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RESEARCH INTEREST

Macro-Economic Analysis, Tourism Economy, National and Regional Tourism Satellite Accounts, Input-Output Modelling, Social Accounting Matrix, Inter-Industry Linkages, Labour Market Analysis and analyses of large sample surveys to draw Socio-Economic Linkages.

PROFESSIONAL EXPERIENCE

Organisation	Position held	From	To
National Council of Applied Economic Research (NCAER)	Senior Fellow	Nov 2018	Till Date
NCAER	Fellow	July 2017	Oct 2018
Pricewaterhouse Coopers Pvt Ltd (PwC India)	Associate Director	May 2016	June 2017
NCAER	Fellow	July 2011	April 2016
CRISIL Ltd.	Economist	Nov 2007	May 2011
NCAER	Associate Fellow	Aug 2007	Oct 2007
NCAER	Research Analyst	Dec 1996	July 2007

RESEARCH EXPERIENCE / MAJOR STUDIES UNDERTAKEN

Name of assignment or project: Skilling in Schools

Year: 2022

Sponsor: Central Board of Secondary Education

Main Project Features: – To identify the issues and gaps with the current programs on skills in CBSE schools. The gaps should focus on the quality and relevance of skills taught in schools, learning outcomes, and their impact on the pathways to work and further education. To identify the steps and measures to overcome the constraints and strengthen the positive factors identified in the study to make the skilling programs in CBSE schools more effective in meeting their goals.

Positions Held: Project Leader

Name of assignment or project: Export Competitiveness of the Electronic Sector

Year: 2022

Sponsor: Confederation of Indian Industry (CII)

Main Project Features: To prepare a strategic action plan to expand India's export competitiveness in the Electronics Sector in next 3 years. The action plan to largely focus on the mission, vision and objectives of National Policy of Electronics (NPE 2019). The plan should aim to accelerate and advance the Global Value Chain eco-system for trade and building export competitiveness. To identify specific

issues/bottlenecks impacting the export potential of Electronics Sector like areas impacting Export competitiveness and provide actionable recommendations aimed at addressing the above bottlenecks.

Positions Held: Project Leader

Name of assignment or project: India and the Coronavirus Pandemic: Economic Losses for Households Engaged in Tourism and Policies for Recovery

Year: 2021

Sponsor: Ministry of Tourism, Government of India

Main Project Features: To estimate the sector-wise and overall loss in income of the economy and of the household sector and also the loss in jobs, due to the impact of Coronavirus pandemic on the tourism sector. Also estimate the impact of gradual opening up of domestic tourism activities and of the sectors related to tourism. To propose policy measures to provide relief to the tourism sector, in general, and households involved in tourism related activities, in particular.

Positions Held: Project Leader

Name of assignment or project: Preparation of Tourism Satellite Account, Education Satellite Account and Health Satellite Account for Uttarakhand for 2017-18

Year: 2021

Sponsor: Directorate of Economics and Statistics, Department of Planning, Government of Uttarakhand

Main Project Features: To prepare the satellite accounts for Tourism, Education and Health in order to estimate their shares in the state GDP.

Positions Held: Project Leader

Name of assignment or project: Preparation of Tourism Satellite Account, Education Satellite Account, Health Satellite Account and Input-Output Transactions Table for Himachal Pradesh for 2017-18

Year: 2021

Sponsor: Department of Economics and Statistics, Government of Himachal Pradesh

Main Project Features: To prepare the satellite accounts for Tourism, Education and Health in order to estimate their shares in the state GDP. Also prepare the Input-Output Table for the state.

Positions Held: Project Leader

Name of assignment or project: Third Tourism Satellite Account for India and for all the states/UTs of India

Year: 2018

Sponsor: Ministry of Tourism

Main Project Features: To estimate the contribution of Tourism sector in the GDP and employment of the country using the UNWTO recommended methodology. Both direct and indirect contribution are to be estimated. The scope of work involves the preparation of TSA Tables and Accounts using the Supply and Use Tables framework.

Positions Held: Project Leader

Name of assignment or project: Economic Benefits of “Monsoon Mission” and Investment in High-Performance Computing Machines at Ministry of Earth Science.

Year: 2020

Sponsor: Ministry of Earth Science

Main Project Features: To estimate the incremental economic and social benefits that focusses on the way that the earth science system and its constituent parts have interacted subsequent to setting up of the “Monsoon Mission” at IITM in 2012 and investments made in “High-Performance Computing HPC”.

Positions Held: Project Leader

Name of assignment or project: District-driven Growth - A Pilot study for Making India a \$5 trillion Economy

Year: 2021

Sponsor: Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry

Main Project Features: To identify the potential growth sectors in the three pilot districts of Solan (HP) and Ratnagiri and Sindhudurg (Maharashtra) and propose recommendations for growth to meet the objective of accelerating their GDP growth by 2-3 per cent. Based on the recommendations proposed, the study also aims to implement them in the districts by providing handholding support to the District Administration. This involves capacity building, convergence of the interventions with the existing schemes of both State and Central Government.

Positions Held: Project Leader

Name of assignment or project: The Economic Impact of Kempegowda International Airport, Bengaluru (KIAB)

Year: 2021

Sponsor: Bangalore International Airport Limited (BIAL)

Main Project Features: – To estimate the direct and indirect economic impact of KIAB on national, state and regional economies with respect to their GDP and employment. The study also aims to make projections for next 5 years on traffic movement and revenue generation.

Positions Held: Project Leader

Name of assignment or project: Monitoring and Evaluation of schemes in Handloom Clusters

Year: 2018

Sponsor: DC (Handloom), Ministry of Textiles

Main Project Features: The study involved concurrent monitoring on quarterly basis and impact evaluation of Cluster Development Schemes implemented in 256 handloom clusters across many states of India.

Positions Held: Co-Project Leader

Name of assignment or project: State Investment Potential Index

Year: 2015

Sponsor: DFID

Main Project Features: To prepare state indices on growth and potential and give state relative ranking.

Positions Held: Co-Project Leader

Name of assignment or project: Civil Aviation Satellite Account – A feasibility Study

Year: 2015

Sponsor: Directorate General of Civil Aviation (DGCA)

Main Project Features: To assess the feasibility of India's first ever Civil Aviation Satellite Account

Positions Held: Project Leader

Name of assignment or project: "Impact of investment in Housing Sector on GDP and Employment".

Year: 2014

Sponsor: Ministry of Housing and Urban Poverty Alleviation

Main Project Features: The study aims to measure the impact of increased investment in Housing sector on GDP and employment through the Input-Output Model.

Positions Held: Project Leader

Name of assignment or project: Second Tourism Satellite Account for India, 2009-10

Year: 2012

Sponsor: Ministry of Tourism

Main Project Features: The study involved preparation of Tourism Satellite Accounts for India.

Positions Held: Project Leader

EDUCATION

Ph.D in Economics, Jamia Millia Islamia, New Delhi, 2011

Dissertation: Contribution of Tourism to Indian Economy

M.Sc (Operations Research), Hindu College, Delhi University, 1996

B.Sc (Statistics), Hindu College, Delhi University, 1994

RESEARCH PAPERS/BOOK CHAPTERS/ARTICLES

- Poonam Munjal, Manoj Pant, Asrar Alam: “Education Satellite Account for Uttarakhand”, The Journal of Income and Wealth, Volume 43, No. 1&2, January-December 2021.
- Poonam Munjal, Vanya Gupta: “Determinants of Female Labour force participation rates in India - A district-level analysis”, paper presented at the 61st Annual Conference, organised by Indian Society of Labour Economics (ISLE), during 7-9 December 2019 in Punjabi University, Patiala, Punjab.
- Poonam Munjal: “The impact of presence and hypothetical absence of Tourism in Indian Economy”, book chapter in “Applications of the Input-Output Framework”, ed. Mukhopadhyay Kakali, 2018, published by Springer Singapore.
- Poonam Munjal: “The impact of presence and hypothetical absence of Tourism in Indian Economy”, paper presented at 19th National Conference of Input-Output Research Association of India, held in Gokhale Institute of Politics and Economics, Pune, Maharashtra, during 11th – 12th January, 2017.
- Saumya Dhanaraj, Vidya Mahambare, Poonam Munjal: “From Income to Household Welfare: Lessons from Refrigerator Ownership in India”, Journal of Quantitative Economics (2017), DOI 10.1007/s40953-017-0084-5
- Poonam Munjal: “Backward and Forward Linkages of Tourism in Indian Economy”, paper presented at 11th International Conference on Tourism 2015, held in Athens, Greece during 8th to 11th June, 2015.
- Vidya Mahambare and Poonam Munjal: “From Income to Welfare: How the Government can help”, paper presented at 5th Annual Finance Conference 2015, held on 27th January, 2015, at Great Lakes Institute of Management, Chennai. Awarded the best paper award at the conference.
- Ramesh Kolli and Poonam Munjal: “Input Output Tables and Tourism Satellite Accounts: Case Study of India”, paper presented at ISI Regional Statistics Conference 2014, held during 16-19 November, 2014, in Kuala Lumpur, Malaysia.
- Ramesh Kolli, Poonam Munjal, Amit Sharma : “Tourism Satellite Account of India”, Volume 8, No. 3, August 2014, Margin, The Journal of Applied Economic Research, Sage Publication.
- Poonam Munjal : “Measuring the economic impact of Tourism sector in India using Tourism Satellite Account and Input-Output Analysis”, Poonam Munjal, Vol 19 No. 6, December 2013, Tourism Economics (IP Publishing Ltd.).
- M.S. Bhatt and Poonam Munjal : “Social Accounting Matrix to Study the Socio-economic Linkages of Tourism Sector – A case study of India”, Volume XLVIII, Number 2, July-Dec 2013,

- Indian Economic Review, Delhi School of Economics, University of Delhi.
- Poonam Munjal and Amit Sharma: “Drivers of Poor Manufacturing growth”, Jan 2014, Macro Track, NCAER, New Delhi.
- Poonam Munjal : “Tourism Profile of Madhya Pradesh”, Sept 2013, Macro Track, NCAER, New Delhi
- Poonam Munjal and Rachna Sharma : “States Barometer of Misery level”, June 2013, Macro Track, NCAER, New Delhi
- Poonam Munjal : “India’s Tourism Satellite Account”, Nov 2012, Macro Track, NCAER, New Delhi
- Ramesh Kolli, Poonam Munjal, Amit Sharma : “Approach to compile Regional Tourism Satellite Accounts – Experience from the State TSAs of Kerala and Madhya Pradesh, 2009-10”, Vol. 35 No. 1, January-June 2013, The Journal of Income and Wealth, Indian Association for Research in National Income and Wealth, Central Statistical Office, New Delhi.
- Poonam Munjal : “Youth Tourism in India”, Volume 34, No. 1, January-June 2012, The Journal of Income and Wealth, Indian Association for Research in National Income and Wealth, Central Statistical Office, New Delhi.
- CRISIL Economic Research Team : “Skilling India – The Billion People Challenge”, November 2010, research report published by CRISIL Ltd.
- CRISIL Economic Research Team : “India – Raising the growth bar”, January 2011, research report published by CRISIL Ltd.
- Poonam Munjal : “Structural Changes in Indian Economy – An Input-Output analysis”, Volume XXXXII, Number 1, January-June 2007, Indian Economic Review, Delhi School of Economics, University of Delhi.
- Anushree Sinha, Poonam Munjal and P.C. Parida : “Developing State Level Input-Output Tables: Multiplier Analysis for Karnataka, Uttarakhand and Jharkhand” (2009), edited by Anushree Sinha, published by NCAER, New Delhi.
- Anushree Sinha, K. A. Siddiqui and Poonam Munjal : “A SAM Framework for the Indian Informal Economy”, book chapter in “Trade Liberalization and India’s Informal Economy” edited by Barbara Harriss-White and Anushree Sinha, published by Oxford University Press.
- Anushree Sinha and Poonam Munjal : “Informal and Homebased Workers Amidst Reforms”, Vol 38, Number 3, April-June 2006, Margin, NCAER, New Delhi.
- Poonam Munjal, K.A. Siddiqui and Rajesh Shukla : “The Economic Value of Tourism in India”, prepared for the Ministry of Tourism, Government of India.
- Anushree Sinha and Poonam Munjal : “Impact of Policy changes on the Informal Economy: Informalisation – A sectoral Perspective”, 2004, prepared for 7th Meeting of Delhi Group.

Newspaper Articles

- “Fix from ground up: A \$5-trillion economy target by 2025 for India is not unachievable” by Poonam Munjal and Nijara Deka, **Down to Earth**, August 1-15, 2022
- “Skilling Atmanirbharta” by Poonam Munjal and Asrar Alam, **Financial Express**, August 8, 2022.
- “Aspirational Districts Programme: Urgent Need for District Perspective Plans” by Bornali Bhandari and Poonam Munjal, **Qrius** (Online), July 15, 2022.
- “NCAER Study: State of Education, Health and Tourism in Uttarakhand”, **HT Insights**, The Hindustan Times, January 06, 2022.
- “Why we need to boost Cashew Export in Konkan region of the state?”, Poonam Munjal and Nijara Deka, **Qrius**, December 24, 2021.
- “NCAER Study: State of Education, Health and Tourism in Himachal Pradesh”, **HT Insights**, The Hindustan Times, December 17, 2021.
- “Tourism Sector can go places with new ideas”, Poonam Munjal and Anupma Mehta, **The**

Pioneer, December 11, 2021.

- “Health Expenditure through the lens of Health Satellite Account”, Poonam Munjal and Palash Baruah, **Counterview.org**, November 26, 2021.
- “Jobs boost from Tourism sector”, **The Statesman**, December 10, 2018.
- “Lifestyle diseases are the new normal; how this is affecting the average and even deprived sections” by Poonam Munjal and Palash Baruah, **Financial Express**, November 20, 2017.
- “New GDP numbers: No final word yet”, **The Financial Express**, February 8, 2016
- “As a Counter-View, Here’s how states fare on the Misery Index”, **The Economic Times**, October 12, 2013
- “Holiday for Mr. Young”, **Financial Express**, September 02, 2011.
- “Margin Calls”, **Financial Express**, December 30, 2010.
- “Inflation Proofing or Inflation Triggering”, **Financial Express**, July 15, 2010.
- “Industrial Recovery – Stronger and less volatile”, **Business Standard**, April 24, 2010.
- “Just a transient phase”, **Business Standard**, July 09, 2009.
- “The Global Food Threat”, **Business Standard**, March 20, 2008.

OUTREACH ACTIVITIES

Delivered lecture to the participants of Management Development Programme, organized by Indian Institute of Tourism and Travel Management, on “Significance of TSA Framework in Estimating Tourism Impacts with Special Reference to India”, on 28th December, 2020. The participants included officials from Ministry of Tourism, Government of India, at Deputy Director General and Additional Director General levels, from national and international locations.

Invited as Discussant in a Special Lecture by Prof Amita Singh - 'Administrative Reforms towards Atmanirbhar Bharat', organised by Impact and Policy Research Institute (IMPRI) on 14th October, 2020.

Invited as Panelist in the Webinar on “Linking Tourism, Local Environment and Waste Generation in the Indian Himalayan States Using CGE Model: Case-study of Uttarakhand”, organised by ICRIER in collaboration with the Uttarakhand Environment Protection and Pollution Control Board on 10th July, 2020.

Invited as one of the Trainers in the International Training Workshop on Tourism Satellite Account, organised by UNESCAP, held during 9th to 11th Dec, 2019, in Bangkok. The participants were from Asia Pacific countries – Maldives, Vietnam, Laos, Thailand, Cambodia, New Zealand, Bhutan, Bangladesh, Nepal, Sri Lanka etc.

Member of the “Index of Industrial Production (IIP)” Working Group on Base revision, constituted by Central Statistics Office, Ministry of Statistics and Programme Implementation, Government of India.

Member of the Steering Committee for Industrial Park Rating System (IPRS) 2.0, constituted by Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India.

Participant of ‘International Visitor Leadership Program (IVLP)’ on “Financial Sector” in Dec 2009 – A 3-week program conducted in US involving meetings with senior officials in government bodies, regulatory

bodies, academic and research institutions, business groups and banking system in the US across the states of US. The program is the U.S. Department of State's premier professional exchange program that seeks to build mutual understanding between the U.S. and other nations through carefully designed short-term visits to the U.S.

Attended a 2 Week Training Program 'Regional Impact Evaluation and Survey Methods Workshop' of the World Bank and organized by NCAER in Delhi. The objective of this two week program was to give participants an overview on the cutting-edge methods for impact evaluation and data collection. The course included sessions on designing evaluations, building results chains, constructing samples, and developing questionnaires taught through a mix of lectures, small and large group discussions, and hands-on application of the practical skills of impact evaluation to participants' own projects.

Participated in Monitoring, Evaluation, Accountability and Learning (MEAL) workshop, organised by SDPI, Pakistan during 1st to 3rd November, 2017, in Bangkok. There were a total of 17 participants from India (6 participants); Nepal (1); Bangladesh (2); Sri Lanka (2); and Pakistan (6).

Life Member, Indian Association for Research in National Income and Wealth (IARNIW), Central Statistics Office, New Delhi

Poonam Munjal