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Academic Appointments:

Associate Professor, Indian Institute of Management, Sirmaur, India	2022-Present
Associate Professor, Vijay Patil School of Management, Mumbai, India	2021-2022
Assistant Professor, Economics, Xavier University, Bhubaneswar, Odisha, India	2018- 2021
Associate Professor, Economics, Indian Institute of Management, Trichy, India	2017- 2018
Assistant Professor, Economics, IIM Tiruchirapalli, India	2013-2017
Research Fellow, NUS Institute of Real Estate Studies, NUS	2011-2013
Research Fellow, NUS Global Asia Institute, NUS, Singapore	2010-2011
Lecturer, NUS Business School, NUS, Singapore	2007-2010
SMF Postdoctoral Fellow, Department of Economics, NUS	2005-2007
Research Fellow, Lee Kuan Yew School of Public Policy, NUS	2004-2005

Other Positions:

Fellow, World Business Institute, 31 Blake Street, Berwick 3806, Victoria, Australia

Education:

Ph.D., National University of Singapore, Singapore
M.Phil. (Economics), Jawaharlal Nehru University, New Delhi, India
MA (Economics), Utkal University, Odisha, India
B.A (Hons.), Economics, Utkal University, Odisha, India

Research Interest:

Real Estate housing, FDI-Innovation, Applied micro-econometrics/Panel data Analysis, Health and Labor economics, Productivity growth & efficiency, and Applied Industrial Organization, Global value chain and servicification.

Teaching interest:

Ph. D: Econometric Modelling and Applications, Advanced Microeconomics, Industrial Organization
MBA and Executive MBA: Principles of Economics/Managerial Economics, Industrial Organization a
Undergraduate: Principles of Economics, International Economics and Econometrics, Quantitative Methods.

Books/chapters:

1. "Healthcare expenditure and income in emerging economies: The case for inclusive growth" (*with Alka Chadha*), in Ashok Banerjee (Ed), *Emerging Issues in Management: Proceedings of Pan-IIM World Management Conference 2013*, Emerald India: New Delhi, 2014, pp. 117-125.

2. “Impact of South Asia on Global Institutions: Economic and Social Perspectives”, (*with Shandre M. Thangavelu*) *Routledge Handbook of South Asian Economics* (the book) edited by *Raghavendra Jha* published by Routledge, an imprint of Taylor and Francis Books Ltd., 2011.
3. “Role of International Monetary Fund, World Bank and Asian Development Bank in Tackling Financial Crises in Asia”, (*with Alka Chadha*), *Tale of Two Crises: A Multidisciplinary Analysis* (the book) edited by *K.E. Seetharam* and published by Routledge, New York, NY, 2012.

Publications:

1. “Servicification and Manufacturing Exports: Evidence from India”, (*with Alka Chadha*), *Economic Modelling*, 108, March 2022. (ABDC Journal ranking: A)
2. “India in Global Services Value Chain: A case of IT/BPM” (*with Alka Chadha*), *Journal of Southeast Asian Economies*, August 2019, vol. 36, no. 2, pp. 204-23.
3. “Is health care a luxury? The debate revisited with new evidence from emerging economies” (*with Alka Chadha*), *Applied Economics*, 2016, vol. 48, issue 34, pp. 3195-3207. (ABDC Journal Ranking: A)
4. “Is learning by Exporting Important? Evidence from Indian Manufacturing Firms,” (*with Shandre M. Thangavelu*), *The World Economy*, January 2014, vol. 37, Issue 7, pp. 1016-1026. (ABDC Journal Ranking: A)
5. “Technical Efficiency of Indian Pharmaceutical Firms: A Stochastic Frontier Function Approach” (*with Alka Chadha*), *Productivity: A Quarterly Journal of the National Productivity Council*, 2013, April-June, 54 (1), 54-62.
6. “Backward Linkages and Technology Spillovers in the Presence of Foreign Firms: Evidence from the Indian Pharmaceutical Industry” (*With Shandre M. Thangavelu*), *Journal of Economic Studies*, Volume 38(3), 2011. (ABS Journal Ranking: 2)
7. “Economic Liberalization and Productivity for selected Indian manufacturing industries: A panel co-integration approach” (*with Shandre M. Thangavelu*), *Applied Economics*, Volume 42(1-3), 2010. (ABDC Journal Ranking: A)
8. “Factor Accumulation and Long-Run Output: A Panel Co-integration Study of the Indian Manufacturing Industries” (*With Shandre M. Thangavelu*) *Keio Economics Studies*, Volume XLV, 2008.
9. “Investigation of a Lead-lag Relationship between Spot and Futures Indices of the Hang Seng Stock Average” (*with R. Gulasekaran*), *International Journal of Business Studies*, Volume 15(1), June 2007.

10. “Economic Reforms and Productivity growth in Indian Manufacturing Industries: An interaction of technical change and scale economies” (*with Shandre M. Thangavelu*), *Economic Modelling*, 22, 601-615, 2005. (ABDC Journal Ranking: A)
11. “The Challenges before the Singapore Economy” (*with Rahul Sen*), *The Fletcher Forum of World Affairs*, 24, 2, Fall 2000, pp. 17-31.

Working Papers:

1. “Testing for Bubbles in Indian Housing Market: An ARDL Bounds Testing Approach” (*with Deng Yongheng*.)
2. “Survival, Exports and Productivity of Indian textile firms: Evidence from firm level panel data” (*with Zhiliang Ying, Columbia University, NY*.)
3. Moving up the Value Chain and Staying Competitive in the Global Economy: Study of the Indian IT/ITES Firms.

Grants:

Services, Servicification, Structural Transformation and the Pandemic Recovery in India (*with Alka Chadha*), sponsored by *ERIA (Economic Research Institute for ASEAN and South East Asia, Jakarta, Indonesia)*, 2022-23. (Grant amount USD 8,000)

Global Services Value-Chain in India: **Medical and Health Services and Business Process Outsourcing (BPO) Services**, sponsored by *ERIA (Economic Research Institute for ASEAN and South East Asia, Jakarta, Indonesia)*, 2017-19, (Grant amount USD 8,000)

GVC, Cities and Urban Amenities: Implications for Services Trade Liberalization in East Asia and ASEAN (*with Alka Chadha*), sponsored by, *ERIA (Economic Research Institute for ASEAN and South East Asia, Jakarta, Indonesia)*, 2016-18. (Grant amount USD 8,000)

Global Services Value-Chain in India: **Medical and Health Services and Business Process Outsourcing (BPO) Services** (*with Alka Chadha*), sponsored by *ERIA (Economic Research Institute for ASEAN and South East Asia, Jakarta, Indonesia)*, phase I, 2015-17. (Grant amount USD 8,000)

Moving up the value chain and staying competitive in the global economy: Study of the Indian IT/ITES sector (*with Alka Chadha*), *sponsored by IIM Trichy*. (Grant amount USD 2,000)

Article in News Paper: Big FDI Push for Technology and Growth” Deccan Herald, July 3, 2016.

Select Conference Papers:

1. “Servicification and GVCs: Evidence from Hi-tech Indian Manufacturing Firms” paper presented at EAEA convention held at Kuala Lumpur, from 27-28 August, 2022.

2. “Moving up the Value Chain and Staying Competitive in the Global Economy: Study of the Indian IT/ITES Firms” paper presented at 11th ISDSI International Conference organized by IIM Trichy, from 27-30 December, 2018.
3. “Is health care really a luxury? The debate revisited with new evidence from emerging economies” (*with Alka Chadha*) paper presented at the Finance and Economic conference organized by Lupcon Center for Business Research held in Frankfurt am Main, Germany from 5-7 August 2015.
4. “Is health care really a luxury? The debate revisited with new evidence from emerging economies” (*with Alka Chadha*) paper presented at the 10th Annual International Conference on Public Policy and Management held in IIMB from 3-5 August 2015.
5. “Is health care really a luxury? The debate revisited with new evidence from emerging economies” (*with Alka Chadha*) paper presented at 9th International Business and Social Science Research Conference, held in Dubai from 6-8 January, 2014. Awarded the Best Paper Award instituted by the World Business Institute’s journal *International Review of Business Research Papers*.
6. “Healthcare expenditure and income in emerging economies: The case for inclusive growth” (*with Alka Chadha*) paper presented at Pan-IIM World Management Conference, held in Goa, India from May 30-June 1, 2013.
7. “Testing for Bubbles in the Indian Housing Market: An ARDL Bounds Testing Approach” (*with Deng Yongheng*) paper presented at 2012 ASRES and AREUEA joint International Conference, Singapore, July 7-10, 2012.
8. “Technical Efficiency of Indian Pharmaceutical Firms: A Stochastic Frontier Function Approach”, (*with Alka Chadha*), paper presented at 15th International Conference on Panel data held at University of Bonn, Hausdorff Center of Mathematics, IZA, Bonn, July 3-5, 2009.
9. “Is learning by Exporting Important? Evidence from Indian Manufacturing Firms” (*with Shandre M. Thangavelu*), paper presented at 13th, International Conference on Panel data held at University of Cambridge, Cambridge, UK, July 7-9, 2006.
10. “Backward Linkages and Technology Spillovers in the Presence of Foreign Firms: Evidence from the Indian Pharmaceutical Industry” (*with Shandre M. Thangavelu*), paper presented at the International Industrial Organization Conference held at Boston, USA, April 7-9, 2006.
11. “Linkages, Spillovers and Foreign ownership: Evidence from Indian Pharmaceutical Industry” (*with Shandre M. Thangavelu*), paper selected for presentation for 32nd EARIE conference held at Porto, September 1-4, 2005.
12. “Foreign Ownership and Productivity Spillovers through Backward Linkage: Evidence from the Indian Pharmaceutical Industry” (*with Shandre M. Thangavelu*), paper presented at the 15th EC² conference on Industrial Organization and Econometrics held at Marsellie, France, December 16-18, 2004.

13. “Estimation of production function for selected Indian manufacturing industries: A panel cointegration approach” (*with Shandre M. Thangavelu*), paper presented at the 11th International Conference on Panel Data held at University of Texas A&M, Texas, USA from June 4-6, 2004.

14. “Estimation of long-run production function for Indian manufacturing industries: A panel co-integration approach” paper presented at the ESAM03 Conference held from July 9-11 2003 at Sydney, Australia.

Professional Services: Invited Seminar, Conferences and Presentations:

Invited to deliver a lecture on the work of Nobel Prize 2013 winners in Economics for the program on Nobel Day 2013 9th December, 2013 at CSIR-CECRI, Karaikudi, Tamil Nadu, India.

Referee (Journals): Applied Economics, Economic Modelling, World Economy, Journal of Asian Economics, International Economic Journal, Asian Case Research Journal, IEE Transactions on Engineering Management, ASEAN Economic Bulletin, Singapore Economic Review, International Journal of Production Economics, and Vikalpa: The Journal for Decision Makers, IIMB review.

Services:

- (i) Member, Fellow Programme in Management (FPM) & PGPBM Committee, Member, Placement and External Relations.
- (ii) Supervised Independent studies (CIS), PGP and FPM (Fellow Program in Management)
- (iii) Chairperson Research Committee, Xavier School of Economics, Xavier University, BBSR, India.
- (iv) Chairperson, Learning Resource Centre, IIM Sirmaur, India.
- (v) Group Co-ordinator, Economics area, IIM Sirmaur, India.

Programme Director, Post Graduate Certificate in Advertising and Brand Management (PGCBAM). The programme was launched by IIM Tiruchirapalli with NIIT Imperia on March 6 2014.

Grants/Awards

1. **Best Paper Award** instituted by the World Business Institute’s *journal International Review of Business Research Papers*, 2014.
2. **SMF (Singapore Millennium Foundation) Postdoctoral Fellowship** for the year 2005-2007.
3. **Research Scholarship** at the National University of Singapore.
4. Lee Foundation conference grants to attend the conference in USA, Australia and New Zealand, France, UK and Germany.

Executive Professional Education Attended: Measurement, Design, and Analysis Methods for Health Outcomes Research: **T. H. Chan School of Public Health, Harvard University**.