

# *Sanjib Pohit, Curriculum Vitae*

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## **Education**

1993 Ph.D. in Economics, Indian Statistical Institute (ISI), N. Delhi, India  
1985 M. Stat. (Specialization: Quantitative Economics & Planning), ISI, Calcutta & N. Delhi  
1983 B. Stat. (Honours), ISI, Calcutta

## **Employment Information**

19.9.16 – Till date Professor (nee Senior Fellow)  
National Council of Applied Economic Research (NCAER), New Delhi, India  
25.8.10 -14.9.16 Professor, Academy of Scientific & Innovative Research and Senior Principal Scientist,  
CSIR-National Institute of Science, Technology, and Development Studies, New Delhi  
01.4.04 - 24.8.10 Senior Fellow (Chief Economist), NCAER  
01.4.02 - 31.3.04 Principal Economist, NCAER  
01.5.99 - 17.7.00 Senior Fellow, ICRIER, New Delhi, India (on leave from NCAER)  
04.8.95 - 31.3.02 Senior Economist, NCAER  
04.8.93 - 03.8.95 Economist, NCAER  
04.8.92 - 03.8.93 Consultant, NCAER

## **Research Area**

International Trade	Institutional Economics	CGE Modelling	Climate Change
Industry Analysis	Innovation Studies	Regional integration	Informal Trade

## **Professional Experience**

### *Overseas Experience*

Fall-1994, Feb'96, Oct'97, Aug'98 *Visiting Scholar/Visitor*, School of Public Policy, Univ. of Michigan, Ann Arbor, USA  
Worked with Professors Alan Deardorff & Robert M. Stern of Univ. of Michigan on the development of NCAER-Michigan Global Trade Model  
20.9.93 - 4.11.93 *Visiting Scholar*, Conference Board of Canada (CBC), Ottawa, Canada  
Worked with Forecasting Division (CBC) on the expansion of NCAER Macro Model

### *Committee Members*

Member of Logistics Task Force  
Member of Indian Climate Energy modelling Forum, Niti Aayog, Government of India  
Member of Working Group 1 for the study on "Macroeconomic Implications of Net Zero Transitions, Niti Aayog, Government of India

*Selected Studies undertaken as Project Leader/Co-Project Leader*

<i>Period</i>	<i>Study</i>	<i>Sponsor</i>
Jan'25 – Mar'26	Changing Paradigm in Energy Sector: Implication of Fund-Flow towards Renewable Energy Sector Development	New Venture Fund
Nov'24 – Nov'26	Wide Implication of Low Carbon Electricity and Transportation	Bezos Earth Fund
May'24 – Dec'24	Implication of Arctic Ice melting on the Indian Economy	Institute for Governance and Sustainable Development
Apr'24 – Oct'24	Planning for Economy Recovery of South Asia from Covid-19 "Strengthening General Equilibrium Modelling Capacity in India"	Asian Development Bank
Apr'24 – May'25	Macroeconomic implications of energy transition pathway	International Sustainable Energy Foundation
April'23- Dec'23	Estimating Logistics Cost	Department for Promotion of Industry and Internal Trade
Jan'23- Dec'23	Building a Socio-economic Model for India for Developing a Low-carbon Pathway for India	International Sustainable Energy Foundation
Jan'23- Dec'23	Decoding National-level Low-carbon Pathways at the State Level	International Sustainable Energy Foundation
July'22– Till date	Planning for Economic Recovery of South Asia from COVID-19- "Strengthening General Equilibrium Modelling Capacity in India"	Asian Development Bank
Jan'22- Dec'22	An Integrated Modelling Approach for Assessing the Macroeconomic Costs and Benefits of Low Carbon Pathways	The New Venture Fund
Nov'20- June'22	Evaluation of India's Faceless E-Assessment Tax Scheme	The Department of Economic Affairs & the Central Board of Direct Taxes Ministry of Finance, Government of India
Sep'19 –Mar'20	Assessment of Alcohol Taxation, Affordability and Price Elasticity Patterns in India	World Health Organisation
Mar'19 –July'20	Water-to-Cloud: Correlating socio-economic indicators with river water quality	Tata Centre for Development at UChicago
Feb'19 – July'20	Atmospheric Pollutants and their Impacts on Public Health risk assessment in Delhi / NCR	Indian Oil Limited
Apr'19 – Dec'19	The Effect on the Indian Economy of Lending by CDC's Financial Institutions Investors	CDC Investment Group, London
Aug'18 – Nov'19	Agricultural Diagnostic for Bihar State of India	DFID, UK
Apr'18 – Oct'19	Logistics Sector Research	Logistics Division, Ministry of Commerce and Industry
Oct'17 – Jun'18	Nowcasting India's GDP	NCAER

Jan'17 – Aug'18	Doubling Farmers' Income	Ministry of Agriculture and Family Welfare
Jun'14 - Dec'15	Modelling Studies on Greenhouse Gas Emission and Emission Intensities of Indian Economy	Ministry of Environment & Forest
Oct'12 - Mar'17	India S&T and Innovation Policy	CSIR
2012 - 2013	Impacts of Futures Markets of Potato and Mentha oil on Farm Communities	MCX
Mar'12 - Jun'12	Private Sector Investment Opportunities in Indian R&D	British High Commission
Oct'06 – Dec'09	Climate Change and Indian Economy: A CGE Modelling Approach	Ministry of Environment & Forest
Mar'09 - Aug'09	Study on Bio-fuel Policy Issue	Ministry of New & Renewable Energy
Aug'05 - Aug'06	Study of Economic Integration between India and Chile	Ministry of Commerce & Industry
Dec'05 - Mar'06	Study of Economic Integration between India and EU	Ministry of Commerce & Industry
Feb'05 - May'05	Study of Export Potential Survey in West Bengal	Government of West Bengal
May'04 - Jul'04	Development of Pricing and Taxation as Tool Towards Clean Energy	World Wide Fund
Feb'04 - Jun'04	Synergising Maruti Udyog Ltd with Economic Environment	Maruti Udyog Ltd
Nov'02 - Oct'03	Climate change and Agriculture: Effects on India and other Developing countries	SANEI
Jun'02 - Jun'03	South Asian Trade Policies & Regional Trade in South Asia	World Bank
Nov'01 - Sep'03	Study on Foreign Direct Investment	CUTS
May'01 – Feb'02	Reorienting Competition Policy & Law in India	CUTS
Aug'01 – Jan'02	Assessment of Gujarat Public Sector Resource Management Program	Asian Development Bank
Aug'00 – May'01	Tobacco Industry in India: A Macroeconomic Analysis	ITC Ltd
May'99 – Jul'00	Informal Trade in South Asia	SANEI
Aug'97 – Mar'98	Income & Employment Multipliers for financial Sector's Growth in Mumbai Region	Bombay First Group
Aug'98 – Apr'99	Assessment of the Impact of Alternative Tariff Structure & Selective Alternatives of Non-Tariff Restrictions on the Economy	Tariff Commission
Mar'94 – Oct'98	Development of a stand-alone CGE model for India, its integration with Michigan World	USAID

Aug'92 – Aug'95 Expanding, modifying & up keeping of NCAER's short-term model for the Indian economy

Ministry of Finance & Conference Board of Canada

### ***Selected Professional Assignments***

Feb'13 - Jul'13	Provided Advisory Services to Ernest Young Pvt. Ltd for <i>Developing a holistic view of India's Infrastructure</i> for Rio Tinto London Limited
Aug'08 – Mar'15	Provided Advisory Services to TERI for research studies on issues of tax, subsidy, green growth and development with application of CGE models
Feb'10 - Aug'10	Provided Advisory Services to ADB for <i>Study on Cross-Sectoral Implications of Biofuel Production and Use</i>
Aug'09 - Oct'09	Consultant to Department of Economic Affairs, Ministry of Finance (GOI) for conducting a <i>Study on Issues relating to Climate Change especially Policy Instruments for Mitigating GHGs Emissions</i>
Jun'08 – Mar'09	Advisor to TERI for project entitled <i>Emerging Markets &amp; linkages with Sustainability, Security of Natural Resources-The case of Copper</i>
Apr'08 – Apr'08	Consultant to OECD for <i>Cities &amp; Climate Change Project</i> for Mumbai Region
Mar'08 – Mar'08	Consultant to <i>Price Water House Coopers</i> for Economic Impact Study on Delhi's 2010 Commonwealth Games
Jan'07 –Dec'07	Advisor to RIS for collaborative work on building CGE model for the East Asia countries
Jun'07 – Jul'07	Consultant to CUTS for project entitled <i>Improving Government Governance in Commonwealth South Asia- Effective Interaction on Informed Policy Analysis</i>
Oct'04 – Oct'04	Consultant to <i>The World Bank (India)</i> on issues related to Trade Facilitation
2002 - 2003	Advisor to RIS for collaborative work on building CGE model for the JACIK countries
Jul'01 – Apr'02	Advisor to ICRIER for the study on India's Informal Trade with Sri Lanka & Nepal under SANEI II

### ***Teaching related Experience***

- *Trade and Technology*. Elective course in PhD Program of CSIR-NISTADS, Semester: Jan- May 2016.
- *Indian Economy and Policy*. Core course in PhD Program of CSIR-NISTADS, Semesters: Aug-Dec 2013, Jan- May 2014, Aug-Dec 2015.
- Course Development: (a) *Indian Economy and Policy* (b) *Principal of Economics* (c) *Trade and Technology*. For PhD Program of CSIR-NISTADS, 2012.
- *International Trade & Policy*. International Program in Management for Executives, organized by Indian Institute of Management Lucknow-NOIDA, 25-27<sup>th</sup> Oct'09. Guest Lecturer.
- *Research Training Program on Advanced Computable General Equilibrium Modelling*. Jadavpur University under UNCTAD-DFID-GOI Project, 11-16<sup>th</sup> May'09. Course Instructor.
- *Climate Change and Disaster Management- ToT Program for Senior Central Govt. Officers*. National Institute for Disaster Management, 16-20<sup>th</sup> Mar'09. Course Instructor.
- *Research Training Programme on Computable General Equilibrium Modelling*. Jadavpur University under UNCTAD-DFID-GOI Project, 20-25<sup>th</sup> Oct'08. Course Instructor.
- *International Trade Theory & Applications*. Management Development Institute, Sep'07, Feb'08. Invited Lectures.
- *Tariff commission Officers*. Batch'05. Invited Lectures.
- Course Development: *Trade & General Equilibrium Approach- MEC-01, M.A., Eco*. For Indira Gandhi National Open University, Delhi, India, 2005.

## ***Professional Advisory***

- *Managing Editor (-ex)*, Margin- Journal of Applied Economic Research
- *Member*, Asian council of Science Editor
- *Member*, India Climate and Energy Modelling Forum, Niti Aayog
- *PhD Students*: Dissertation completed -1, under Supervision- 1.
- *Doctoral Advisory Committee Member* - 2 students.
- *Council Member*, Gerson Lehrman Group, Jan'06 - Till date.
- *Associate Member*, UNCTAD Virtual Institute, Jan'10 – Till date.
- *Life Member*, Forum for Global Knowledge Sharing.
- *Adjudication of MPhil thesis*, submitted to CITD, SIS, Jawaharlal Nehru University, New Delhi, 2014.
- *Adjudication of PhD thesis*, submitted to Kolkata University, 2013.
- *Nominated* as National Experts for IPCC's 5th Assessment Report, 2010.
- *Member*, Modelling Subgroup on Climate Change, Ministry of Environment & Forests (GOI), May'07 – Apr'10.
- *Member*, Expert Committee to review & suggest best Method of declaration of Retail Sale Price on pre-packed commodities, Aug'07 – Jun'08.
- *Referee for* Journal of Asian Economies, Bulletin of Geography: Socio-economic Series, Utilities Policies, The World Economy, International Review of Applied Economics, Energy Policy, Economic Modelling, Margin, Economics of Planning, South Asia Economic Journal, Journal of Social & Economic Development, Trade and Development Review, International Journal of Stability, Security and Development and Herald Journal of Economics and Finance.
- *Referee for* publication proposal submitted to Oxford University Press, India.
- *Session discussant*, International Workshop on Preferential Trading Agreement in Asia: towards an Asian Economic Community, organized by ICRIER, March 30, 2006, New Delhi, India.
- *Member*, Expert Committee on Forecasting of Electricity Demand, 2005.
- *Session discussant*, Workshop on India-Bangladesh Trade & FTA, organized by Bangladesh Enterprise Institute & The World Bank, August 13, 2005, Dhaka, Bangladesh.
- *Panelist* on Trade Facilitation: The Commonwealth Business Council SAFTA Roundtable organized by Commonwealth Business Council, December 15-16, 2004, New Delhi, India.
- *Session Chairman (Integration 6A)*, 6th Annual Conference on Global Economic Analysis, 12th-14th June, 2003, The Hague, Netherlands.
- *Panelist* for Research Seminar on Foreign Direct Investment-The Policy Dimension, organized by CUTs, 26th November 2002, New Delhi, India.

## ***Achievements***

- Selected for The Gopal Krishna Gokhale Memorial Annual Prize for the most outstanding article published in it by one or more authors (irrespective of age) be awarded to Pradip Kumar Biswas, Jyotiprakash Verma and Sanjib Pohit for the article entitled "India's Biodiesel Programme: A Pathway for Sustainable Entrepreneurship, Employment Generation and Inclusiveness" (Vol. LXIII, No. 1, March 2021, pp. 1-22)
- Earhart scholarship for participating in the Richard Coase Institute's Workshop in Institutional Analysis in Berkeley, California: 10-13<sup>th</sup> Sep'01.
- Finalist for the GDN Medal in the thematic area Institutional Dimension of a Market Economy: 2000.
- Scholarship from Indian Statistical institute during undergraduate, postgraduate & doctoral studies: 1980-92.
- National Merit Certificate, Government of India: 1978.

## ***Administrative Experience***

- Member: Library committee, Apr'13 – Dec'15; Intellectual Property and Business Development Group, Dec'15- May'16, CSIR-NISTADS.
- Member: Management Council, Apr'02 – Aug'10; Knowledge Resource Committee, Apr'02 – Aug'10, NCAER.
- Organizer, National Workshop on Critical Issues in Indian Official Statistics in collaboration with Department of Economics, University of Kolkata, 13.3.2015
- Organizer: *Conference on Science, Technology, and Innovation in Manufacturing*, held at IIC, New Delhi, 15th Oct'15.
- Organizer: *Workshop on India-Bangladesh Trade and FTA*, held at IIC-Annexe, New Delhi, 18th Aug'05.
- Organizer: *National Workshop on Final Results of India CGE Model*, held at IIC, New Delhi, 27th May'96.

## **Selected Publications**

### ***Book***

- *India-Pakistan Trade: Strengthening Economic Relations*, 2015, Co-editor, published by Springer, Germany.
- *India Science & Technology, volume 3*, 2014, Co-editor, published by Cambridge University Press, Delhi, India.
- *GHG Emissions and Economic Growth: A Computable General Equilibrium Model based Analysis for India, 2015*, Co-author, published by Springer, Germany.
- *India Pakistan: Trade Perception Survey*, 2014, Co-author, published by Academic Foundation.
- *Impacts of Potato & Mentha Oil Futures on the Commodity Ecosystem*, 2013, Co-author, IIMC & CSIR-NISTADS, Delhi, India
- *India Science & Technology, volume 2*, 2013, Co-editor, published by Cambridge University Press, Delhi, India.
- *Investment Policy in India- An Agenda for Action*, 2003, Co-author, published by CUTS Centre for Competition, Investment & Economic Regulation, Jaipur, India.
- *Investment Policies in Select Large Emerging Markets*, 2003, Co-author, published by CUTS Centre for Competition, Investment & Economic Regulation, Jaipur, India.
- *Investment Policy in India- Performance & Perceptions*, 2003, Co-author, published by CUTS Centre for Competition, Investment & Economic Regulation, Jaipur, India.
- *Pulling up Our Socks: -A Study of Competition Regimes of Seven Developing Countries of Africa and Asia*, 2003, Co-author, published by CUTS.
- *Reorienting Competition Policy & Law in India*, 2002, Co-author, published by NCAER & CUTS Centre for International Trade, Economics & Environment, Jaipur, India.
- *The Impact of Trade and Domestic Policy Reforms in India: A CGE Modelling Approach*, 1998, Co-author, published by Michigan University Press, USA.

### ***Book Extract***

- *Enhancing Agricultural Productivity and Farmer Incomes in Bihar, 2023*, co-author, Sankar Kumar Bhaumik (ed.), pp. 10–32, Sage Spectrum.
- *Sources of Agricultural Growth: Implications and Policy Interventions*, 2023, in *Enhancing Agricultural Productivity and Farmer Incomes in Bihar* (ed. S.K. Bhaumik), pp.10-32, published by Sage
- *Recession, COVID-19, and Aftermath: A Macroview*, 2020, in *COVID-19: Challenges for the Indian Economy - Trade and Foreign Policy Effects* (ed. Prabir De and Suranjan Gupta), pp. 71-73, published by ASEAN-India Centre (AIC) - Engineering Export Promotion Council of India (EEPC), New Delhi.
- *Innovation Strategies in Indian Textile Sector: A case study of Surat Textile Cluster*, 2017, Co-author, in *Policy Perspectives on innovation and Sustainable Development* (ed. S. Bhattacharya, Yogesh Suman and T. Jamal), pp. 1-9, published by Syahi Publication House, N. Delhi, India.
- *Bamboo Industry in North-Eastern Region: Trends Emerging from Survey*, 2017, Co-author, in *Policy Perspectives on innovation and Sustainable Development* (ed. S. Bhattacharya, Yogesh Suman and T. Jamal), pp. 50-57, published by

Syahi Publication House, N. Delhi, India.

- *India's Biodiesel Programmes: Status, Prospects and Shortcomings*, 2017, Co-author, in *Sustainable Biofuels Developments in India* (ed. Chandel & Sukumaran), pp. 247-259, Springer, Germany.
- *BRICS-Step: An Operational Model*, 2016, Co-author, in *BRICS: Science & Technology Enterprise Partnership*, September.
- *BRICS-Step: Strategy and Positioning*, 2016, Co-author, in *BRICS: Science & Technology Enterprise Partnership*, September.
- *Prioritizing Sectors for Sustainable Growth in India: An Environmental Social Accounting Matrix based Analysis*, 2016, Co-author, in *Economic Modelling, Analysis, and Policy for Sustainability* (ed. Goswami & Mishra), pp. 41-53, IGI Global, USA.
- *India-Pakistan Trade Relations: An Introduction*, 2014, Co-author, in *India-Pakistan Trade: Strengthening Economic Relations* (Ed. Taneja & Pohit), pp. 1-13. Springer, Germany.
- *India-Pakistan Trade Perception Survey*, 2014, Co-author, in *India-Pakistan Trade: Strengthening Economic Relations* (ed. Taneja & Pohit), pp. 71-126. Springer, Germany.
- *India-Pakistan Trade Liberalization: A CGE Modelling Approach*, 2014, Co-author, in *India-Pakistan Trade: Strengthening Economic Relations* (ed. Taneja & Pohit), pp. 127-146. Springer, Germany.
- *The Way Forward*, 2014, Co-author, in *India-Pakistan Trade: Strengthening Economic Relations* (ed. Taneja & Pohit), pp. 337-347. Springer, Germany.
- *Complementarities of India–Russia Economic Relations: Present Status and Future Prospects*, 2014, in *Current Issues in International Trade: Methodologies and Development- Implications for the World Economy* (ed. Gouranga G. Das), chapter 5, pp. 87-108. Nova Publisher, New York, USA.
- *Constructing Trade Barrier Index for Selected Countries of South Asia*, 2014, Co-author, in *Current Issues in International Trade: Methodologies and Development- Implications for the World Economy* (ed. Gouranga G. Das), chapter 9, pp. 161-180. Nova Publisher, New York, USA.
- *Structure of Indian Enterprises*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 94-95. Cambridge University press, India.
- *Facets of Growth in Indian Listed Companies*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 96-100. Cambridge University press, India.
- *Performance of Informal Sector*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 101-103. Cambridge University press, India.
- *Informal Sector Financing: Regional and Sectoral Pattern*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 146-149. Cambridge University press, India.
- *Trends in Process Innovation, Skill Development in Indian Listed Companies*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp.153-158. Cambridge University press, India.
- *Nature and Types of Business Links and their Relation to Technology Upgradation of Informal Sector and Productivity Growth*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 161-162. Cambridge University press, India.
- *Firms' R&D Expenditure in India*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 166-169. Cambridge University press, India.
- *MNC's R&D Expenditure in India*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp.170-174. Cambridge University press, India.
- *Collaborative Pattern in R&D between Public and Private Sectors*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 175-178. Cambridge University press, India.
- *Trends in High Technology Exports*, 2014, Co-author, in *India: Science & Technology, vol. 3* (ed. Pohit et al), pp. 195-203. Cambridge University press, India.
- *Complementarity and Potentials of High Technology Trade, Technology and Skills Transfers between India-Russia*, 2014, in *Socio Economic and Technological Innovation Mechanism and Institutions* (ed. Mandal, Asheulova & Kirdina), pp. 412-425. Narosa Publishing house.
- *Productivity, Technical Change and Innovation in Indian Economy*, 2013, Co-author, in *India: Science & Technology, vol. 2* (ed. Pohit et al), pp. 158-163. Cambridge University press, India.

- *Trend in High Technology Trade*, Co-author, 2013, in *India: Science & Technology*, vol. 2 (ed. Pohit et al), pp. 164-167. Cambridge University press, India.
- *Machine Tools Industry of India*, Co-author, 2013, in *India: Science & Technology*, vol. 2 (ed. Pohit et al), pp. 211-212. Cambridge University press, India.
- *Industrial Robots*, Co-author, 2013, in *India: Science & Technology*, vol. 2 (ed. Pohit et al), pp. 213-214. Cambridge University press, India.
- *Public Procurement as Policy Tool*, Co-author, 2013, in *India: Science & Technology*, vol. 2 (ed. Pohit et al), pp. 240-242. Cambridge University press, India.
- *India's Emissions Profile: findings from NCAER-CGE Model*, Co-author, 2009, in *India's GHG Emissions Profile: Results of Five Climate Modelling Studies*, Climate Modelling Forum, supported by Ministry of Environment and Forests, Government of India.
- *Trends in High-Technology Trade*, 2008, in *India Science & Technology 2009* (ed. P. Banerjee), pp. 131-134. Published by NISTADS (CSIR).
- *Lacuna in Trade Facilitation & Informalisation of Trade: Lesson from India-Bangladesh Trade*, 2008, in *Indo Bangladesh Border Trade* (ed. G. Das & C. J. Thomas). Akansha Publishing House, New Delhi, India.
- *Welfare Gains from Regional Economic Integration in Asia: ASEAN + 3 or EAS*, 2008, Co-author, in *Asia's New Regionalism & Global Role – Agenda for the East Asia Summit* (ed. N. Kumar, K. Kesavapany & Yao Chaocheng). Published by RIS, India and ISEAS, Singapore.
- *Informal Trade in India, Nepal, and Sri Lanka*, 2005, Co-author, in *Economic Development in South Asia* (ed. Mohsin Khan), pp. 54-114. Tata McGraw-Hill Publishing Company Limited.
- *Implications of Economic Cooperation among JACIK Countries: A CGE Modelling Approach*, 2004, Co-author, in *Towards an Asian Economic Community: Vision of a New Asia* (ed. N. Kumar). Published by RIS, India and ISEAS, Singapore.
- *Prices*, 2004, Co-author, in *Mid-Year Review of the Indian Economy 2003-2004* (ed. S. Bery), pp. 98-103. Published by India International Centre, New Delhi, India.
- *Macroeconomic Outlook: The Current Scene and Prospects*, 2002, Co-author, in *Mid-Year Review of the Indian Economy 2002-2003* (ed. N. N. Vora), pp. 118-141. Published by India International Centre, New Delhi, India.
- *India's informal Trade with Bangladesh and Nepal: A Comparative Study*, 2001, Co-author, in *Trade, Finance, and Investment in South Asia* (ed. T. N. Srinivasan), pp. 122-182. Social Science Press, New Delhi, India.

#### **Articles in Journals/Proceedings – International**

- “*Impact of Ethanol Blended Fuel and Bharat Stage VI Emission Standards on Human Health and Ambient Air Quality Risk Assessment in India*” 2025, Co-author, in *the American Journal of Respiratory and Critical Care Medicine*, May 2025;211:A2109.
- *Quantifying the Transport, Regulatory and Other Costs of Exporting through Petrapole Land Port*, 2022, Co-author, *Journal of land ports and border economy*, issue 1, March, Routledge.
- *Price and Tax Elasticity of Alcohol Consumption: Evidence from Seven Indian States*, 2022, Co-author, *medRxiv*, 2022.03.25.22272940.
- *Role of Policy Interventions in Limiting Emission from Vehicles in Delhi, 2020-2030*, 2021, Co-author, *ADB Working Paper Series No. 1297*, December.
- *The US–China trade war: Impact on India and other Asian regions* Rajesh Chadha, 2021, Co-author, *Journal of Asian Economic Integration*, August 30.
- *COVID-19 Pandemic and Social Distancing: Key Challenges and Solutions for Industry and Community*, Co-author, June 13, 2020, *Mainstream Weekly*, VOL LVIII No 26, New Delhi.
- *Recycling Carbon Tax for inclusive Green Growth: A CGE analysis of India*, 2020, Co-author, *Energy Policy*, vol. 144 (c).
- *Survey of Literature on Measuring Logistics Cost: A Developing Country's Perspective*, 2019, Co-author, *Journal of Asian Economic Integration*, 1(2), pp. 260–282.

- *Quantifying Impediments to India-Nepal Overland Trade: Logistics Issues and Policy Message*, 2016, *Journal of Borderlands Studies*, Nov., pp. 1-16.
- *FDI in R&D in India: An Introspection*, 2016, Co-author, *Turkish Economic Review*, vol. 3, issue 3, pp. 513-521.
- *Role of Productivity and Technical Change in India's Growth: An Input-Output Approach*, 2015, Co-author, *Science, Technology and Development*, vol. 34, no. 2, pp. 66-73.
- *What ails India's Biodiesel Programme?* 2013, Co-author, *Energy Policy*, vol. 52, issue C, pp. 789-796.
- *Social Accounting Matrix for India*, 2012, Co-author, *Economic Systems Research*, Vol. 24, No. 1, March, pp. 77-99.
- *Economy-Wide Impacts of Biodiesel Production and Use in India: A Computable General Equilibrium Model Assessment*, 2011, Co-author, *South Asia Working Paper Series*, Asian Development Bank, May, No. 4, 1-17.
- *Incentive structure of India's Biofuel programs: status, shortcomings and implications*, 2011, Co-author, *Biofuels*, Vol. 2, No. 4, July, pp. 389-404.
- *An assessment of the potential impact of climate change on Flood risk in Mumbai*, 2011, Co-author, *Climate Change*, pp. 139-61.
- *Flood Risks, Climate Change Impacts and Adaptation Benefits in Mumbai: An Initial Assessment of Socio-Economic Consequences of Present and Climate Change Induced Flood Risks and of Possible Adaptation Options*, 2010, Co-author, *OECD Environment Working Paper*, No. 27, Nov.
- *Pricing model for biodiesel feedstock: A case study of Chhattisgarh in India*, 2010, Co-author, *Energy Policy*, Vol. 38, Issue 11, pp. 7487-7496.
- *Trade and Distributional impact of Genetically Modified Crops in India: A CGE analysis*, 2010, Co-author, presented in *Thirteenth Annual Conference on Global Economic Analysis*, June 9-11, Bangkok, Thailand.
- *Environmental and Employment impact of resource use in India: A case study of copper*, 2010, Co-author, presented in *Thirteenth Annual Conference on Global Economic Analysis*, June 9-11, Bangkok, Thailand.
- *Biodiesel from Jatropha: Can India meet the 20 percent Blending Target?* 2010, Co-author, *Energy Policy*, Vol. 38, pp. 1477-1484.
- *International experiences of ethanol as transport fuel: Policy implications for India*, 2009, Co-author, *Energy Policy*, Vol. 37, Issue 11, pp. 4540-48.
- *Social Accounting Matrix for India*, 2009, Co-author, *Proceedings of the 17<sup>th</sup> International Conference of Input-Output Techniques*, 13-17 July, Sao Paulo, Brazil.
- *Quantifying the Transport, Regulatory and Other Costs of Indian Overland Exports to Bangladesh*, 2006, Co-author, *The World Economy*, Vol. 29, No. 9, 1227-1242.
- *WTO Agreement on Agriculture, Liberalization in Select Countries, and Implications for South Asia: A CGE Modelling Analysis*, 2006, Co-author, *Proceedings of the International Conference on International Trade*, January 2-3, Jadavpur University, Kolkata, India.
- *India's Informal Trade with Sri Lanka and Nepal: An Estimation*, 2004, Co-author, *South Asia Economic Journal*, vol.5, no.1, Jan.-June, pp. 27-54.
- *India's Informal Trade with Bangladesh: A Qualitative Assessment*, 2003, Co-author, *The World Economy*, Vol.26, No. 8, pp. 1187-1214.
- *Towards Formation of Close Economic Cooperation among Asian Countries*, 2003, Co-author, *Proceedings of the 6<sup>th</sup> Annual Conference on Global Economic Analysis*, June 12-14, The Hague, Netherlands.
- *Income and Employment Effects in Mumbai Region: An Input-Output Approach*, 2000, *Proceeding of the XIII International Conference on Input-Output Techniques*, August 21-25, University of Macerata, Italy.
- *Phasing Out the Multi-Fibre Arrangement: Implications for India*, 1999, Co-author, *Proceeding of the Second Annual Conference on Global Economic Analysis*, June 20-22, Denmark.
- *Analysis of India's Policy Reforms*, 1998, Co-author, *The World Economy*, vol. 21, no. 2, pp. 235-259.
- *The Impact of Climate Change on India's Agriculture: Some Preliminary Observations*, 1997, *Proceeding of the 20th International Conference of the International Association for Energy Economics*, 22-24th January, Delhi, India.
- *An Analysis of Consumption Expenditure of Rural & Urban Income Groups in LES Framework*, 1997, Co-author, *Asian Economies*, vol. 26, no.1, pp. 35-51.

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- *Push for solar energy: Is India on the right path?* *Qrius*, March 14, 2018.
- *Smart Cities Mission without a smart waste disposal system?* *Qrius*, February 27, 2018.
- *GST: A small step towards easing overland logistics barriers*, *Qrius*, February 08, 2018.

- *Nowcasting' the Indian economy: A new approach to know the now-GDP*, Co-author Soumya Bhadury, January 12, 2018, *Ideas for India*.
- *The untold truths of Aadhaar, Qrius*, December 23, 2017.
- *A flood of questions, The Hindu*, October 21 2017.
- *Sensex Defying Gravity*, 2007, *The Analyst*, February, pp. 52-55.
- *The Regional Chemistry is just right for an RTA*, 2005, *Financial Express*, 20th April.
- *SAFTA: Much Effort for Little Gains?* 2004, *Business Line*, Jan. 3.
- *Ecotourism: A win-win Strategy*, *Business Line*, April 27, 2004.
- *FTAs and the Para-Tariff Effect*, *Business Line*, November 27, 2003.
- *Sub-Optimality of a uniform Tariff Rate*, Co-author R.Venkatesan, *Financial Express*, February 16, 2002.
- *Reforms: First things first*, *Business Line*, March 21, 2002.
- *New Goods and Gains from Reforms*, *Business Standard*, August 26, 1999.
- *Gains from Consumer Goods Imports*, *Business Standard*, April 2, 1998.
- *How do Reforms Make Indian Economy more Efficient*, Co-author, published in *Business Today*, March 7, 1997.
- *Budget & Trade Policy Reforms*, Co-author, published in *Business Standard*, May 31, 1997.
- *NCAER Study Projects 5% GDP Growth*, Co-author, published in *Financial Express*, 4 June, 1993.

### **Selected Presentations**

- *2nd Annual Forum on the Macroeconomics of Green & Resilient Transitions and the GMMI meeting*, organised by Bezos Earth Fund, held on June 16–20, 2025, in Copenhagen, Denmark.
- *Economic Impact of Green Transition in Kerala: A subnational CGE-based IAM model for India*, paper presented at the First C3A Annual Symposium, organized by the World Bank Conference Center, Paris, held on Friday, December 06, 2024.
- *Roundtable: Development and use of analytical tools*, chaired session at the First C3A Annual Symposium, organized by the World Bank Conference Center, Paris, held on Friday, December 03, 2024.
- *Logistics Ease Across Different States (LEADS) Report 2024 launch and Logistics Excellence, Advancements & Performance Shield (LEAPS) 2024 Award Ceremony*, organized by DPIIT, invited to attend at Leaders' Lounge, on January 03, 2025 at Bharat Mandapam, New Delhi.
- *Some Key Issues Pertaining to Viksit Bharat 2047*, organised by Surya Foundation, participated as a Discussant on November 26, 2024, through google meet.
- *Think tank on "Pre-Budget Recommendations– 2025-26"* organised by Surya Foundation, participated as a Presenter on November 21, 2024, at India International Centre, New Delhi.
- *Stakeholder consultation- India's Long-Term Low-Carbon Modelling Pathway*, organised by Shakti Foundation, on November 5, 2024 at Tango conference hall, Hotel Ambassador, New Delhi.
- *COMMITTED & ELEVATE Modelling & Stakeholder Workshop in India 2024*, organized by TERI and IIM Ahmedabad, participated as a Discussant at Casuarina Hall, India Habitat Centre, New Delhi on October 23, 2024.
- *INDIA-Dev. led Energy Transitions [MIP] 2024*, organized by IIM Ahmedabad, participated as a Modelling Expert/Discussant on October 30, 2024, through google meet.
- *Uncertain Times – Risks and Opportunities For Indian MSME*, participated in closed-door Round Table Discussion roundtable, March 14, 2024, organised by Centre for WFFAI, at India International Centre, Delhi.
- *Challenges and Policy Implications of a Low Carbon Pathway for Odisha An Integrated Assessment Modelling Approach*, Invited Panellist in a work planning Workshop, January 25, 2024, organised by Shakti Foundation, India Habitat Centre, New Delhi.
- *Roundtable-Climate Modelling: Simulating the Fiscal and Distributional Impacts of India's Energy Transition*, invited to attend roundtable on February 27, 2024, organised by Centre for Social and Economic Progress (CSEP), Delhi.
- *Low Carbon Pathway for Odisha: An Integrated Assessment Modelling Approach*, presented in Policy Dialogue Energy Transition in Eastern India: Issues and Challenges along with Dr. Chetana Chaudhuri and Dr. Anindya Bhattacharya,

January 23-24, 2024, at DST- Centre for Policy Research, NISER, Bhubaneswar.

- *Low Carbon Pathway for Kerala Odisha: An Integrated Assessment Modelling Approach*, presented paper, February 24-25, 2024 at the 7th Sanem Annual Economists' Conference (SAEC), Dhaka, Bangladesh.
- *Logistics Cost in India: Assessment and Long-term Framework*, report release for project led by Dr. Poonam Munjal and Dr. Sanjib Pohit, December 14, 2023 at Ministry of Commerce & Industry, New Delhi.
- *Challenges and Policy Implications for Low Carbon Pathway for Kerala: An Integrated Assessment Modelling Approach*, November 28, 2023 presented in workshop organized by Centre for Development Studies, at Energy Management Centre, Kerala.
- *Measuring Logistics Cost*, presented in a Workshop on Logistics Cost Framework, organised by Department of Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, in partnership with Asian Development Bank (ADB), New Delhi, March 20, 2023.
- *Mission Life towards India's Low-carbon Pathway: An Integrated (CGE+Message-ix) Modelling Approach*, Presented to the ADB team and invited experts on March 14, 2023, NCAER, New Delhi.
- *Decoding National-level Low-carbon Pathways at the State Level*, presented on project, March 09, 2023, National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha.
- Co-Presenter in session on "Rapidly Growing Indian Economy with Green Energy: CGE Simulations for a Vision for the Next 25 Years" at Conference on '75 years of Productivity Growth in India', organised by Delhi School of Economics, February 25, 2023.
- "India's Net-zero Pathways and Its Macroeconomic Implications", presented at TERI under NITI Aayog Task Force-I, New Delhi, February 8, 2023.
- *Moonshots for the Emerging World: Building State Capacity and Mobilising the Private Sector toward Net Zero: Regional Launch of the Asian Infrastructure Finance Report 2022*, participated in NCAER-AIIB seminar, December 8, 2022, at India Habitat Centre, New Delhi.
- *Impact of GST on Indian Economy: A CGE Modelling Exercise*, conference on Impact of GST Economy, NIPFP Auditorium, November 2022.
- *India's Life Mission: A Quantitative Analysis*, presentation at International Institute for Applied Systems Analysis, Laxenburg, Austria, November 16-17, 2022 at conference on Systems Analysis for Reducing footprints and Enhance Resilience..
- Participated in national conference on COP27 Compass organized by TERI through Cisco WebEx on 12<sup>th</sup> October 2022
- Participated in workshop on *Decarbonization for Development: Towards a Shared Research Agenda for Emerging Economies* at Hotel Borobudur, Jakarta through Zoom organized by Climate works on 20-21 October 2022.
- Participated in national conference on COP27 Compass organized by TERI through Cisco WebEx on 12<sup>th</sup> October 2022.
- Panelist at "*Long Term Decarbonization: Strategic Outlook Workshop*", organised by Shakti Foundation, October 2021.
- *Role of Policy Interventions in Limiting Emissions from vehicles in Delhi, 2020-30*, Presented in ADBI Virtual Workshop on Effective Greenhouse Gas Emission Control Policies, 26 August 2021.
- *Economic and Environmental Impacts of Dedicated Freight Corridors in India: Spatial Computable General Equilibrium (SCGE) Model*, Discussant, ADBI Virtual Workshop on Effective Greenhouse Gas Emission Control Policies 26 August 2021.
- *Opportunities for Entrepreneurship and Employment Generation through Bio-diesel Production in India*, 16th International Entrepreneurship Forum (IEF) Conference Theme: Sustainable Entrepreneurship and Economic Development, September, 2017, Kathmandu, Nepal.
- Invited discussant on "State of the Economy Seminar," NCAER, 24 August, 2017.
- Invited lectures on "Socio-Economic Impact Assessment: An Overview", and "Defining Socio-Economic Features and Identifying Data Requirement," Workshop on Socio-Economic Impact Assessment of R&D Outcomes, CSIR-Human Resource Development Centre, Ghaziabad, 26-28 April, 2017.
- Invited Lecture on "Input-Output Models and Application," Birla Institute of Management Technology, Greater NOIDA (UP), 15<sup>th</sup> April, 2017.
- Panelist for Special session on "Macro-Economic Impact of MGNREGA in India: An Analysis in CGE Modeling Framework", 58th Annual Conference of the Indian Society of Labour Economics, Guwahati, November 26, 2016.
- *Economic Impact of South Asia Electricity Trade*. SARI/EI Think Tank Forum India Meeting for South Asia

Regional Cooperation, Hotel Le Meridien, New Delhi, 27th October, 2016.

- *India-Pakistan Trade Liberalization: A CGE Modelling Approach*. Annual Conference on Normalizing India-Pakistan Trade, ICRIER, New Delhi. March 14 -15, 2013.
- *Achieving low Carbon Growth: India's Policy Choice and Action*. Economy wide-model for Climate Change at POEM workshop, Institute of Economic Growth, India international Centre, New Delhi. September 6, 2012.
- *Health Sector Reforms in India: A Situation Analysis*. 48Th Annual conference of the Indian Econometric Society (TIES), Technical Session II-D, Topic: Health and Education, Patna University. 9-11 January, 2011.
- *Climate Change & Indian Economy: Selected Issues*. State of the Economy Seminar, NCAER. 4<sup>th</sup> November, 2009.
- *Study on Selected Issues relating to Climate Change*. Ministry of Finance, North Block, GOI. 26<sup>th</sup> October, 2009.
- *Structure on NCAER's environment CGE Model, the database of Model & selected Policy Simulations. Modelling Subgroup on Climate Change*, Ministry of Environment & Forests, GOI. Aug 13/Oct 18- 2007 & 9 Jan- 2008.
- *ASEAN+6 versus ASEAN+3 Approaches for Regional Economic Integration: Lessons from CGE Simulations*. Sixth High Level Conference on Asian Economic Integration: Agenda for the East Asia Summit, Shangri-La Hotel, New Delhi. Nov 12-13, 2007.
- *How Sustainable is India's Economic Growth and how will it affects the Development and Growth of Investments in 2007 & beyond?* Indian Real Estate and Infrastructure Meet, International Quality & Productivity Centre (Asia), Singapore. April 3-4, 2007.
- *Trade Logistics and Transaction Costs of Goods Traded*. Workshop on Bangladesh-India Trade & FTA, Bangladesh Enterprise Institute, Bangladesh. August 13, 2005.
- *Can Economic Instruments Mitigate Carbon Emissions: An Indian Perspective*, International Conference on Environment, ITD, JNU, New Delhi. April 7- 8, 2005.
- *Quantifying the Transport, Regulatory and Other Costs of Indian Overland Exports to Bangladesh*. XIVth Annual Conference on Contemporary Issues in Development Economics, Department of Economics, Jadavpur University, Kolkata, India. 21-22nd December, 2004.
- *Trade Facilitation*. The Commonwealth Business Council SAFTA Roundtable, Commonwealth Business Council (London, UK) and Centre for Social Development, Delhi, India. 15-16th December, 2004.
- *India's Informal Trade with Nepal*. EGDI-WIDER Conference-Unlocking Human Potential: Linking the Informal and formal Sectors, United Nations University, Helsinki, Finland. 17-18th September 2004.
- *Trends in FDI Flows*. Workshop on Investment for Development, CUTS, Geneva, Switzerland. 9-10 May 2003.
- *Some estimates of Gains from Regional Economic Integration in Asia*. International Conference on Building a New Asia: Towards an Asian Economic Community, RIS, New Delhi, India. March 10-11, 2003.
- *National Advocacy Policy of India*. CUTS Partnership Conclave, New Delhi, India. March 12-14, 2003.
- *FDI Policies and Practices: Indian Experience*. Conference on Reaching Out in India on Economic Issues, CUTS, OXFAM, and Consumer Guidance Society of India, Mumbai, India. Jan. 27, 2003.
- *Perceptions on Impact of FDI flows on the Economy*. National Seminar on Competition, Investment and Growth, CUTS, Chennai, India. June 8-9, 2002
- *FDI Policies and Flows: Indian Perspective*. Asia Pacific Regional Seminar, CUTS, New Delhi, Nov. 24-25, 2002.
- *Informal Trade in the SAARC Region*. IVth SANEI Annual Conference, SANEI, Dhaka, Bangladesh. Aug. 28-29, 2002.
- *Agricultural Trade Liberalisation under GATT and Economic Reforms in India: A CGE Modelling Exercise*. Seminar on Policy Modelling for India, Delhi School of Economics, New Delhi, India. May 8 & 9, 2000.
- *SAARC and Informal Trade in South Asia*. First SANEI Conference, SANEI, New Delhi, India. Sept. 1-3, 1999.