Martin (eds.) Washington D.C.: World Bank 2009. [Co-author with Paul Dorosh].
35. "Agricultural Prices and Trade Policies in Pakistan." In **Agriculture and the Rural Economy in Pakistan.** Ed by David J. Spielman, Sohail J. Malik, Paul Dorosh, and Nuzhat Ahmad. University of Pennsylvania Press. 2016.(coauthor with Paul Dorosh, Elena Briones Alonso, Shuaib Malik)
36. "Consequences of Varying Exchange Rates on Agriculture in Punjab – Pakistan". In **Economic Challenges Facing Pakistan in a Changing Regional and Global Environment.** Ed. by Dr. Azam Chaudhry and Dr. Thresa Chaudhry . Lahore School of Economics. 2019.

C. Papers published in the Proceedings of National/International seminars/ Conferences

37. "Economic Analysis of Fertilizer Use on Cotton in Punjab" Proceeding of the **INPUTS** Conference, East West Centre, Honolulu, Hawaii, 1974.
38. "Scope and Adequacy of Pakistan's Agricultural Census and Census of Farm Machinery Data". Proceedings of the R.C.D. Traveling Symposium: **Recent Developments in Agricultural Statistics**, held at Lahore, June 1978.
39. "Structure of Farm Holdings in Pakistan and its Implications for Meeting Basic Needs of Farm House-holds" In **Basic Needs Strategy as a Planning Parameter.** West Berlin: German Foundation for International Development, 1979.
40. "Agricultural Output and Input Pricing in Pakistan" published in **Agricultural Output and Input Pricing**, Tokyo: Asian Productivity Organization, 1990.
41. "Agricultural Price Policy in Pakistan: Current Status and Issues". **Proceedings of National Conference on Agricultural Policies and Farmers in Pakistan.** May 19-21, 1992. (Ed. Hasan Mehdi Naqvi and Harold Jonathan) Pakistan Academy for Rural Development, Peshawar, 1994.
42. "Support Price Policy and Exports of Rice – Role of State Enterprises and Private Sector: Experience of Pakistan". **Proceedings of the FAO / AFMA Regional Seminar on: Role of State Enterprises to Improve Stocking, Storage and Handling of Food Grains, 26-30 October, 1998, at Lahore .**
43. "Fertilizer Use and Crop Productivity: Evidence from Recent Surveys and Implications for Future Strategy". **Proceedings of the Conference on:**

Agriculture and Fertilizer Use 2010, organized by Planning Commission, February 15 – 16, 1999, at Islamabad.

44. "Prices of Farm Inputs, Outputs and their Implications for Rural poverty: 1990-91 to 2002-03." **Proceedings of National Conference: April 21-23, 2004. Islamabad: Agricultural Foundation of Pakistan.**
45. "Current Food Security Situation: Challenges and Opportunities". In Irfan, Muhammad Dr. and Dr. Hafiz Muhammad Yasin (eds.). Socio-Economic Challenges Faced by Pakistan. **Proceedings of the National Conference. Organized by the International Islamic University, Islamabad: June 2008.**

D. Working Papers and Technical Research Reports:

46. **Rural Development and Local Level Planning in Pakistan**, UNCRD Working Paper No.82-9. Nagoya: U.N. Centre for Regional Development, 1982.
47. **System of Price Support and Procurement of Selected Agricultural Commodities in Pakistan**. Islamabad: Agricultural Prices commission, May 1983. (Study sponsored by CIRDAP, Comilla, Bangladesh) Co-authored with Mr. M. Shafi Niaz et. al).
48. **Measures for Improving the Efficiency of Sugarcane Production and Sugar Manufacturing in Pakistan**. Islamabad: Agricultural Prices Commission, APCom Series No. 25, November 1984.
49. **Cost of Production of Field Crops: Methodology and Empirical Results:(Rice, Cotton and Wheat)**. Islamabad: Agricultural Prices Commission, APCom Series No. 52, December 1986.
50. **Agricultural Output and Inputs Pricing in Pakistan**. November 1987, (Mimeographed) Study prepared for the Asian Productivity Organization, Tokyo, Japan.
51. **Impact of Low Agricultural Export Prices on the Agriculture Sector in Pakistan**. Paper presented at the Expert Group Meeting on the Impact of Low Agricultural Export Prices, organized by ESCAP, August 25-28, 1987 Bangkok.
52. **Cost of Production of Sugarcane: Methodology and Empirical Results:** Islamabad: Agricultural Prices Commission, APCom Series No. 74, December 1988.
53. **Agricultural Extension systems in Pakistan: A Review**. October 1989. (Mimeographed).
54. **Price Policies and the Wheat Marketing System in Pakistan**. Background paper prepared for the USAID/ IFPRI study on Integration of Wheat Markets in Pakistan. September 1994.
55. **Marketing of Sugarcane, 1997-98 Crop: Results from a Field Survey**. Agricultural Prices Commission. May 1998. APCom Series No. 170 (Co-author with Mian Muhammad Mukhtar and Muhammad Ijaz).
56. **Agri. Policy and Development: Country Report on Pakistan**. International Technical Co-operation Center/RDA/KOICA, Feb. 2000.

57. **Support Price Policy in Pakistan: Rationale, Practice and Future Options.** APCom Series No.196. Islamabad: Agricultural Prices Commission. April 2001.
58. **Report of the Support Prices Committee** (with M. Shafi Niaz, et. al), March 2001.
59. **Economics of Wheat Production: Results from Field Surveys in Punjab and Sindh.** Agricultural Prices Commission. November 2002. APCom Series No. 202.
60. **Cotton Economy of Pakistan: 1991-2005.** Working Paper Innovative development Strategies, Islamabad. September, 2005.
61. **Wheat Production, Marketing and Prices in Pakistan: 1991-2005.** Working Paper. Innovative Development Strategies, Islamabad. November 2005.
62. **The Impact of Global Cotton Markets on Rural Poverty in Pakistan.** Asian Development Bank, Background Paper No 8, November 2005. (Co author with Dr. David Orden, Senior Fellow IFPRI, Washington, Reno Dewina, Hina Nazli and Nicholas Minot).
63. **Wheat Markets and Price Stabilization in Pakistan: An Analysis of Policy Options.** Islamabad: Pakistan Institute of Development Economics Working Paper # 5. 2006. (Co-author with Paul Dorosh)
64. **Distortions to Agricultural Incentives in Pakistan.** World Bank Agricultural Distortions Working Paper 33 , 2007. [Co-author with Paul Dorosh].
65. **Production, Prices and Emerging Challenges in the Pakistan Cotton Sector.** *In Cotton Textile-Apparel Sectors of Pakistan.* By Caesar Cororaton, Abdul Salam, Zafar Altaf and David Orden (Eds.) International Food Policy Research Institute, Discussion Paper 00800. September 2008.
66. **Review of Input and Output Policies for Cereals in Pakistan.** IFPRI Discussion Paper 01223, November 2012.

E.Comments on Professional papers published in Journals/Seminar Proceedings

67. "Economics of Share Cropping in Haryana (India) Agriculture": Comment. **The Pakistan Development Review.** Vol. XX. No.4. Winter 1981.
68. "The Performance of Pakistan's Agricultural Markets in Green revolution Perspective": Comments. **The Pakistan Development Review.** Vol. XXIII. Nos. 2 and 3. Summer – Autumn 1984.
69. "Domestic Terms of Trade and Public Policy for Agriculture in Pakistan" Comment. **The Pakistan Development Review.** Vol. XXV. Nos. 3 and 4. Autumn – Winter 1985.
70. "Working of Wheat Market in Pakistan" Comments. **Proceedings of the Workshop on Wheat Market in Pakistan,** Ed. Peter A. Cornelisse and Syed Nawab Haider Naqvi. Rotterdam and Islamabad. Center for Development Planning and Pakistan Institute of Development Economics, May 1986.

71. "A Policy Model of the Wheat and rice Economy of Pakistan" Comment: **The Pakistan Development Review**, Vol.XXVI. No.4. Winter 1987.
72. "Taxes and Subsidies on Agriculture as Elements of Inter-sectoral Transfer of Resources: Magnitude of the Transfer and Search for Policy Options" Comment. **The Pakistan Development Review**. Vol.XXXVII. No.4. Winter 1988.
73. Comments on "Change in land Distribution in the Punjab – Empirical Application of the Exogenous – Endogenous Model for Agrarian Sector Analysis". **The Pakistan Development Review**. Winter 1989.
74. "Commodity Taxation and Inputs Subsidies in Pakistan Agriculture": Comments **The Pakistan Developing Review**. Vol. 30. No.4. Winter 1991.
75. "The Demand for Inputs and the Supply of Output in Pakistan: Estimating a Fixed Effects, Distributed Lag Model for Wheat Farmers" Comments. **The Pakistan Development Review**. Vol.32 No.4. Winter 1993.
76. "Agricultural Inputs Subsidies: Nature and Impact" comment. **The Pakistan Development Review**. Vol. XXXIV. No.4. Winter 1995. PP. 720 to 722.
77. "Agricultural 'Crisis' in Pakistan: Some Explanations and Policy Options": Comment. **The Pakistan Development Review**. Vol. XXXVI. No.4. Winter 1997. PP. 460 – 466.
78. Pakistan's Agriculture in the 21st Century", Comments. **The Pakistan Development Review**. Vol. 37. No.4. Winter 1998. PP 254 – 256.
79. "Strategic Reforms for Accelerated Agricultural Growth in Pakistan" Comments. **The Pakistan Development Review**. Volume XXXVIII. Number 4.Winter 1999.
80. "The Consequences of the Agricultural Productivity Growth for Rural Landless Households: Findings from Research based on the Indian Green Revolution Experience": Comments. **The Pakistan Development Review**. Volume 39. Number 4. pp 359 - 361.
81. "Employment Multipliers from Agricultural Growth and Poverty Reduction": Comments. **The Pakistan Development Review**.
82. "Impact of Changing Profile of Rural Land Market in Pakistan on Resource Allocation and Equity": Comments. **The Pakistan Development Review**. Volume XXXIII. No. 4. Winter 2004. pp 490-492.
83. "Dynamic Modeling of Private Investment in Agriculture Sector of Pakistan". Comment. **The Pakistan Development Review**. 47:4 part II (Winter 2008) pp. 529-530.
84. "Edible Oil Deficit and its Impact on Food Expenditure in Pakistan". Comment. **The Pakistan Development Review**. 47: 4 part II (Winter 2008) pp. 544-546.
85. "Growth- Poverty Linkage and Income Asset Disparity in regional Development: Evidence from Pakistan and India": Comments. **The Pakistan Development Review**. 48:4 Part I (Winter 2009) pp.379-383

F. Newspaper Articles:

86. "Food Security and Weed Control". **Dawn Economic & Business Review**, July 17 – 23, 2000.

87. "Wheat Production: lessons from 1999-2000 crop". **Dawn Economic & Business Review**: July 31 – August 6, 2000.
88. "Sugar Crisis: Causes and Remedies". **Dawn Economic & Business Review**: September 18 – 24, 2000.
89. "Marketing: the Achilles' Heel of Agriculture". **Dawn Economic & Business Review**: November, 13 – 19, 2000.
90. "Wheat Pricing Policy: A Balancing Act". **The Pakistan Observer**, October 25, 2000.
91. Rice economy: a wake up call. **Dawn Economic & Business Review**, **October 12 --- 18, 2009 P.III.**
92. **Wheat harvet and food security**, **Dawn Economic and Business Review**, **May 4-10, 2015**
93. **Rationale for support prices and input Subsidies**, **Dawn Economic and Business Review**, **May 17-24, 2015**
94. **Wheat Policy Procurement: Choosing the right policy instrument.** **Dawn Economic and Business Review**, **April 27, 2020 .**

G. Book Reviews

1. National and International Agricultural Research and Extension Programmes: by James E. Boyce and R. Evenson. **The Pakistan Development Review**. Vol. xv, No.3, autumn 1976.
2. Serving Agriculture as an Administrator by A.T. Mosher, **The Pakistan Development Review**. Vol, xvi, No.1, spring 1977.

XI. International Conferences, Seminars and Workshops:

1. Attended the Fifteenth International Conference of the Lahore School of Economics on: Management of the Pakistan Economy, held at Lahore in March 2019, and presented a paper, **Consequences of Varying Exchange Rates on Agriculture in Punjab – Pakistan.**
2. Participated in the 34th Annual Conference of Pakistan Society of Development Economists, held at Islamabad in December 2018, and made a presentation on: **Revitalizing Agriculture Sector in Pakistan.**
3. Participated in the Experts Group on Agricultural Policy meeting of the Asian Productivity Organization at Tokyo, July 22-24, 2015
4. Attended the annual meeting of the International Agricultural Trade Research Consortium (IATRC), held at Fort Meyers, Florida, USA; December 12-15, 2009.
5. Participated in the IATRC meeting at Scottsdale, Arizona- USA in December 2008.
6. Attended the IATRC meeting at Seoul held in July 2008
7. Attended the IATRC meeting held in Beijing in June 2007.

8. Attended the IATRC meeting held at St. Petersburg, Florida in December 2006.
9. Participated in the 26th Conference of the International Association of Agricultural Economists, held in Gold Coast, Australia; 12-18 August 2006
10. Participated in the International workshop on Agribusiness: From Parastatals to Private Trade by International Food Policy Research Institute (IFPRI), Washington at New Delhi in December 2003 and presented country paper on Pakistan.
11. Participated in the meeting of IFPRI's Policy Analysis and Advisory Network for South Asia held at New Delhi in August 2003.
12. Represented the Government of Pakistan at the 26th Session of the Codex Alimentarius Commission held at Rome, June 20 – July, 2003.
13. Attended the **Agricultural Policy Development Course**, organized by Korean Government in Seoul in February 2000.
14. Meeting of the **International Wheat Council**, held at Helsinki June 20-21, 1995.
15. Meeting of the **Regional Steering Committee** of the World Bank on Sustainability of Rice-Wheat Cropping Systems in the Indo-Gangetic Plains, held at New Delhi, 19-20 May, 1994.
16. Symposium on **Agricultural Output and Input Pricing**, organized by the **Asian Productivity Organization**, Tokyo, at Kuala Lumpur, November 7-13, 1988.
17. Expert Group Meeting on the **Impact of Low Agricultural Export Prices**, organized by ESCAP, at Bangkok, August 25-28, 1987.
18. Seminar on **Basic Needs Strategy as a Planning Parameters**, Organized by the German Foundation for International Development, West Berlin (West Germany), 20-29 June 1979.
19. R.C.D. Traveling Symposium on **Recent Development in Agricultural Statistics**, held at Lahore, June 1979.
20. U.N. Asian and Pacific Development Institute's Seminar on **Rural Development**, held at Bangkok, May 1 June 9, 1978.
21. Workshop on **Agricultural Perspective Planning**, Organized by FAO/Ministry of Agriculture at Islamabad, January 1977.
22. First Review Meeting of the East-West Food Institute **INPUTS** Project, organized by the East-West Centre, May 1976.
23. Workshop on **Marketing Systems of Fertilizers in Asia and Pacific**, organized by the East West Centre, May 1976.
24. Planning Meeting of the **INPUTS** Project, organized by the East-West Centre at Honolulu, USA, 1974.
25. Workshop on **Rural Development**, Michigan State University, East Lansing, Michigan, USA, Summer 1971.

XIII. **Membership of Professional Societies:**

- Hewlett Fellow of the International Agricultural Trade Research Consortium.

- Member, Gamma Sigma Delta - International Honor Society of Agriculture.
- Member, International Association of Agricultural Economists
- Member, American Association of Agricultural Economics, 1972-74.
- Fellow of the U.N. Asian and Pacific Development Institute, Bangkok.
- Fellow of the German Foundation for International Development, West Berlin.

XIV. Editorial Experience:

- **Editor:** Pakistan Journal of Agriculture Economics (Journal was launched under my editorship in 1992).
- **Co-editor:** The Pakistan Development Review (Autumn 1981, Winter 1981 and Spring 1982 Issues).
- **Editor:** Journal of Agricultural Policy and food Security

XV. Journal Referee:

- **Refereed papers relating to the economics of farm production, food policy, agriculture and rural development for the following Journals:**
 - Journal of Developing Areas, USA.
 - The Pakistan Development Review.
 - The Peshawar Journal of Development Studies.
 - Pakistan Journal of Agricultural Social Sciences.
 - The Pakistan Cottons.
 - The Pakistan Journal of Agricultural Economics.
 - Pakistan Journal of Applied Economics.
 - NUST journal of Business and Economics.
 - Pakistan Journal of Agricultural Sciences (PJAS).
 - Business & Economic Review.

XVI. Countries Visited

Australia, Bangladesh, Canada, China, Finland, Germany, Hong Kong, Iran, Italy, India, Japan, Malaysia, Saudi Arabia, Singapore, South Korea, Thailand, U. K. and U. S. A.

XVII. Field Research Surveys:

- Organized and supervised following 10 country-wide field surveys to collect input-output data and guided the computerization and analysis of data with special emphasis on estimation of (i) cost of production and crop budgets, (ii) comparative economics and (iii) productivity of farm resources across various farm groups.
 - Survey on 1994-95 rice crop.
 - Survey on 1994-95 cotton crop.
 - Survey on 1990-91 sugarcane crop.
 - Survey on 1987-88 wheat crop.
 - Survey on 1986-87 rice crop.
 - Survey on 1986-87 cotton crop.
 - Survey on 1984-85 sugarcane crop.
 - Survey on 1982-83 wheat crop.
 - Survey on 1982-83 rice crop.
 - Survey on 1982-83 cotton crop.

- Conducted a farm management survey in 16 villages of Sahiwal and Gujranwala districts of the Punjab - Pakistan, 1973-74 in connection with my PhD dissertation: **Economic Analysis of Fertilizer Application in Pakistan.**
- Conducted a farm survey in 14 villages of Sahiwal tehsil of the Punjab Province in 1969 in connection with my M.Sc (Hons.) Thesis: **Problems of Excess Capacity Adjustment and Sources of Financing of Private Tube well Farmers in Sahiwal.**

XVIII. Policy Reports Prepared while Working at APCOM

1. Twenty eight Support Price Policy Reports, i.e. for the 1993-94 crops of wheat and gram: for the 1994-95 crops of sugarcane and cotton: 1995-96 crops of onions: for 1997-98 crops of cotton, rice (paddy), rice (cleaned), oil seeds, and onions: for the 1998-99 crops of sugarcane, cotton and rice, for 2000-01 crop of onion, for 2001-02 crops of sugarcane, cotton, rice and wheat, 2002-03 crops of sugarcane, cotton, rice and wheat, for 2003-04 crops of sugarcane, cotton, rice and wheat and 2004-05 crops of sugarcane, cotton and rice were finalized by me as **Chairman, Agricultural Prices Commission.**
2. During the course of my work at the Agricultural Prices Commission (since 1982), I have been actively involved in the analysis of various economic issues relating to the determination of support prices, and in the preparation of following **171** price policy reports, submitted to the Government of Pakistan. These Reports, inter alia, include assessment of demand and supply situation of the commodity, estimates of export / import parity prices, cost of production, comparative economic analysis, changes in its purchasing power over time etc. The reports also highlight various factors and constraints inhibiting the efficiency of production and marketing systems of the respective commodities.
3. **Support Price Policy for Wheat:** 22 reports; 1982-83 to 2003-04 crops.
4. **Support Price Policy for Rice (Paddy):** 22 reports; 1983-84, to 2004-05 crops.
5. **Support Price Policy for Rice (Cleaned):** 7 reports; 1991-92 to 1998-99 crops.
6. **Support Price Policy for Seed Cotton:** 22 reports; 1983-84 to 2004-05 crops.
7. **Support Price Policy for Sugarcane:** 21 reports; 1984-85 to 2004-05 crops.
8. **Support Price Policy for Non-Traditional Oilseeds:** 18 reports; 1982-83 to 1999-2000 crops.
9. **Support Price Policy for Potatoes:** 19 reports; 1982-83 to 2000-2001 crops.
10. **Support Price Policy for Onions:** 18 reports; 1982-83 to 2000-2001 crops.
11. **Support Price Policy for Gram:** 18 reports; 1982-83 to 2000-2001 crops.

12. **Support Price Policy for Rapeseed and Mustard:** 3 reports; 1982-83 to 1986-87 crops.
13. **Support Price Policy for Groundnut:** 1992-93 crops

Total number of policy reports: 171