

Curriculum Vitae

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2 Personal

Date of Birth: March 5, 1970
Place of Birth: Jhelum (Punjab, Pakistan)
Citizenship: Canada and Pakistan

3 Education

- **PhD (Economics)**, 2007, University of Toronto, Toronto, Canada
- **Master of Social Science (Economics)**, 2001, National University of Singapore, Singapore
- **Diploma in Banking (professional)**, 1993, Institute of Bankers in Pakistan, Karachi, Pakistan
- **MA (Economics)**, 1991, University of the Punjab, Lahore, Pakistan
- **BA (Economics)**, 1987, University of the Punjab, Lahore, Pakistan

4 Employment

- **Since Jul 2021: Senior Instructor (with tenure)**, Department of Economics, University of Calgary, Calgary, Canada
- **Jul 2016 - Jun 2021: Instructor (tenure track)**, Department of Economics, University of Calgary, Calgary, Canada
- **Jul 2007 - Jun 2016: Assistant Professor**, Department of Economics, National University of Singapore
- **Apr 1993 - Jun 1999: Lecturer in Economics**, Department of Economics, University of the Punjab, Lahore, Pakistan
- **Jan 1992 - Apr 1993: Officer Grade II**, The Bank of Punjab, Lahore, Pakistan
- **Apr 1991 - Dec 1991: Officer Grade III**, The Bank of Punjab, Lahore, Pakistan

5 Research

5.1 Research Interests(*JEL* codes in parentheses)

5.1.1 Current:

- *Macroeconomics and Monetary Economics (E)*

5.1.2 Past:

- *Financial Economics (G)*
- *Labor and Demographic Economics (J)*
- *Industrial Organization (L)*
- *Economic Development, Technological Change and Growth (O)*

5.2 Research Grants and Awards

- Insight Development Grant, Social Sciences and Humanities Research Council (Canada), June 2019–May 2022, \$43,708, Title: Universal Basic Income and the Macro Economy
- Excellence in Research 2015 (top 20% researchers in the Faculty of Arts and Social Sciences, National University of Singapore)
- Excellence in Research 2014 (top 20% researchers in the Faculty of Arts and Social Sciences, National University of Singapore)

5.3 Journal Articles (Peer-Reviewed)

- “The Relationship between Market Structure and Innovation in Industry Equilibrium: A Case Study of the Global Automobile Industry.” 2016. *Review of Economics and Statistics*, 98:1, pp. 192-208. [with Johannes van Biesebroeck]
- “Rapid Growth of Massive Open Online Courses (MOOCs) and the Market for University Graduates.” 2015. *Asian Journal of the Scholarship of Teaching and Learning*, 5:1, pp. 23-39.
- “Competition and Innovation: The Inverted-U Relationship Revisited.” 2013. *Review of Economics and Statistics*, 95:5, pp. 1653-1668.
- “The Determinants of Low Fertility in Singapore: Evidence from a Household Survey.” 2013. *Singapore Economic Review*, 58:4, pp. 1-26. [with Mok Wen Jie]
- “Intangible Capital and International Income Differences.” 2013. *Macroeconomic Dynamics*, 17:3, pp. 621-645.
- “Global and Regional Sources of Risk in Equity Markets: Evidence from Factor Models with Time-Varying Skewness” 2007. *Journal of International Money and Finance*, 26:3, pp. 430-453. [with Anthony S. Tay]
- “Foreign Labor and Economic Growth: Policy Options for Singapore” 2007. *Singapore Economic Review*, 52:1, pp. 53-72. [with Weng-Tat Hui]

5.4 Handbook Chapter

- “Mean, Volatility and Skewness Spillovers in Equity Markets.” 2012. In Luc Bauwens, Christian Hafner and Sebastien Laurent (Eds.), *Handbook of Volatility Models and Their Applications*, John Wiley & Sons. [with Anthony S. Tay]

5.5 Working Papers and Work in Progress

- “International Spillovers of Conventional versus New Monetary Policy.” 2021. [Working Paper, joint with Dennis Nsafoah]
- “Minimum Wage, Selection and Welfare: A General Equilibrium Analysis.” 2018. [Working Paper]
- “Universal Basic Income and the Macro Economy.” [Work in Progress]

5.6 Popular Press

- “In Defence of Academic Research.” The Straits Times (Singapore), May 5, 2015.

5.7 Unpublished Research

- “Dynamic Spillovers from the Rival: Evidence from Entry and Expansion of KFC and McDonald’s in Chinese Cities.” 2016. [with Ping Xiao]
- “Report on Singapore Fertility Survey 2010.” 2011. Available at SSRN: <http://ssrn.com/abstract=1834003>
- “Market Structure and Innovation: A Dynamic Analysis of the Global Automobile Industry.” 2010. National Bureau of Economic Research (NBER) Working Paper 15959. [with Johannes van Biesebroeck] Available at: <http://www.nber.org/papers/w15959>
- “A Note on the Transitional Behavior of the Saving Rate in the Neo-Classical Growth Model (the Cobb-Douglas Case).” 2009. Available at SSRN: <http://ssrn.com/abstract=1365654>
- “Population and Labour Force Projections for Singapore (1999-2049).” 2002. [with Hui Weng Tat] Available at: <http://212.95.240.146/Bangkok2002/S11Hashmi.pdf>
- “Interlinkages among South East Asian Stock Markets: A Comparison between Pre- and Post-1997-Crisis Periods.” 2001. [with Liu Xingyun] Available at: http://www.economia.uniroma2.it/ceis/conferenze_convegna/banking2001/papers/mercoledi/Hashmi-Liu-merc.pdf

5.8 Presentations (Seminars/ Workshops/ Conferences/ Discussions/ Lectures)

- 17 October 2019: Research Lunch, Department of Economics, The University of Calgary, Calgary, Alberta, Canada
- 10 February 2016: Department of Economics, The University of Calgary, Calgary, Alberta, Canada
- 28 May 2014: Industrial Organization Reading Group, Department of Economics, National University of Singapore

- 14 March 2014: Graduate School of Business, Sung Kyun Kwan (SKK) University, Seoul, South Korea
- 13 March 2014: Department of Economics, Korea University, Seoul, South Korea
- 6 March 2014: Department of Economics, University of Waterloo, Waterloo, Ontario, Canada
- 2-4 August 2013: Asian Meeting of the Econometric Society (AMES), Singapore
- 9 May 2013: Industrial Organization Reading Group, Department of Economics, National University of Singapore
- 6 February 2013: Department of Economics, Wilfrid Laurier University, Waterloo, Ontario, Canada
- 20-21 September 2012: Industrial Organization Workshop, Nanyang Technological University, Singapore
- 2-3 August 2012: Singapore Conference on Evidence-Based Public Policy Using Administrative Data, Civil Service College, Singapore. Discussion of the paper entitled “WTO Accession and Firm-level Productivity in Chinese Manufacturing” by Loren Brandt, Johannes Van Biesebroeck, Luhang Wang and Yifan Zhang
- 22-24 June 2012: Society of Economic Dynamics (SED), Limassol, Cyprus
- 25 January 2012: Industrial Organization Reading Group, Department of Economics, National University of Singapore
- 1-3 September 2011: European Association for Research in Industrial Economics (EARIE), Stockholm, Sweden
- 8 February 2011: Industrial Organization Reading Group, Department of Economics, National University of Singapore
- 1-3 December 2010: Federation of ASEAN Economic Associations (FAEA), Bali, Indonesia
- 17-21 August 2010: Econometric Society World Congress (ESWC), Shanghai, China
- 16-17 August 2010: Summer Workshop in Industrial Organization and Management Strategy (IOMS), Shanghai, China
- 13-15 August 2010: Society for the Advancement of Economic Theory (SAET), Singapore
- 23-27 August 2009: European Economic Association (EEA), Barcelona, Spain
- 29-31 May 2009: Canadian Economic Association (CEA), Toronto, Canada
- 29-31 May 2009: Canadian Economic Association (CEA), Toronto, Canada. Discussion of the paper entitled “Relative Preference for Quality and Strategic Behavior” by Debapriya Sen and Constantine Angyridis
- 27-31 August 2008: European Economic Association (EEA), Milan, Italy
- 18-19 July 2008: Summer Workshop in Industrial Organization and Management Strategy (IOMS), Singapore
- 6-8 June 2008: Canadian Economic Association (CEA), Vancouver, Canada
- 28-30 March 2008: Southern Workshop in Macroeconomics (SWIM), Auckland, New Zealand
- 4-6 January 2008: American Economic Association (AEA), New Orleans, LA, USA

- 12-14 December 2007: All China Economic (ACE) International Conference, Hong Kong
- 23 August 2007: Department of Economics, National University of Singapore
- 28-30 June 2007: Society of Economic Dynamics (SED), Prague, Czech Republic
- 12 May 2007: Poster presentation, Economics' May Conference on Growth and Human Capital, Guelph, Canada
- 24-28 August 2006: European Economic Association (EEA), Vienna, Austria
- 25-28 May 2006: Canadian Economic Association (CEA), Montreal, Canada
- 24-27 August 2005: European Economic Association (EEA), Amsterdam, The Netherlands
- 27-29 May 2005: Canadian Economic Association (CEA), Hamilton, Canada
- 11 November 2004: University of Toronto, Graduate Seminar
- 10-13 June 2002: Southeast Asian Regional Population Conference, Bangkok, Thailand
- 5-7 December 2001: International Tor Vergata Financial Conference, Rome, Italy

5.9 Membership of Professional Societies (Present and Past)

American Economic Association; Canadian Economic Association; Econometric Society; European Economic Association; and Society of Economic Dynamics.

5.10 Ad hoc Referee

Applied Economics; Canadian Journal of Economics; China Economic Review; Econometrica; Economics Bulletin; Economic Inquiry; European Economic Review; International Economic Review; Journal of Development Economics; Journal of Industrial Economics; Macroeconomic Dynamics; Management Science; Oxford Economic Papers; Research Policy; Review of Economics and Statistics; Review of Industrial Organization; The BE Journal of Macroeconomics; The Lahore Journal of Economics; The RAND Journal of Economics; and The Singapore Economic Review.

6 Teaching

6.1 Current Teaching Interests

- Macroeconomics

6.2 Teaching Awards, Nominations and Honors

- Nominee for *the University of Calgary Teaching Excellence Award 2020 and 2021*
- *Outstanding Teacher (Established) Award 2019*, Faculty of Arts, the University of Calgary
- Nominee for *the University of Calgary Students' Union Teaching Excellence Award 2018-19*
- Placed on the *Honor Roll* of the National University of Singapore from 2016 to 2020 "in recognition of sustained excellence in teaching."

- Inducted into the National University of Singapore Teaching Academy (NUSTA) as a fellow in July 2014 for a 3-year term (2014-2017).
- Winner of the *University Annual Teaching Excellence Award* (National University of Singapore) for three consecutive academic years: 2011-12; 2012-13; and 2013-14.
- Winner of the *Faculty Excellent Teacher Award* (Faculty of Arts and Social Sciences, National University of Singapore) for four consecutive academic years: 2010-11; 2011-12; 2012-13; and 2013-14.

6.3 Courses Taught

6.3.1 University of Calgary [since 2016]

- ECON203: Principles of Macroeconomics (Undergraduate)
- ECON303: Intermediate Economic Theory: Macroeconomics I (Undergraduate)
- ECON339: Canadian Economic Development (Undergraduate)
- ECON349: The Economics of Social Problems (Undergraduate)
- ECON359: Intermediate Economic Theory: Macroeconomics II (Undergraduate)
- ECON389: Introduction to Mathematical Economics II (Undergraduate)
- ECON395: Use of Statistics in Economics (Undergraduate)
- ECON487: Environmental Economics (Undergraduate)
- ECON559: Topics in Economic Theory II (Undergraduate Honors)
- ECON599: Selected Topics in Economics III, Applied Macroeconomics (Undergraduate)

6.3.2 National University of Singapore [2007–2016]

- ECA5102: Macroeconomics (MA)
- EC3102: Macroeconomic Analysis II (Undergraduate Honors)
- EC4103: Singapore Economy: Practice and Policy (Undergraduate Honors)
- EC4302: Macroeconomic Analysis III (Undergraduate Honors)
- EC4307: Issues in Macroeconomics (Undergraduate Honors)
- EC5372/EC6372: Growth Theory (MA/PhD)

6.3.3 University of Toronto [2002–2007] as teaching assistant

- Macro Theory II (PhD)
- Economic Theory: Macro (MA)
- Advanced Economic Theory: Macro (Undergraduate)
- International Economics (Undergraduate)
- Macro Theory (Undergraduate)
- Macro Theory and Policy (Undergraduate)
- Monetary Economics (Undergraduate)

6.3.4 National University of Singapore [1999–2002] as teaching assistant

- Macroeconomic Analysis I & II (Undergraduate)
- Microeconomic Analysis I (Undergraduate)
- Introduction to Economic Analysis (Undergraduate)

6.3.5 University of the Punjab, Lahore, Pakistan [1993–1999]

- Economic Analysis: Monetary and International Economics (MA)
- Development Economics (MA)
- Basic Statistics (MA)
- Investment Analysis (MA Business Economics)
- Financial Management (MA Business Economics)

6.3.6 Various private business schools and accounting colleges in Lahore, Pakistan [1993–1999]

- Principles of Economics
- Mathematics for Business
- Statistics for Business

6.4 Supervision

6.4.1 University of Calgary (since 2016)

- Supervisor: Hyunmin (Eric) Jung, PhD, since 2020
- Thesis-committee member: Zahra Espanani, PhD, since 2020
- Thesis-committee member: Dennis Nsafoah, PhD, 2019-2021

6.4.2 National University of Singapore (2007–2016)

- Internal Thesis Examiner (Mimika Saha, PhD, 2015–16)
- Supervisor, Honors Thesis (Lu Si Hong, 2015–16)
- Thesis Committee Member (Wang Yi, PhD, 2014–16)
- Supervisor, Honors Thesis (Thiam Jia Min, 2014–15)
- Supervisor, Honors Thesis (Kurt Lyndon Dee Tanyu, 2014–15)
- Supervisor, Honors Thesis (Fang Jingrui, 2013–14)
- Supervisor, Honors Thesis (M. Afdhal-uddin Bin Ab. Rahman, 2013–14)
- Supervisor, Honors Thesis (Ngo Hoang Ha Linh, 2013–14)
- Supervisor, Honors Thesis (Low Pei Yu, 2012–13)
- Supervisor, Honors Thesis (Kong Jinghao Calson, 2012–13)
- Supervisor, Honors Thesis (Fung Chun Ping, 2011–12)
- Internal Thesis Examiner (Wang Yue, MA by Research, 2010–11)
- Supervisor, Honors Thesis (Mok Wen Jie, 2010–11)
- Internal Thesis Examiner (Yew Siew Ling, PhD, 2009–10)
- Supervisor, Independent Study Module (Charlene Yeo Su Ping, 2009–10)
- Supervisor, Honors Thesis (Shehryar Khan, 2008–09)

7 Service

7.1 University of Calgary [since 2016]

- Member, Research and Scholarship Committee, Faculty of Arts (2021-23)
- Member, Executive Committee, Faculty of Arts (Jan-Jun 2021)
- Member, Research Activities Committee, Department of Economics (2020–2021)
- Member, Undergraduate Studies Committee, Department of Economics (2016–2017; 2018–2021)
- Member, Head’s Advisory Committee, Department of Economics (2020–2021)
- Macro Coordinator, Department of Economics (2016–2019; 2020–2021)
- Member, Ad Hoc Merit Advisory Committee, Department of Economics (2019–2020)
- Member, Ad Hoc Committee to look at the feasibility of online classes in Fall 2020, Department of Economics (2020)
- Member, Research Ethics Committee, Faculty of Arts (2016–2019)

7.2 National University of Singapore [from 2007 to 2016]

- Facilitator, Professional Development and Teaching Assistant Training Programs conducted by the Center for Development of Teaching and Learning (2013–16)
- Member, Horizon Scan Sub-Committee of the National University of Singapore Teaching Academy (2015–16)
- Area Coordinator: Macroeconomics, Department of Economics, National University of Singapore (2015–16)
- Member, Master of Applied Economics Program Committee, Department of Economics, National University of Singapore (2013–14, 2014–15 and 2015–16)
- Member, Curriculum Committee, Department of Economics, National University of Singapore (2012–13, 2014–15 and 2015–16)
- Member, Teaching Evaluation Committee, Department of Economics, National University of Singapore (2012–13, 2013–14, 2014–15 and 2015–16)
- Member, Sub-Committee on Student Advice, Department of Economics, National University of Singapore (2010–11 and 2011–12)

8 Other Awards and Honors

- Fellow, Institute on Computational Economics 2006 (University of Chicago)
- University of Toronto Fellowship (2002-06)
- SINCPEC Book Prize (2000-01) for First Position in M. Soc. Sc. (Economics) by coursework at National University of Singapore
- State Bank of Pakistan Gold Medal (1993) for First Position in Banking Diploma Examination, Part-II
- Pakistan Banking Council Silver Medal (1992) for Second Position in Banking Diploma Examination, Part-I
- Anayatullah Watson Silver Medal (1991) for First-Class-First position in MA Economics at University of the Punjab