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## **EDUCATION**

**Ph.D, Economics**, University of Maryland, College Park, Maryland, 1992.

## **WORK HISTORY**

- ❖ *Professor & Head*, Health Policy Research Unit, Institute of Economic Growth, 2004 - present
- ❖ *Associate Professor and Head*, Health Policy Research Unit, Institute of Economic Growth, 1998 -2004
- ❖ *Consultant*, Institute of Economic Growth, 1995-1998.
- ❖ *Consultant*, Policy Research Dept., World Bank, Washington D.C., 1991-95.
- ❖ *Research Analyst*, Bureau of Business & Economic Research, U. of Maryland, 1991.
- ❖ *Instructor*, Department of Economics, University of Maryland, 1987, 1989, 1990, 1987-88.
- ❖ *Assistant Director*, Ministry of Agriculture, Government of India, 1985-86.
- ❖ *Assistant Director*, Ministry of Finance, Government of India, 1983-85.
- ❖ *Research Associate*, National Council of Applied Economic Research, Delhi, 1982-83.
- ❖ *Lecturer*, Janki Devi College, University of Delhi, New Delhi, India, 1981-82.

## **PAPERS/ BOOKS/REPORTS**

- *Financing for a Resilient Health System in India: Lessons from the COVID Pandemic*. In Health Dimensions of COVID-19 in India and Beyond. Ed by Pachauri, S. and Pachauri, A., 2022. Springer.
- *Costing of Health and Wellness Centres: A Case Study of Gujarat (with M Trivedi et al)*. Journal of Health Management. Sage. 24(1), pp.105-117. 2022.
- *Including musculoskeletal diseases in the health policy agenda in India Evidence on burden and economic impact on Indian households (with A Roy)*. IEG Working Paper No. 432. May 2021.
- *Obesity and its Impact on COVID Occurrence: Evidence from India (with A. Dang)*. IEG Working Paper No.430. May 2021.
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- *Health, Development and HIV in India*. In Oxford Research Encyclopedia of Asian History. Oxford University Press, 2021.
- *Costing Of Health And Wellness Centres: A Case Study of Gujarat (with K Barman et al)*. IEG Working Paper No. 415. January 2021.

- *Risk and Prevention of Infectious Disease* (with Ramandeep). In: Zimmermann K.F. (eds) *Handbook of Labor, Human Resources and Population Economics*. Springer, 2020
- *Health Investment Priorities in India: A New Methodology-based Analysis of State Budgets* (with S Chowdhury and A Ranjan). *Journal of Health Management*. Sage. September 16, 2020
- *The Lancet NCDI Poverty Commission: bridging a gap in universal health coverage for the poorest billion* (with G. Bukhman, A. Mocumbi et al). *The Lancet*. Elsevier. September 2020.
- *Economics & ethics of the COVID-19 vaccine: How prepared are we?* (with R Baru). *Indian J Med Res*. 2020;10.4103/ijmr.IJMR\_3581\_20.
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- *Relying on serendipity is not enough: Building a resilient health sector in India*. *Indian Economic Review*. August 2020. Springer.
- *Fiscal Space and Expenditure Priorities post -14th Finance Commission: A Study of Five Indian States* (with S. Chowdhury). IEG Working Paper No. 400. July 2020.
- *Cost-Effectiveness of antiretroviral therapy: A systematic review* (with Damini Singh). *Indian Journal of Public Health* 2020;64, Suppl S1:32-8.
- *What will determine the costs of Prime Minister's Jan Arogya Yojana?* (with A. Roy). *Ideas for India*. September 2019. International Growth Centre.
- *Universal Health Coverage in BRICS: What India Can Learn from the BRICS Experience?* (with S. Chowdhury). In *The Political Economy of the BRICS Countries: Volume 1: BRICS: The Quest for Inclusive Growth*: Edited by Edward D Mansfield, Nita Rudra, Biju Paul Abraham, Partha Ray, Soo Yeon Kim and Santiago López-Cariboni. World Scientific. March 2020.
- *Socioeconomic Inequality in Life Expectancy in India: An Analysis of the Fourth Round of the National Family Health Survey* (with M. Asaria, S. Mazumdar, Samik Chowdhury, P. Mazumdar and A. Mukhopadhyaya) ‘, *BMJ Global Health*, Vol 4, Issue 3, 2019.
- *Designing a framework for benefit packages: Achieving Universal Health Coverage in India* (with S Prinja et al). *Economic & Political Weekly*. Vol LIV, No 30. July 27, 2019.
- *Role of insurance in determining utilization of healthcare and financial risk protection in India* (with S Prinja et al). *PLoS ONE* 14(2): e0211793. 2019.
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- *“Household Microenvironment and Its Impact on Infectious Diseases in India—Evidence from the National Sample Surveys”* (with S. Chowdhury). In V. Dayal, A. Durairappah & N. Nawn (Eds.), *Ecology, Economy and Society: Essays in Honour of Kanchan Chopra* (pp. 225-238). Singapore: Springer Publications. ISBN: 978-981-10-5674-1. 2018.
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- “Does access to basic amenities influence health status? Evidence from a household survey in three states of India” (with S. Chowdhury, S. Prinja and M. Trivedi). *Journal of Infrastructure Development*. Vol 9(1), pp 23-35. July, 2017.
- *Indian Health Care System* (with M. Bhatia). May 2017 *In International Profiles of Health Care System*. Edited by Elias Mossialos et al. The Commonwealth Fund. July 2017.
- *Do health coverage schemes ensure financial protection from hospitalization expenses? Evidence from eight districts in India*. (with S.Chowdhury, M Trivedi and S Prinja), *Journal of Social and Economic Development*, 19 (1), pp 83-93. January 2017. Springer, ISSN: 2199-6873.
- *Out-of-Pocket Spending on Out-Patient Care in India: Assessment and Options Based on Results from a District Level Survey*. (with S Chowdhury, S Prinja and M Trivedi), *PLoS One*, 11(11), November 2016, pp 1-12
- *Urban Concerns and Their Impact on Health in India* (with S. Chowdhury). Chapter In *Policy Challenges From Demographic Change in China and India*. Edited by Karen Eggleston. Stanford CA: Shorenstein Asia-Pacific Research Center, 2016.
- *Does Elderly Health Impact Poverty? Evidence from India* (with S. Mondal). Chapter In *Policy Challenges From Demographic Change in China and India*. Edited by Karen Eggleston. Stanford CA: Shorenstein Asia-Pacific Research Center, 2016.
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- *Finances for Health in India: Are New Sources the Way to Go?* (with S. Chowdhury). IEG Working Paper No. 356.
- *A Systematic Review of the State of Economic Evaluation for Health Care in India* (with S Prinja, S Chauhan, B Angell, S Jan). *Applied Health Economics and Health Policy*. 2015, Dec; 13(6):595-613.
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- *Health Status and Access to Health Services in Indian Slums* (with P. Guin). *Health*. Vol.7 No.2, February 2015, pp 245-255. (Scientific Research Publishing), SCIRP.
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- *Third Party Administrators: Theory and Practice*. (with A. Roy and M. Trivedi). Economic and Political Weekly. Vol. XXXIX, No. 28, July 10-16, 2004.
- *HIV/AIDS Treatment and Prevention of HIV/AIDS in India: Modeling the costs and consequences*. (with M. Over, P. Heywood, K. Sudhakar et al). World Bank. June 2004.
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- *Access to Antiretroviral Treatment: What role can health insurance play in India?* (with A. Roy and M. Trivedi). Population Council. May 2004.
- *Sex Workers and the Cost of Safe Sex: The Compensating Differential for Condom Use among Calcutta prostitutes* (with V. Rao, M. Loshkin and S. Jana). Journal of Development Economics. Volume 71, Issue 2, Pages 585-603 (August 2003).
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- *Health Insurance in India: Prognosis and Prospectus* (with R. Ellis and M. Alam). Economic and Political Weekly, Vol xxxv, No. 4, January 22-28, 2000.
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- *Child Labor: A Profile of Delhi Slums* (with A. Mitra). Indian Journal of Labor Economics, Vol. 40, No.4, 1997.
- *Trade in Health Services: A Case Study of India* (with B.N. Goldar and A. Mitra). Chapter in "International Trade in Health Services: A Development Perspective", UNCTAD, June 1998.
- *What Determines Schooling of Adolescents? New Evidence from India*. (with D. Sankar) IEG Discussion Paper, Series No. 66/2003.

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- *Demand for Health Care in Rural India: Choosing between Public, Private and No Care.* (with P Dasgupta). Working Paper Series No. 82. National Council of Applied Economic Research, Delhi.
- *Slum dwellers in Delhi: An Unhealthy Population* (with A. Mitra and M.K. Jha). Working Paper No. E/194/98, Institute of Economic Growth, 1998.
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- *Commercial Presence in the Hospital Sector under GATS: A Case Study of India.* (with B.N. Goldar). Report submitted to WHO/SEARO, Delhi, October 2001.
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- *Socio-economic Impact of HIV/AIDS: Developing a Set of Protocols.* Report submitted to the World Health Organisation and the National AIDS Control Organisation, Delhi, India, May 1996.
- *Inequalities in Lifetime Earnings of American Earners.* Report submitted to the Russell Sage Foundation, 1992.

### **PROFESSIONAL AFFILIATIONS**

- Member, Strategic and Technical Advisory Group (STAG), for the study titled “Advancing biomedical interventions for prevention of Respiratory Syncytial Virus (RSV) disease in under-five children: India Case study
- Member, Advisory Board, Global Health Impact
- Member, Economist Impact Steering Committee, The Economist
- Member, Technical working group on integrated Epi-Econ modelling, WHO
- Member, Expert Committee on Implementation Research on TB under the India Tuberculosis Research Consortium- (ITRC) Phase II of the Indian Council of Medical Research (ICMR)
- Member, Scientific Advisory Committee, ICMR-National Institute of Cholera & Enteric Diseases (NICED)
- Member, National Technical Advisory Group on Immunization (NTAGI)
- Member, Scientific Advisory Group, Socio-Behavioural & Health Systems Research (SBHSR) Division, Indian Council of Medical Research (ICMR)
- Member, Project Review Group, Socio-Behavioural and Health Systems Research, ICMR
- Member, Executive Committee and Governing Body, National Health Systems Resource Centre (NHSRC)
- Member, Sir Ganga Ram Hospital Institutional Committee for Stem Cell Research
- Member, Governing Board, Action Research and Training for Health (ARTH)



- Founding Member & Board Member, World Health Partners
- Member, Task Force on Statistics and Health Systems Research, Indian Council of Medical Research (ICMR)