

LAXMI JOSHI

Current Position: Fellow, National Council of Applied Economic Research (NCAER)

Education:

Level	Year of passing	Institute/ University	Subject(s) with major field
Ph.D.	1999	G.B.P.U.A .T, Pantnagar	Agricultural Economics
Masters	1996	G.B.P.U.A .T, Pantnagar	Rural Banking and Agricultural Economics

- M. Sc. Thesis: Ground Water Resource Utilization in the Context of Sustainable Crop Production in U.P.
- Ph.D. Thesis: Growth and Determinants of Total Factor Productivity of Crop Sector in the Selected States of India.

Details of Employment

S. No	Organization name	Position held	From- to
1.	National Council of Applied Economic Research (NCAER), New Delhi	Fellow	April 2018 - Present
2.	National Council of Applied Economic Research (NCAER), New Delhi	Associate Fellow	July 2006 –March 2018
3.	National Commission on Farmers, (NCF), Government of India, New Delhi	Research Officer	December 2004- June 2006
4.	National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi	Senior Research Associate	July 1999-June, 2006

List of Projects

S. No	Name of the Project
	As Project Leader / Co-Leader/ Principal Investigator
1.	A Study Proposal of the Fishery Sector in India: an overview of current demand and its future prospect, by Department of Fisheries, Ministry of Animal Husbandry Dairy and Fisheries (Ongoing)
2.	Improving Economic Viability of Gaushalas for Production and Promotion of Bio-Fertilisers, by NITI Aayog (Ongoing)
3.	White Paper on Farm Mechanisation in India by Mahindra and Mahindra (Ongoing)
4.	Study to Assess the Availability of Resources for Creating the Assets and Initiatives taken for Generating Various Own Sources of Revenue by Ministry of Panchayati Raj
5.	NCAER Study on Evaluation of India's Rashtriya Gram Swaraj Abhiyan (RGSA) to Strengthen Grass-Root Level Governance by Ministry of Panchayati Raj
6.	Study on the Competitive Landscape in Cement Sector by Ambuja Cement
7.	Economic Impact of proposed Refinery at Ratnagiri district in the state of Maharashtra by the Ratnagiri Refinery & Petrochemicals Ltd. (RRPCL), 2020.
8.	A Study on Socio-Economic Impact and Economic and Financial Analysis of National Dairy Plan (NDP I) by National Dairy Development Board (NDDB), 2019-20.
9.	Convergence of Agricultural Interventions In Maharashtra (CAIM) by IFAD, Government of Maharashtra and Shri Ratan Tata Trust,2018-19.
10.	A study for establishing a separate authority for the office of Central Registrar to

	administer the Multi-state Cooperative Societies funded by the Ministry of Agriculture and Farmers' Welfare, 2017-18.
11.	Promoting Paddy: An Impact Assessment of Paddy Varieties and Packages of Practices developed by NARS funded by the Indian Council of Agriculture Research, 2016-17.
	As Core Team Member
1.	State Level Readiness of Direct Benefit Transfers in Indian States and Union Territories, sponsored by Bills & Melinda Gates Foundation, 2018.
2.	Agriculture outlook and situation analysis for food security funded by the Ministry of Agriculture and Farmers' Welfare, 2012-17.
3.	Impact Assessment and Economic Benefits of Weather and Marine Services funded Ministry of Earth Science (MoES), 2010.
4.	Incorporating International Best Practices in the Preparation of Agricultural Outlook and Situation Analysis Reports for India funded by the FAO, 2012-2017
5.	India's Cotton Revolution: Outcomes and Insights funded by Association of Biotech Led Enterprises, Bengaluru, 2010-12
6.	Policy Instruments to Address Air Pollution Issues in Agriculture- Implications for Happy Seeder Technology Adoption in India funded by Australian Centre for International Agricultural Research and Australian High Commission in India, New Delhi, 2011-12.
7.	India-MERCOUR SACU Trade Cooperation in Agriculture funded by Ministry of Commerce and Industry, 2010.
8.	Evaluating Performance of National Rural Employment Guarantee Act funded by Public Interest Foundation, 2008-09.
9.	Relationship between Consumption and Agricultural Fertilizer Production on the basis of Econometric Analysis funded by Ministry of Finance, 2008-09.
10.	Resource Allocation in Agricultural Research, ICAR National Professor project, 2002-05.
11.	NAIP- IFPRI collaborative project on Diversification of Agriculture in South Asian Countries, 2001-2003
12.	NAIP- ICRESET collaborative project on Early Impact Assessment of Extra Short Duration Pigeon Pea- A study of ICPL 88039, 2001-02
13.	Analysis of Productivity Changes and Future Sources of Growth for Sustainable Rice-Wheat Cropping System in Indo-Gangetic Plain, World Bank aided project, 1999-2002.
14.	NAIP, and ICRISAT collaborative funded by International Water Management Institute (IWMI)

Trainings Attended:

Research Methodology for Socio-Economic Studies at National Council of Applied Economic Research, New Delhi organized by IASRI, New Delhi from 19th October to 4th November 2010.

Refresher course in Applied Econometrics on Decentralization and Rural Development taught by Professor Kaliappa Kalirajan, Australian National University organized at National Council of Applied Economic Research, New Delhi from 23rd November to 3rd December 2010.

Training on Poverty and Inequality Measurement at National Council of Applied Economic Research, New Delhi organized by Cornell University from 14th March to 18th March 2011.

Training on Applied Econometrics and Policy at National Council of Applied Economic Research, New Delhi organized by Cornell University from 23rd May to 28th May 2011.

Training on Limited Dependent Variables at National Council of Applied Economic Research, New Delhi organized by Cornell University from 8th December to 16th December 2011.

Ag-link COSIMO Model training and Capacity training workshop on improved capacity in undertaking medium-term projections and access to global market information at National Council of Applied Economic Research, New Delhi organized by OECD/FAO from 16th September to 23rd September 2013.

Training Provided

Two days of training on the COSIMO model was organized for seven officers from the Directorate of Economics and Statistics at NCAER in October 2015

A one-day training session on Short-term Price Projections by using ARIMA and Harmonic Model was organized for officers from the Directorate of Economics and Statistics at NCAER in April 2016.

The second training on the COSIMO model was organized for officers from the Directorate of Economics and Statistics at NCAER from 28th to 30th June 2016

Research Publications

1. A. K. Singh and Laxmi Joshi (1997), Nature and Extent of Groundwater Resource Scenario due to Technological Change in Uttar Pradesh. Indian Journal of Agricultural Economics, 52(3) July-September.
2. A. K. Singh and Laxmi Joshi (1998), An Assessment of Institutional Management's Impact on the Use of Ground Water Resource for Sustainable Agriculture Development in Uttar Pradesh. Indian Journal of Agricultural Economics, 53 (3), July-September.
3. Pratap S. BIRTHAL and Anjani Kumar and Laxmi Joshi (2001), an edited book on Livestock in Different Farming System, Advance Publishing Concept and Agricultural Economics Research Association (India), New Delhi.
4. P.K. Joshi, Laxmi Joshi, and B.C. Roy (2002), Measuring Sustainability of Rice-Wheat Based Cropping System. In: Acharya, S.S., Surjit Singh and Vidya Sagar (Eds) Sustainable Agriculture, Poverty and Food Security: Agenda for Asian Economies Vol II. Rawat Publications, Jaipur, 831-847.
5. P.K. Joshi and Laxmi Joshi (2002), Agricultural diversification in Uttar Pradesh- Nature, Constraints, and Opportunities. In: Singh, G.B., Subhash Chandra, I.N. Mukherjee, J.P. Jaiswal. Strategies for Agricultural Production and Marketing in the State of Uttar Pradesh in context of WTO. Published by U.P. Council of Agricultural Research.
6. P. K. Joshi, Laxmi Joshi, A. K. Jha and R. L. Shiyani (2003), Impact of Watershed Program and Peoples' Participation. In Pal, Suresh, Mruthyunjaya, P.K. Joshi and Raka Saxena (eds) Institutional Change in Indian Agriculture, Published by NCAP.
7. P.K. Joshi, Ashok Gulati and Pratap S. BIRTHAL and Laxmi Joshi (2003), Agriculture Diversification in South Asia: Patterns, Determinants and Policy Implications. MSSD Discussion paper no.57. Published by International Food Policy Research Institute.
8. K. K. Datta, Laxmi Joshi and P.K. Joshi (2004), Impact of Subsurface Drainage on Improvement of Crop Production and Farm Income in northwest India. Irrigation and Drainage Systems, 18: 43-45.

9. P.K. Joshi., Ashok Gulati, Pratap Singh Birthal and Laxmi Tewari, 2004. Agriculture Diversification in South Asia: Patterns, Determinants and Policy Implications. Special Articles, Economic and Political Weekly, June 12, 2457-2467. (With P.K.Joshi, Ashok Gulati and Pratap S. Birthal, 2004)
10. P. K. Joshi, A. K. Jha, Laxmi Joshi and S. P. Wani (2005), Meta-Analysis to Assess Impact of Watershed Program and People's Participation. Comprehensive Assessment Research Report 8. Colombo, Sri Lanka: Comprehensive Assessment Secretariat.
11. P. K. Joshi, Ashok Gulati and Pratap S. Birthal and Laxmi Joshi (2005), Agricultural Diversification in South Asia: Patterns, Determinants and Policy Implication. In Babu, Suresh Chandra and Ashok Gulati (Edited) Economic Reforms and Food Security: The Impact of Trade and Technology in South Asia.
12. P.K. Joshi, Laxmi Joshi and Pratap S. Birthal (2006), Diversification and Its Impact on Smallholders: Evidence from a Study on Vegetable Production. Agricultural Economic Research Review, July- December, 19 (2), 219-236.
13. Laxmi Joshi (2008), Diversification and Its Impact on Small Holders, Macrotrack, January 2008.
14. Anil Sharma, Laxmi Joshi and Ajay Sahu (2009), NCAER-PIF Study on Evaluating Performance of National Rural Employment Guarantee Act. Book Published by NCAER.
15. Laxmi Joshi, Book Review entitled, "Agriculture and Food in India: A Half-Century Review from Independence to Globalization", in Margin- The Journal of Applied Economic Research, 4: 2 (2010), 263-273.
16. Laxmi Joshi (2011), Pricing of Irrigation Water in India, Macrotrack, July 2011.
17. Parmod Kumar and Laxmi Joshi (2012), Existing Legislation on Air Pollution and Punjab Government Policy on Agriculture Waste Burning. Indian Journal of Environmental Protection IJEP. 32(4): 327-3743.
18. S Nag, D Roy, L Joshi, PC Parida, HK Nagarajan (2015) An Analysis of Total Factor Productivity, Factor demand, and Profit of India's Agriculture, Journal of Business and Economics, pp 360.
19. Parmod Kumar, Surender Kumar and Laxmi Joshi (2015), Socioeconomic and Environmental Implications of Agricultural Residue Burning: A case study of Punjab, Published by Springer. 2015.
20. Pallavi Choudhuri and Laxmi Joshi, Concept Note by on SMALL AND MARGINAL FARMERS – CASE FOR INCLUSION National Council of Applied Economic Research for The Bill and Melinda Gates Foundation, May 2016
21. Laxmi Joshi and V.P. Ahuja, Big Boost to Agriculture in the Union Budget 2017-18, Yojana, March, 2017.
22. Rajesh Chadha and Laxmi Joshi (2017), A solution at last for low farmer incomes? Why the food processing sector is critical for a developing India Rising consumer incomes are creating bigger markets for processed foods, Qrius, Thursday, 7 December 2017
23. Laxmi Joshi (2018), Nutrient Rich Crops: Coarse Cereals and Millets, International Journal of Tropical Agriculture, Volume 36, Number 1.
24. Saurabh Bandyopadhyay and Dr Laxmi Joshi (2020), Distressed districts of Vidarbha under the Convergence of Agricultural Intervention (CAIM): A synoptic view of principal indicators linked

to living conditions of the poor and marginalised sections in this region, Journal of Economic & Policy Analysis, Vol. 1, No. 1.

25. Saurabh Bandyopadhyay and Laxmi Joshi. How National Dairy Plan-I was effective in preserving Sustainable Development Goals (SDGs) on the Rural Economy of India? An insight into the process. Submitted to Regional Economic Development Research. (Under process)
26. Saurabh Bandyopadhyay, Pradip Kumar Biswas, Devender Pratap, Laxmi Joshi, Ajaya K Sahu, Economic Impact Analysis of a Mega Project on Petroleum Refinery: A Case study of the Proposed Ratnagiri Refinery in Maharashtra (Under process)

Project Report at NCAER

1. Impact Assessment and Economic Benefits of Weather and Marine Services funded, December, 2010.
2. Agricultural Outlook and Situation Analysis Reports: Quarterly Agricultural Outlook Report from 2013-2017 under the Project Commissioned by The National Food Security Mission, Ministry of Agriculture and Farmers' Welfare
3. Agricultural Outlook and Situation Analysis Reports: Medium –term Outlook Reports from 2013-2016 under the Project Commissioned by The National Food Security Mission, Ministry of Agriculture and Farmers' Welfare
4. Promoting Paddy: An Impact Assessment for India: An evaluation of new paddy varieties and packages of practice from the Indian Council of Agricultural Research and State Agricultural Universities, April 2017.
5. NCAER study for Establishment of a Separate Authority for the Office of the Central Registrar of Cooperative Societies, July 2018.
6. Impact Evaluation of the Maharashtra CAIM Programme: The Convergence of Agricultural Interventions in Maharashtra, December 2019
7. Analysing Socio-Economic Impact of the NDP-1: The National Dairy Plan of India, February 2020.
8. Economic Impact Analysis of the Proposed Ratnagiri Refinery in Maharashtra: Implications for the State Economy, January 2021
9. Study on the Competitive Landscape in Cement Sector, November 2021
10. NCAER Study on Evaluation of India's Rashtriya Gram Swaraj Abhiyan (RGSA) to Strengthen Grass-Root Level Governance, September 2021.
11. Study to Assess the Availability of Resources for Creating the Assets and Initiatives taken for Generating Various Own Sources of Revenue, Final Draft Report, February, 2022.

Project Reports at National Commission on Farmers and National Institute of Agriculture and Policy Research

1. Serving Farmers and Saving Farming, First Report, December 2004; National Commission on Farmers, Ministry of Agriculture and Farmers Welfare, GOI.

2. Serving Farmers and Saving Farming from Crisis to Confidence, Second Report; August 2005, Ministry of Agriculture and Farmers Welfare, GOI.
3. Serving Farmers and Saving Farming 2006: YEAR OF AGRICULTURAL RENEWAL, Third Report, December 2005, Ministry of Agriculture and Farmers Welfare, GOI.
4. Serving Farmers And Saving Farming: JAI KISAN: A DRAFT NATIONAL POLICY FOR FARMERS; Fourth Report, April 2006, Ministry of Agriculture and Farmers Welfare, GOI.
5. JAI KISAN A DRAFT NATIONAL POLICY FOR FARMERS, April 2006, Ministry of Agriculture and Farmers Welfare, GOI.
6. Serving Farmers and Saving Farming: Towards Faster and More Inclusive Growth of Farmers' Welfare, Fifth and Final Report (Vol I and II), October 2006, Ministry of Agriculture and Farmers Welfare, GOI.
7. Research Resource Allocation Brief 1: Scientific Manpower Resources of ICAR: Attributes and allocation. (with Dayanatha Jha, S. K. Pandey, P. Gulia and Surabhi Mittal, 2004)
8. Research Resource Allocation Brief 2: Financial Resources of ICAR. (with Dayanatha Jha, S. K. Pandey, P. Gulia and Surabhi Mittal, 2004)
9. Research Resource Allocation Brief 3: Scientific Manpower Resources of SAUs: Attributes and allocation. (with Dayanatha Jha, S. K. Pandey, and Sanjeev Garg, 2004)
10. Research Resource Allocation Brief 4: Financial Resources of SAUs. (with Dayanatha Jha, S. K. Pandey, and Sanjeev Garg, 2004)

Thesis Guidance:

Socio Economic Conditions of Farmers in Pabla Begmabad of Bagpat District in Uttar Pradesh by Anuj Sharma, 2009. Dissertation Submitted to Madurai Kamaraj University.

General Information

Award

Dr. R.T Doshi Foundation Award 2007, for the best research article published in Agricultural Economic Research Review, Diversification and Its Impact on Smallholders: Evidence from a Study on Vegetable Production, AERR, Vol (19), July –December 2006 pp 219-239. (With Dr. P.K. Joshi and Pratap S. Birthal from NCAP)

Membership

1. Life Member of Agricultural Economics Research Association.
2. Member of an Area Advisory Board for UG program for the stream of Agricultural Economics, Industrial Economics, and Development Economics at Amity School of Economics, Amity University, Sector-125, Noida, Uttar Pradesh, since 2018.

Computer Skills

Statistical Packages: SPSS, Eviews,

References

1. **Prof Shashanka Bhide**
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2. **Dr. P. K. Joshi**
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Office, New Delhi.
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