

## LAXMI JOSHI

- Current Position: Associate Fellow in National Council of Applied Economic Research (NCAER)
- Academic and Professional Training: M Sc. and Ph.d in Agricultural Economics, from G.B.Pant University of Agriculture and Technology, Pant Nagar, Uttarakhand, India
- **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 Selected States of India.

### Details of Employment

Office/Institute	Post Held	From	To
National Centre for Agricultural Economics and Policy Research (NCAP), New Delhi	Research Associate	July' 1999	12 <sup>th</sup> December, 2004
National Commission on Farmers, (NCF), Government of India	Research Officer	13 <sup>th</sup> December, 2004	30 <sup>th</sup> June, 2006
National Council of Applied Economic Research (NCAER), New Delhi	Associate Fellow	3 <sup>rd</sup> July, 2006	Till date

### Projects at NCAER

#### Project Completed

- **Ministry of Finance** study on Relationship between Fertilizer Consumption and Agricultural Production on the basis of Econometric Analysis (With Dr. Anil Sharma and Ajay Sahu).
- **NCAER-PIF Study** on Evaluating Performance of National Rural Employment Guarantee Act. (With Dr. Anil Sharma and Ajay Sahu).
- **Ministry of Earth Science study** on Impact Assessment and Economic Benefits of Weather and Marine Services. (With Dr. R. Venkatesan and Team).
- **Australian Centre for International Agricultural Research Study** on Policy Instruments To Address Air Pollution Issues In Agriculture- Implications For Happy Seeder Technology Adoption In India. ( with Dr. Pramod Kumar)

#### Ongoing Projects

- **Association of Biotech Led Enterprises, Bengaluru sponsored study** on India's Cotton Revolution: Outcomes and Insights. ( With Dr. Anil Sharma and Ajay Sahu)

- **National Food Security Mission (NFSM), Ministry of Agriculture, commissioned study on Agricultural Outlook and Situation Analysis ( With Dr. S. Bhide and Team)**

## **Past Experience:**

*5.6 months research experience at NCAP on various innovative research areas namely; 'Radar Approach' to measure sustainability; 'Meta Analysis' to assess impact of watershed, 'Total Factor Productivity' to measure the technological change; Congruence approach for priority setting in Uttaranchal agriculture; Diversification of agriculture in India and in South Asian countries and Resource Allocation in Agricultural Research.*

### **Projects Completed National and International (at NCAP)**

- **World Bank aided project:** Analysis of Productivity Changes and Future Sources of Growth for Sustainable Rice-Wheat Cropping System in Indo-Gangetic Plain.
- **National Professor Project:** Resource Allocation in Agricultural Research
- **Planning Commission, Government of India funded:** Revitalizing Agriculture of Uttar Pradesh and Uttaranchal: Problems and Prospects.
- **National Centre for Agricultural Economics and Policy Research (New Delhi), and International Crops Research Institute for the Semi-Arid Tropics (Patancheru)** Collaborative project: Early Impact Assessment of Extra Short Duration Pigeonpea- A study of ICPL 88039.
- **National Centre for Agricultural Economics and Policy Research (New Delhi), and International Food Policy Research Institute, (Washington)** Collaborative project: Diversification of Agriculture in South Asian Countries

### **At National Commission on Farmers**

*1.6 month worked as Research Officer at National Commission on Farmers headed by Prof. M.S. Swaminathan. Main task of the commission is to review the status of the Indian agriculture, analyze the effectiveness of past policies and programmes and study the various problems faced by the Indian Farmers.*

### **Provided Technical Assistance in various reports of National Commission on Farmers**

- **Serving Farmers and Saving Farming:** submitted to the Ministry of Agriculture, Government of India in the month of August, 2005.
- **Serving Farmers and Saving Farming – “Crisis to Confidence:** submitted to the Ministry of Agriculture, Government of India in the month of August, 2005.
- **Serving Farmers and Saving Farming – 2006: Year of Agricultural Renewal:** submitted to the Ministry of Agriculture, Government of India in the month of December, 2005.

- Serving Farmers and Saving Farming – JAI KISAN: A DRAFT NATIONAL POLICY FOR FARMERS: Report submitted to the Ministry of Agriculture, Government of India in the month of April, 2006.
- Serving Farmers and Saving Farming – Towards Faster and More Inclusive Growth of Farmers' Welfare Report submitted to the Ministry of Agriculture, Government of India in the month of October, 2006.

## Research Publications: Books and Chapters in Book

- Livestock in Different Farming System, Advance Publishing Concept and Agricultural Economics Research Association (India), New Delhi. ( Edited Book with Pratap S. BIRTHAL and Anjani Kumar, 2001)
- 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.( With P. K. Joshi and B. C. Roy, 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. ( With P.K. Joshi, 2002)
- 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. ( With P. K. Joshi, A. K. Jha and R. L. Shiyani, 2003)
- 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. ( With P.K.Joshi, Ashok Gulati and Pratap S. BIRTHAL, 2005)
- NCAER-PIF Study on Evaluating Performance of National Rural Employment Guarantee Act. Book Published by NCAER.( With Anil Sharma and Ajay Sahu)
- 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.
- Socioeconomic and Environmental Implications of Agricultural Residue Burning : A case study of Punjab, Published by Springer (with Pramod Kumar and Surender Singh) (**Under Process**)

## Published Articles

- Nature and Extent of Groundwater Resource Scenario due to Technological Change in Uttar Pradesh. Indian Journal of Agricultural Economics, 52(3) July-September.( With A.K.Singh, 1997)
- 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. (With A.K.Singh, 1998).
- Agriculture Diversification in South Asia: Patterns, Determinants and Policy Implications. MSSD Discussion paper no.57. Published by International Food Policy Research Institute. ( With P.K.Joshi, Ashok Gulati and Pratap S. BIRTHAL, 2003)
- Impact of Subsurface Drainage on Improvement of Crop Production and Farm Income in North- West India. Irrigation and Drainage Systems, 18: 43-45. ( With K. K. Datta and P.K. Joshi, 2004)

- Joshi. P.K., 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)
- Meta-Analysis to Assess Impact of Watershed Program and People's Participation. Comprehensive Assessment Research Report 8. Colombo, Sri Lanka: Comprehensive Assessment Secretariat. ( With P. K. Joshi, A. K. Jha and S. P. Wani, 2005)
- Diversification and Its Impact on Smallholders: Evidence from a Study on Vegetable Production. Agricultural Economic Research Review, July- December,19 (2), 219-236.( With P.K.Joshi and Pratap S. Birthal, 2006)
- Diversification and Its Impact on Small Holders, Macrotrack, January 2008.
- Existing Legislation on Air Pollution and Punjab Government Policy on Agriculture Waste Burning. Indian Journal of Environmental Protection IJEP. 32(4): 327-3743. (With (Dr. Parmod Kumar).
- Pricing of Irrigation Water in India, Macrotrack, July 2011.

#### **Draft Reports**

- Early Impact Assessment of Extra Short Duration Pigeonpea- A study of ICPL 88039. National Centre for Agricultural Economics and Policy Research, New Delhi, and International Crops Research Institute for the Semi-Arid Tropics, Patancheru. ( With P.K.Joshi, S.S. Dhaiya, Y.S. Chauhan and C.L.L. Gowda, 2001)
- Analysis of Productivity Changes and Future Sources of Growth for Sustaining Rice- Wheat Cropping System. Study sponsored by World Bank under National Agricultural Technology Project.( With P.K.Joshi, R.K.Singh, Jawahar Thakur, Karam Singh and A. K. Giri, 2003)
- Resource Allocation for Agricultural Research: An Empirical Description. Draft report of National Professor Project.( With Dayanatha Jha, S. K. Pandey, and Sanjeev Garg, 2005)
- Revitalizing Agriculture of Uttar Pradesh. Study sponsored by Planning Commission, Government of India, New Delhi. ( With P. K. Joshi, Ashok Gulati, Rita Sharma and A.Q. Alvi, 2006)
- Chapter on Agriculture in Uattarakhand Development Report entitled, An Assessment of Growth Opportunities in Uttaranchal Agriculture, Study sponsored by Planning Commission, Government of India, New Delhi. ( with P. K. Joshi and Pratap Singh Birthal, 2007)
- Project Report entitled, "Impact Assessment and Economic Benefits of Weather and Marine Services. Dec 2010. (With Dr. R. Venkatesan and Team) Report submitted to Ministry of Earth Science.

#### **Brief Reports**

- 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)
- Research Resource Allocation Brief 2: Financial Resources of ICAR. ( With Dayanatha Jha, S. K. Pandey, P. Gulia and Surabhi Mittal, 2004)
- Research Resource Allocation Brief 3: Scientific Manpower Resources of SAUs: Attributes and allocation. ( With Dayanatha Jha, S. K. Pandey, and Sanjeev Garg, 2004)

- 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.

### **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)