

Sourabh B. Paul

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Education

Ph.D. Economics, The University of British Columbia, November, 2011.

Thesis: Essays on Economic Development in India

Supervisor: Prof. Ashok Kotwal (chair), Prof. Amartya Lahiri, and Prof. Patrick Francois.

M.Phil. Economics, Indira Gandhi Institute of Development Research, Mumbai, India, 2004.

Thesis: Public Sector Job Reservation in India: A Search Theoretic Model

Supervisor: Prof. P. G. Babu

M.S. Quantitative Economics, Indian Statistical Institute, Kolkata, 2000.

B.Sc.(Hons) Economics, Ramakrishna Mission Vidyamandira, Belur Math, The University of Calcutta, 1998.

Employment

Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology, Delhi, April, 2022 – present

Assistant Professor, Department of Humanities and Social Sciences, Indian Institute of Technology, Delhi, November, 2012 – April, 2022

Associate Fellow, National Council of Applied Economic Research, February 2011–October, 2012.

Sessional Instructor, Simon Fraser University, Surrey, BC, Canada, 2008-2010.

Research Interest

Empirical development with special focus on labour market discrimination, food preference, nutrition, health, applied econometrics

Teaching Interest

Development Economics, Applied Econometrics, Labour Economics, Health Economics, Discriminations

Research

Papers in Journals

1. Using Satellite Images and Deep Learning to Measure Health and Living Standards in India (with Adel Daoud, Felipe Jordán, Makkunda Sharma, Fredrik Johansson, Devdatt Dubhashi, Subhashis Banerjee). *Social Indicators Research* (2023). <https://doi.org/10.1007/s11205-023-03112-x>
2. Transition in Dietary Quality: Evidence from India (with S. Paul), *British Journal of Nutrition*, September 2022, <https://doi.org/10.1017/S0007114522002847>
3. Determinants of Economic Mobility in India (with R. Ahalya), *IASSI Quarterly: Contributions to Indian Social Science*, Vol. 41, No. 1 & 2, 2022
4. The pursuit of simplicity: Can simplifying eligibility criteria improve social pension targeting? (with V. Asri, K. Michaelowa, and S. Panda), *Journal of Economic Behavior and Organization*, August 2022, <https://doi.org/10.1016/j.jebo.2022.06.003>
5. Political Trust, Democratic Satisfaction and Partisanship: Explaining Leadership Approval in Indonesia in Times of Economic Hardship during the COVID-19 Crisis (with Taberez A. Neyazi and Burhanuddin Muhtadi), *Asian Survey* 2022, <https://doi.org/10.1525/as.2022.1651118>
6. Do competition improve persistence in innovation effort? Sectoral patterns and evidence from India (with R. Kaushik), *Journal of Industry, Competition and Trade*, 2022, <https://doi.org/10.1007/s10842-022-00380-0>
7. Labour Market for Young Urban Female Graduates in India (with D. Tayal), *South Asia Research*, Vol. 42(2): 1–19, 2022, <https://doi.org/10.1177/02627280221086842>
8. Knowledge Spillovers and Productivity Growth: Role of Absorptive Capacity in the Indian Manufacturing Sector (with I. Roy), *Journal of Industry, Competition and Trade*, 2022, <https://doi.org/10.1007/s10842-022-00382-y>
9. Maternal education, health care system and child health: Evidence from India (with Sohini Paul, K. James and Ashish Gupta), *Social Science & Medicine*, Volume 296, March 2022, 114740, <https://doi.org/10.1016/j.socscimed.2022.114740>
10. Women's experience of post-natal care: A study from Uttarakhand, India (with A. Verma), *Asian Journal of Women's Studies* (2022), <https://doi.org/10.1080/12259276.2021.2023282>

11. Urban infrastructure and labour force participation in India (with R. Ahalya), *The Indian Journal of Labour Economics*, 64, 943–960 (2021).
<https://doi.org/10.1007/s41027-021-00345-7>
12. Labour Force Participation Rate of Women in Urban India: An Age Cohort Wise Analysis (with D. Tayal), *The Indian Journal of Labour Economics*, 64, 565–593 (2021).
<https://doi.org/10.1007/s41027-021-00336-8>
13. Discouraged Worker Effect and Labor Market Behavior of Urban Married Women (with Deeksha Tayal), *Asian Development Review*, Vol. 38, No. 2, pp. 93–122.
<https://doi.org/10.1142/S0116110521500098>
14. Strategic Interactions, Bargaining power and Stability of Joint Venture in an Emerging Nation (with Rituparna Kaushik), *Journal of Industry, Competition and Trade*, vol. 21(4), pages 543-564, December, 2021, <https://doi.org/10.1007/s10842-021-00368-2>
15. Caste discrimination in provision of public schooling in rural India (with N. Bailwal), *Journal of Development Studies*, 57:11, 1830-1851.
<https://doi.org/10.1080/00220388.2020.1862796>.
16. India's calorie consumption puzzle: insights from the stochastic cost frontier analysis of calorie purchases (with Hazarika, Gautam), *Empirical Economics* (2020): 1-18,
<https://doi.org/10.1007/s00181-020-01945-w>.
17. Universalisation versus targeting in maternal and child health care provisioning: evidence from India (with S. Paul and K. James), *SSM - Population Health* vol. 9 100502. 17 Oct. 2019, <https://doi.org/10.1016/j.ssmph.2019.100502>.
18. Patent implications in the pharmaceutical industry: Are static high prices leading to dynamic innovations? (with E. Pandey), *International Journal of Risk & Safety in Medicine*, 30(3), 1-14, 2019, <https://doi.org/10.3233/jrs-191008>.
19. Affordability versus Innovation: Is Compulsory Licensing the solution (with E. Pandey), *International Journal of Risk & Safety in Medicine*, 2019;30(4):233-247,
<https://doi.org/10.3233/jrs-195007>.
20. Breaking the Caste Barrier: Intergenerational Mobility in India (with Hnatkovska, V. and Lahiri, A.), *Journal of Human Resources*, Spring 2013; 48(2):435-473,
<https://doi.org/10.3368/jhr.48.2.435>.
21. Castes and Labor Mobility (with Hnatkovska, V. and Lahiri, A.), *American Economic Journal: Applied Economics*, April, 2012; 4(2): 274-307, <https://doi.org/10.1257/app.4.2.274>.

Papers in Peer-reviewed Conferences

1. Welfare Analysis of Monetary Policy in India Using Household Survey Data (with Sisir Debnath and Suranjana Kundu), *2023 Asia Meeting of the Econometric Society*, 2023

2. An investigation of traffic speed distributions for uninterrupted flow at blackspot locations in a mixed traffic environment (with Debashis Ray Sarkar, Parveen Kumar, K Ramachandra Rao, Niladri Chatterjee), *Traffic & Granular Flow*, 15 - 17 October 2022
3. Conflict and Gender Subjugation: The Impact of Religious Violence on Women's Age at Marriage (with Sisir Debnath and Asad Tariq), *17th Annual Conference on Economic Growth and Development*, 2022
4. Village Dominance and Learning Gaps in Rural India (with Neha Bailwal), *17th Annual Conference on Economic Growth and Development*, 2022
5. STEM education, Firm Complexity and structure of corporate board members in determining the innovation effort: Evidence from India (with R. Kaushik), *Canadian Economic Association Annual Conference*, 2021
6. Supplier-Induced Demand for Tertiary Healthcare: Evidence from a State Health Insurance Scheme in India (with Komal Sareen and Sisir Debnath), *Canadian Economic Association Annual Conference*, 2021
7. Political Trust, Economic Factors and Partisanship: Explaining Leadership Approval In Indonesia In The Time of Coronavirus (with Neyazi, Taberez A. and Muhtadi, Burhanuddin), accepted in *3rd Annual Conference of World Association for Public Opinion Research*, Asia Chapter, 2020
8. Knowledge Spillovers and Technological Convergence in the Indian Manufacturing Sector (with Ipsita Roy), *XIV International Conference on Public Policy and Management*, IIM Bangalore, 2019.
9. The effect of urban infrastructure development on female labour force participation among the poor and middle class in India (with R. Ahalya), *COMPASS 2020 - Proceedings of the 3rd ACM SIGCAS Conference on Computing and Sustainable Societies*, June 2020, Pages 314–316, <https://doi.org/10.1145/3378393.3402234>
10. The dynamics of aggregate productivity over business cycle: evidence from Indian organised manufacturing plants (with D. Goswami), *5th DIAL Development Conference*, Paris-Dauphine University, Paris (July 4-5, 2019) and *Fourth Conference - Productivity, financial constraints and labour decisions of SMEs*, The University of Sydney, Australia (May 16-17, 2019).
11. Job creation and job destruction in Indian manufacturing (with D. Goswami), *WIDER Development Conference*, Bangkok, Thailand (September 11-13, 2019) and *Summer School of the DFG Labor Network*, Centre for European Economic Research, Mannheim, Germany (July 23-27, 2018).
12. Does transparency improve public program targeting? Evidence from India's old-age pension reforms (with Viola Asri, Katharina Michaelowa, and Sitakanta Panda),

- CIS Working Paper No. 92*, Center for Comparative and International Studies, University of Zurich, 2017 (earlier version at Gottingen Development Economics Conference on 24 June 2016).
13. Efficient Transport Services? Growth and Environmental Implications Case Study of India (with R Chadha and A Tandon), *GTAP 16th Annual Conference on Global Economic Analysis*, Shanghai Institute of Foreign Trade, 2013
 14. Community identity and skill mismatch: A study on Indian labour market (with Mukherjee, A.), *Annual Conference on Economic Growth and Development*, New Delhi, 2012.
 15. Trade Reforms and Gender Empowerment in India (with Paul, Sohini), 2010, presented at the *Annual Conference of Canadian Economic Association*, Quebec, 2010 and accepted for the *Annual Meeting of American Economic Association*, Atlanta, 2010.
 16. Distributional Effects of Tariff Reform in India, 2010, presented at the *Annual Conference of Canadian Economic Association*, Quebec, 2010.
 17. Inequality, Violence and Social Fragmentation in Emerging India, 2009, presented at the *Annual Conference of Canadian Economic Association*, Toronto, 2009.
 18. Changing Skill Intensity in Dynamic Sectors in India, 2008, presented at the *Annual Conference of Canadian Economic Association*, Vancouver, 2008.

Other Papers (Online Archive)

Using satellites and artificial intelligence to measure health and material-living standards in India (with Adel Daoud, Felipe Jordan, Makkunda Sharma, Fredrik Johansson, Devdatt Dubhashi, and Subhashis Banerjee), SocArXiv. January 1 2022, doi: <https://doi.org/10.31235/osf.io/vf28g>

Adding Structure to Statistics: A Study on COVID-19 Dynamics in India (with Dixit, Arundhati and Vishnoi, Sarthak), medRxiv 2020.05.26.20113522; doi: <https://doi.org/10.1101/2020.05.26.20113522>

On monitoring development indicators using high resolution satellite images (with Potnuru Kishen Suraj, Ankesh Gupta, Makkunda Sharma, and Subhashis Banerjee) eprint arXiv:1712.02282. December 2017.

India's Transport Sectors: Fiscal Issues and Allocative Efficiency (2013). (with Chadha, Rajesh and Tandon, Anjali), Available at SSRN: <https://ssrn.com/abstract=2705304> <http://dx.doi.org/10.2139/ssrn.2705304>

Food Preference and Nutrition in India (August 30, 2011). Available at SSRN: <https://ssrn.com/abstract=1960295> <http://dx.doi.org/10.2139/ssrn.1960295>

Funded Research Projects

Exploring risk factors of adverse maternal and child health outcomes using machine learning and other advanced data analytical approaches, (PI), funded by Bill & Melinda Gates Foundation and Department of Biotechnology (DBT), Government of India.

Study on Socio-Economic Cost of Road Accidents in India (DIMTS Ltd & IIT Delhi), sponsored by the Ministry of Road Transport and Highways, Government of India.

The poverty-mortality linkage in India: The role of social pensions and public health care for different social groups, (PI), funded by Indo-Swiss joint Research Programme on Social Sciences.

DST Center for Policy Research, Department of Science and Technology, Government of India.

Fiscal issues and allocative efficiency in transport sectors, NCAER (co-investigator), funded by National Transport Development Policy Committee, Government of India.

Parallel imports of books and other copyrighted materials, NCAER (co-investigator), funded by Department of Higher Education, Ministry of Human Resources Development, Government of India.

Food grain stocking policy in India, NCAER (co-investigator), funded by Food and Agriculture Organization of the United Nations.

Consumption externality and human capital investment: Evidence from India (with Bishnu, M and Mukhopadhyay, A; Indian Statistical Institute, Delhi), funded by ISI Delhi

Misallocation of Skills in Indian Labour Market (with Mukherjee, A.; IIT Kanpur), funded by IIT Delhi

Mentoring

A Machine Learning Tool to suggest career paths based on multiple psychological, physiological, geographical, financial, social, and preferential factors (under Discover & Learn Scheme of IRD 3rd call), funded by Industrial Research & Development, IIT Delhi, India

I am serving in the board of an IIT Delhi start-up, AI empowered Career Growth Platform, MyWays.in (founder Samyak Jain). The idea of the company originated from a B.Tech project by Samyak Jain.

Workshop, Presentations and Invited Talks

Indian Council of Social Science Research (ICSSR)

Indian Institute of Technology Mandi

Indian Statistical Institute, Delhi

Jammu University

Jawaharlal Nehru University (JNU), CESP

Jawaharlal Nehru University (JNU), Centre for the Study of Law and Governance

Ministry of Micro, Small & Medium Enterprises, GoI, India

National Transport Development Policy Committee (Dr. Rakesh Mohan Committee)

National Council of Applied Economic Research (NCAER)

National Institute of Public Finance and Policy (NIPFP)

NITI Aayog

Population Council, New Delhi

Rajiv Gandhi University, Itanagar

Shiv Nadar University

TERI School Of Advanced Studies

Tripura University, Agartala

UGC refresher course, JNU

University of Lausanne

University of Zurich

VV Giri National Labour Institute

New Delhi

24 April 2023