

Curriculum Vitae

Mushtaq Ahmad Khan

Room 251, Academic Block, LUMS, Opposite Sector U, DHA, Lahore Cantt.54792, Lahore, Pakistan.
Phone: +924235608078, +923028499322. E-mail: mushtaq@lums.edu.pk

Current Appointment:

Associate Professor, Department of Economics, Lahore University of Management Sciences (LUMS), Lahore, Pakistan. July 2004 - present.

Previous Appointments:

Assistant Professor, Lahore University of Management Sciences, Lahore, Pakistan. August 2000 – June 2004.

Assistant Professor and Head, Department of International Economics and Management Sciences, Suleyman Demirel University, Almaty, Kazakhstan. September 1999 - July 2000.

Assistant Professor, Department of Economics, Quaid-i-Azam University, Islamabad, Pakistan. December 1997-December 2004

Lecturer, Department of Economics, Quaid-i-Azam University, Islamabad, Pakistan. January 1987-December 1997

Teaching GTA, Department of Economics, Kansas State University, Manhattan, KS, USA. August 1993 – July 1997

Research Assistant, Department of Agricultural Economics, Kansas State University, Manhattan, KS, USA. August 1992 - July 1993

Lecturer, Department of Economics, Quaid-i-Azam University, Islamabad, Pakistan. January 1987 - December 1997

Lecturer/Research Officer, International Institute of Islamic Economics, International Islamic University, Islamabad, Pakistan. March 1985 - January 1987

Education:

M.Sc. Economics, Quaid-i-Azam University, Islamabad, Pakistan, 1984.

Ph.D. Economics, Kansas State University, Manhattan, KS, USA, July 1997.

Ph. D. Dissertation:

Dual Careers in Academia -- Does Working at a University with One's Partner Affect Wage Growth?

Ph.D. Course work:

Mathematical Economics
Adv Microeconomic Theory 1
Topics in Advanced Microeconomics

Topics in Agricultural Economics
Agricultural Pricing Policy

Introduction to Econometrics
Income & Employment Theory 1
Problems in Labor Economics

Seminar in Labor Economics

Microeconomic Theory
Adv Microeconomic Theory 2
Topics in Advanced
Macroeconomics
Dynamic Control Theory
Agricultural Demand and Price
Analysis
Econometric Methods
Income & Employment Theory 2
Industrial Organizations & Public
Policy
Applied Econometrics

Specializations:

Agricultural Economics; Microeconomics; Econometrics; Labor Economics

Computer Skills:

STATA, SAS, TSP, and SPSS.

RESEARCH GRANTS AND CONSULTING:

- **World Bank, Washington, D.C.:** Collaborating on the Pakistan Country Economic Memorandum – World Bank Study, August 2021 to August 2022 (with Abid A. Burki).
- **Tetra Pak Pakistan:** Emergence of Pakistan's Dairy Sector: Achievements and Constraints, December 2017 to May 2019 (with Abid A. Burki).
- **Tetra Pak Pakistan:** Economic Impact of the Dairy Sector in Pakistan, December 2018 (with Abid A. Burki).
- **Consortium for Development Policy Research (CDPR):** Engagement with Punjab under CPEC: A proposed framework for agriculture, July 2017.

- **Government of the Punjab, Planning and Development Department, Punjab Economic Research Institute (PERI)**, Punjab Economic Report 2017 (with Usman Khan, Syed Turab Hussain and Nazish Afraz).
- **IFPRI-Pakistan Strategy Support Program, Team Lead**: Cluster-based Industrialization and Firm Productivity in Pakistan (With H. Majid and A. Riaz), July 2015.
- **International Growth Centre, London School of Economics, London**: Competitive grant on “Pakistan KLEMS Database and Productivity Measurement at the Industry Level” (with Abid A. Burki and Syed Muhammad Hussain), August 2014 to July 2015.
- **Tetra Pak Pakistan**: Economics of Milk Production in Pakistan and the Role of UHT Milk Processing Industry (with Abid A. Burki), August 15, 2014 – June 30, 2015.
- **IFPRI/Pakistan Strategy Support Program/Planning Commission, Islamabad**: Pakistan KLEMS Database and Productivity Measurement at the Industry Level (with Abid A. Burki and Syed Muhammad Hussain), August 2014 to January 2016.
- **Federal Board of Revenue (FBR), Islamabad & Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH**: Tax Compliance and Measures to Counter Tax Evasion in Pakistan: Sector Analysis for Cement, Sugar, Beverages, and Paper and Paper Board (with Abid A. Burki and Syed Muhammad Hussain), July 14, 2014 – November 13, 2014.
- **London School of Economics, International Growth Centre, London**: Study on “*Agglomeration Economies and their Effects on Productivity and Efficiency of Manufacturing Firms: Evidence from Pakistan*” (with Abid A. Burki), January 30 – October 30, 2011.
- **Lahore University of Management Sciences, Faculty Initiative Fund 2011**: Research grant “Critical Issues in Pakistan's Industry.” With Kamal A. Munir, S.M. Turab Hussain, Mushtaq A. Khan, M. Usman Khan.
- **World Bank, Washington, D.C. and Ministry of Industries, Government of Pakistan**: Study on “Industrial policy, its spatial aspects and cluster development in Pakistan.” (with Kamal Munir, Abid A. Burki, S.M. Turab Hussain, M. Usman Khan), April 21, 2010 to Dec. 30, 2010.
- **Nestle Pakistan, Lahore**: Research grant on the study “Structure of Dairy Production and Socioeconomic Impacts of Milk Collection by the Processing Industry: A Case Study of Pakistan’s Rural Punjab.” (with Abid A. Burki), August 2005 – October 2007.
- **World Bank, Islamabad**: study on “Pakistan-India Trade: Prospects of Wheat and Sugar Trade between Pakistan and India.” (with Abid A. Burki and S.M. Turab Hussain), January 2005– March 2006.

- **Indus Motor Company, Karachi:** study on “Re-verification of Demand for New Cars in Pakistan,” (with Abid A. Burki), February 2006 – June 2006.
- **Indus Motor Company, Karachi:** study on “Empirical Relationship between Demand for New and Used Cars in Pakistan,” (with Abid A. Burki), December 2004 – July 2005.
- **World Bank, Washington, D.C.: Team Lead,** research project on “The Wheat Industry in Pakistan: Policy Liberalization, Economic Efficiency and Poverty Impacts.” (with Abid A. Burki and Faisal Bari, 2002 – 2006).
- Research project on “Collecting Historical Annual Accounts Firm-level Data of Listed and Non-Listed Companies in Pakistan.” Researchers from LUMS: Abid A. Burki (Team Leader), Anjum Nasim, Ali Cheema and Mushtaq A. Khan. Other Researchers: Bilal Zia, MIT (Team Leader), Asim Khwaja, Harvard Univ., Atif Mian, U of Chicago. July 2004 – April 2005
- **Indus Motor Company, Karachi:** research project on “Estimating Consumer Demand for Automobiles in Pakistan.” (with Abid A. Burki), November 2003 – December 2004.
- **Tetra Pak, Pakistan:** research project on “The State of Pakistan’s Dairy: A Preliminary Assessment.” (with Abid A. Burki and Faisal Bari), May 2003 – March 2004.
- **Planning Commission, Government of Pakistan, Islamabad:** Team member Research Project on “Price and Demand Elasticities of Agricultural, Industrial and Energy Products”, 1998 – 1999 (with M.A. Chaudhary, Eatzaz Ahmad and Abid A. Burki).

RESEARCH PUBLICATIONS:

Papers in Academic Journals:

Burki, Abid A., **Mushtaq A. Khan**, Sobia Malik (2015). From Chronic Disease to Food Poverty: Evidence from Pakistan, *Pakistan Development Review*, 54(1), 17 – 33.

<http://www.pide.org.pk/pdf/PDR/2015/Volume1/17-33.pdf>

Hanjoon M. Jung, Abid A. Burki, **Mushtaq A. Khan** (2012). Supply of Dairy Products in Developing Countries. *Economics Bulletin*, 32(4), 3213-3223.

<http://www.accessecon.com/Pubs/EB/2012/Volume32/EB-12-V32-I4-P308.pdf>

Burki, Abid A., **Mushtaq A. Khan** (2011). Formal Participation in a Milk Supply Chain and Technical Inefficiency of Smallholder Dairy Farms in Pakistan. *Pakistan Development*

Review, 50(1), 63–81.

<https://www.researchgate.net/publication/254441709> Formal Participation in a Milk Supply Chain and Technical Inefficiency of Smallholder Dairy Farms in Pakistan

Burki, Abid A., **Mushtaq A. Khan** and Faisal Bari (2004). The State of Pakistan's Dairy Sector: An Assessment. *Pakistan Development Review*. **43**(2), 149–174.

<http://www.pide.org.pk/pdf/PDR/2004/Abid%20A.%20Burki.pdf>

Chaudhary, M.A., E. Ahmad, Abid A. Burki and **Mushtaq A. Khan** (1999). Industrial Sector Input Demand Responsiveness and Policy Interventions. *Pakistan Development Review*. **38**(4), 1083–1099.

<https://www.researchgate.net/publication/24046141> Industrial Sector Input Demand Responsiveness and Policy Interventions

Chaudhary, M.A., **Mushtaq A. Khan**, and Kaukab H. Naqvi (1998). Estimates of Farm Output and Input Demand Elasticities: Translog Profit Function Approach. *Pakistan Development Review*. **37** (4) Part II: 1031-1050.

Burki, Abid A., Mushtaq A. Khan, and Bernt Bratsberg (1997). Parametric Tests of Allocative Efficiency in the Manufacturing Sectors of India and Pakistan. *Applied Economics*. **29**(1), 11– 22. Routledge, Taylor & Francis Group.

<http://www.tandfonline.com/doi/abs/10.1080/000368497327353>

Chapters in Books

Khan, Mushtaq A., and ShahBano Ijaz (2017). Agriculture and Rural Development. In Punjab Economic Report 2017. Lahore: Punjab Economic Research Institute, Lahore. 107–150.

Burki, Abid A., **Mushtaq A. Khan** (2009). Impact of Higher Wheat Prices on Poverty in Pakistan: Futuristic of Food Security. In M. Irfan and H.M. Yasin (eds.) *Socio-economic Challenges Faced by Pakistan*, Islamabad: International Institute of Islamic Economics, International Islamic University. 165–184.

Burki, Abid A., **Mushtaq A. Khan** and S.M. Turab Hussain (2007). Pakistan and India: Possibilities and Implications for Trade in Agriculture Sectors with Focus on Wheat and Sugar. In Zareen F. Naqvi and Philp Schuler (eds.) *The Challenges and Potential of Pakistan-India Trade*. Washington, D.C.: The World Bank, 101–118.

Burki, Abid A., and **Mushtaq A. Khan** (1993). Returns to Human Capital in the Informal Sector: Some Evidence. In Sabur Ghayur (ed.) *The Informal Sector of Pakistan: Problems and Policies*. Islamabad: Friedrich Ebert Stiftung. 105-117.

Research Reports:

Burki, Abid A., **Mushtaq A. Khan** (2019). Economic Impact of Pakistan's Dairy Sector: Lessons for Building Sustainable Value, Lahore University of Management Sciences, Lahore, October, 208 pages.

Burki, Abid A., **Mushtaq A. Khan** (2016). Pakistan's Dairy Sector: Lessons from the Past to Build a Resilient Dairy Industry, Lahore University of Management Sciences, Lahore. June. 115 pages.

Burki, Abid A., Syed Muhammad Hussain, **Mushtaq A. Khan** (2016). "Pakistan KLEMS Database and Productivity Measurement at the Industry Level, Pakistan Strategy Support Funds, Islamabad & International Growth Center, London, February.

Khan, Mushtaq A. Hadia Majid, Amina Riaz, Masood Sarwar (2015). *Cluster Based Industrialization and its Effect on Firm Productivity in Pakistan*. International Food Policy Research Institute, Islamabad.

Burki, Abid A., Syed Muhammad Hussain, **Mushtaq A. Khan** (2014). Tax Compliance and Measures to Counter Tax Evasion in Pakistan: Sector Analysis for Sugar, Cement, Paper & Paper Board, and Beverage Industries. Sector reports prepared for Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and Federal Board of Revenue (FBR).

Burki, Abid A., **Mushtaq A. Khan** and Sobia Malik (2012). From Chronic Disease to Food Poverty: Empirical Evidence from the Panel Data of Pakistan. Development Policy Research Centre, Lahore University of Management Sciences, Lahore.

Burki, Abid A., **Mushtaq A. Khan** (2011). Agglomeration Economies and their Effects on Productivity and Efficiency of Manufacturing Firms: Evidence from Pakistan, International Growth Centre, London School of Economics, London.

Burki, Abid A., Kamal Munir, **Mushtaq A. Khan**, Usman Khan, Adeel Faheem, Ayesha Khalid, S. Turab Hussain (2011). *Industrial Policy, its Spatial Aspects and Cluster Development in Pakistan, Vol.1 & Vol. II*, A Report commissioned by the World Bank and the Ministry of Industries and Production, Government of Pakistan, Islamabad. 384 pages.

Burki, Abid A., **Mushtaq A. Khan** (2007). The Impact of Nestlé's Milk District Model on Efficiency and Welfare of Smallholder Dairy Producers in Pakistan. Report submitted to Nestle Pakistan, 81 pages. Lahore University of Management Sciences, Lahore (mimeo.).

Khan, Mushtaq A., Abid A. Burki, and Faisal Bari (2006). *The Wheat Industry in Pakistan: Policy Liberalization, Economic Efficiency and Poverty Impacts*. Report submitted to World Bank, Washington, D.C. March.

Burki, Abid A., **Mushtaq A. Khan** (2006). *Forecasting Demand for New Cars in Pakistan*. Lahore: Lahore University of Management Sciences, 44 pages.

Burki, Abid A., **Mushtaq A. Khan**, and S.M. Turab Hussain (2005). *Pakistan-India Trade: Prospects of Wheat and Sugar Trade between Pakistan and India*. Research Report for the World Bank, Islamabad Office, 84 pages.

Burki, Abid A., and **Mushtaq A. Khan** (2005). *Empirical Relationship between the Demand for New and Used Cars in Pakistan*. Lahore: Lahore University of Management Sciences, 67pages.

Burki, Abid A., and **Mushtaq A. Khan** (2005). *Price and Demand Analysis of New Automobiles in Pakistan*. Lahore: Lahore University of Management Sciences, January, 123 pages.

Burki, Abid A., **Mushtaq A. Khan**, and Faisal Bari (2004). *The State of Pakistan's Dairy: A Preliminary Assessment*. A research report on the dairy sector of Pakistan prepared with funding from Tetra Pak Pakistan, March, 67 pages.

Chaudhary, M.A., E. Ahmad, Abid A. Burki, and **Mushtaq A. Khan** (1999). *Income and Price Elasticities of Agricultural, Industrial and Energy Products by Sector and Income Groups for Pakistan*. A research report prepared for Pakistan's Planning Commission. Islamabad. March. 156 pages.

Khan, Mushtaq A. (1998). *Foreign Direct Investment in Pakistan: A Critical Review*. (A report commissioned by Action Aid, Islamabad)

Working Papers:

Khan, Mushtaq A., (with Hamza Sohail and Dr. Osama Khan) (2023). *Supply Response of Major Crops of Punjab, Pakistan: Translog Profit Function Approach*. (Submitting for publication in Pakistan Development Review) Working Paper.

Khan, Mushtaq A., (with Eiva Arshad) (2023). *Impact of Male Migration on Female Labor Supply in Pakistan*. (Submitting for the conference organized (annually) by Pakistan Society of Development Economics (PSDE), Islamabad, Pakistan) Working Paper.

Khan, Mushtaq A., (with Suman Zafar) (2023). Disproportionate Impact of Covid-19 across Rural and Urban Pakistan. (Submitting for the conference organized (annually) by Pakistan Society of Development Economics (PSDE), Islamabad, Pakistan) Working Paper.

Burki, Abid A., **Mushtaq A. Khan** (2019). Output and Productivity Growth Performance in Pakistan at the Industry level, 1980 – 2010, Department of Economics, LUMS.

Khan, Mushtaq A., Hadia Majid and A. Riaz, (2015). Cluster-based Industrialization and Firm Productivity in Pakistan. PSSP-IFPRI Working Paper.

Burki, Abid A., **Mushtaq A. Khan** (2012). Agglomeration Economies and their Effects on Technical Inefficiency of Manufacturing Firms, LUMS Economics Working Paper No.12-01, Department of Economics, Lahore University of Management Sciences, October.

Burki, Abid A., **Mushtaq A. Khan** (2008). Milk Supply Chain and Efficiency of Smallholder Dairy Producers in Pakistan. CMER Working Paper No. 08-62. Centre for Management and Economic Research, Lahore University of Management Sciences, Lahore.

Ragan, James F. Jr., and **Mushtaq A. Khan** (2007). Dual-Career Couples in Academia: Does Wage Growth Suffer When One's Partner Works for the Same University? CEMR Working Paper No. 07-56, Centre for Management and Economic Research, Lahore University of Management Sciences, Lahore, 1 - 21.

Burki, Abid A., **Mushtaq A. Khan** and S.M. Turab Hussain (2006). Prospects of Wheat and Sugar Trade between India and Pakistan: A Simple Welfare Analysis. CEMR Working Paper No. 06-44, Centre for Management and Economic Research, Lahore University of Management Sciences, Lahore, 1 - 47.

Burki, Abid A., **Mushtaq A. Khan** and Faisal Bari (2005). The State of Pakistan's Dairy Sector: An Assessment. CEMR Working Paper No. 05-34, Centre for Management and Economic Research, Lahore University of Management Sciences, Lahore.

Conferences/Workshops/Seminars:

Burki, Abid A., S.M. Hussain, **Mushtaq A. Khan** (2020). Structural Change in Pakistan's Economy based on KLEMS Data, 1980 – 2010, Sixth World KLEMS Conference, Harvard University, Washington, DC, USA, June 01 - 03.

Burki, Abid A., **Mushtaq A. Khan** (2019). Output and Productivity Growth Performance in Pakistan at the Industry level, 1980 – 2010, paper presented in the Fifth Asian KLEMS Conference, Tsinghua China Data Center, Tsinghua University, Beijing, 14 – 15 October.

Burki, Abid A., S.M. Hussain, **Mushtaq A. Khan** (2018). Structural Change in Pakistan's Economy

based on KLEMS Data, 1980 – 2010, 12th Asia-Pacific Productivity Conference, Seoul: Korean National University, South Korea, July 4 - 6.

Burki, Abid A., **Mushtaq A. Khan** (2017). Pakistan KLEMS Database and Productivity Measurement at the Industry Level, Fourth Asia KLEMS Conference, Hitotsubashi University, Tokyo, 31st July – 1st August.

Burki, Abid A., Syed Muhammad Hussain, **Mushtaq A. Khan** (2016). Pakistan KLEMS Database and Productivity Measurement at the Industry Level, paper presented in the 2nd Hitotsubashi Summer Institute on the Economics of Services: Micro foundations, Measurement and Productivity Policy, Organized by Hitotsubashi Institute for Advanced Study, Hitotsubashi University, Tokyo, 4th to 5th August.

Burki, Abid A., **Mushtaq A. Khan** (2016). Do Agglomeration Economies Affect Productivity and Technical Inefficiency of Manufacturing Firms in Pakistan? Asia-Pacific Productivity Conference, Nankai University, Tianjin, China, 8 – 10 July.

Burki, Abid A., Syed Muhammad Hussain, **Mushtaq A. Khan** (2016). Pakistan KLEMS Database and Productivity Measurement at the Industry Level, Asia-Pacific Productivity Conference, Nankai University, Tianjin, China, 8 – 10 July.

Burki, Abid A., Syed Muhammad Hussain, **Mushtaq A. Khan** (2016). Measuring Firms' Sales Tax Evasion with the Stochastic Frontier Approach, Asia-Pacific Productivity Conference, Nankai University, Tianjin, China, 8 – 10 July.

Burki, Abid A., **Mushtaq A. Khan** (2012). Agglomeration Economies and their Effects on Technical Inefficiency of Manufacturing Firms: Evidence from Pakistan. Paper presented in the 41st Australian Conference of Economists, Victoria University, Melbourne: July 8 – July 12.

Burki, Abid A., **Mushtaq A. Khan** (2011). The Effect of Agglomeration Economies on Productivity and Efficiency of Manufacturing Firms, Paper in the XII European Workshop on Efficiency and Productivity Analysis, Verona, Italy: June 22 – 24.

Burki, Abid A., **Mushtaq A. Khan** (2010). Spatial Inequality and Geographic Concentration of Manufacturing Industries in Pakistan, paper presented in the 26th Annual General Meeting & Conference (AGM) of the Pakistan Society of Development Economists (PSDE), Islamabad: December 28 – 30.

Burki, Abid A., **Mushtaq A. Khan** (2009). Effects of Depression on Technical Efficiency of Dairy Farms in Rural Pakistan. 11th European Workshop on Efficiency and Productivity Analysis (EWEPA), Pisa, Italy: June 24–26.

Burki, Abid A., **Mushtaq A. Khan** (2008). Food Supply Chains and Smallholder Efficiency in

Developing Countries: Evidence from a Natural Experiment. 2008 5th Biennial Conference of the Hong Kong Economic Association, Chengdu, China: December 15–16.

Khan, Mushtaq A. (2008). Served as a panelist on Food security in South Asia: the way forward: South Asia Regional Conference on Managing Food Price Inflation: Dhaka, Bangladesh, November 15-16, 2008.

Burki, Abid A., **Mushtaq A. Khan** (2008). Impact of Higher Wheat Prices on Poverty in Pakistan: Futuristic of Food Security. Paper presented in the National Conference on Socio-Economic Challenges Faced by Pakistan, organized by International Islamic University, Islamabad, June 2–3, 2008.

Khan, Mushtaq A. (2008). Invited talk on theoretical background for empirical techniques in agricultural research. A series of lectures given to a select group of senior researchers at the National Agricultural Research Council. Islamabad: NARC, Chak Shehzad, May 9-10, 2008.

Burki, Abid A., **Mushtaq A. Khan** (2008). Milk Districts and Efficiency of Smallholder Dairy Producers in Pakistan. 23rd Annual General Meeting and Conference of Pakistan Society of Development Economists. Islamabad: 12 – 14th March 2008.

Khan, Mushtaq A., and Abid A. Burki (2005). Wheat Market Reforms and Marketing Margins in Pakistan. Paper presented in South Asia Regional Conference of International Association of Agricultural Economists on Globalization of Agriculture in South Asia: Has it made a Difference to Rural Livelihood? Hyderabad, India: March 23-25.

Khan, Mushtaq A. (2002). Discussant on a panel “Data Generation and Distribution” in 2002 South and South East Asia Meeting of the Econometrics Society, Lahore University of Management Sciences, Lahore: December 28 – 30.

Khan, Mushtaq A. (2002). Served as panelist on "Food Security Intervention in South Asia" and attended Conference on "Economic Reforms and Food Security - the Role of Trade and Technology." Jointly organized by ICRIER-ICAR-IFPRI. New Delhi: April 24 – 25, 2002.

Khan, Mushtaq A. (2002). Attended workshop on “The New Trade Agenda: the WTO and Pakistan” organized by the Ministry of Commerce, Government of Pakistan and The World Bank. Islamabad: February 7 – 9, 2002.

Refereeing/Editorial Work:

Member, Editorial Advisory Board, *The Lahore Journal of Economics*. A journal of Lahore School of Economics, Lahore.

Reviewed 11 submissions for 2002 South and Southeast Asia Meeting of the Econometric Society held at LUMS in December 2003.

Membership of Professional Bodies:

Worked as a member of the Working Group on Agriculture, Livestock & Dairy Development and Irrigation, **Planning & Evaluation Cell Agriculture Department, Government of the Punjab.**

Worked as a member of the Working Group on Institutions for Development of the Panel of Economists, set up to produce the Medium-Term Plan for Pakistan.

Worked as a member of "Policy Analysis and Advisory Network for South Asia (PAANSA)". PAANSA is part of South Asia Initiative of International Food Policy Research Institute (IFPRI) for developing consensus through policy dialogue among researchers, policy advisors, and policymakers to move the policy reform agenda towards agriculture development and poverty reduction.