

BIO-DATA

Name Dr Sant Kumar
Father's Name Shri Uma Kant Pandey
Designation Principal Scientist
Date of Birth 1st November 1966
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Educational qualifications

Degree	University	Year	Division	Subject
Ph.D.	Banaras Hindu University, Varanasi	1993	–	Agricultural Economics
M. Sc. (Ag.)	Banaras Hindu University, Varanasi	1991	First	Agricultural Economics
B. Sc. (Ag.)	Gorakhpur University, Gorakhpur	1988	First	Agriculture

I. Research Papers in Referred Journals

1. Kumar, Sant and Md. Ejaz Anwer. 2015. Estimation of Productivity and Efficiency Changes of Rapeseed and Mustard Production in India, *Economic Affairs*, 60 (4): 809-820.
2. Kumar, Sant., Mywish Maredia and Sonia Chauhan. 2013. Research Priorities for Faster, Sustainable and Inclusive Growth in Indian Agriculture' *Indian Journal of Agricultural Economics* (Conference Issue), 68(3): 373-388.
3. Kumar, Anjani and Sant Kumar. 2012. Potential Impacts of Bt Brinjal on Economic Surplus: Will it Open the Door for GM Food Crops in India. *Indian Society of Agricultural Economics* (Communicated for IJAS).
4. Kumar, Anjani., M.C.S. Bantilan, Praduman Kumar, Sant Kumar and Shiv Jee. 2012. Food Security in India: Trends, Patterns and Determinants. *Indian Journal of Agricultural Economics* (Conference Issue), 67(3):445-463.
5. Chand, Ramesh, Praduman Kumar and Sant Kumar.2012. Total Factor Productivity and Returns to Public Investment on Agricultural Research in India. *Agricultural Economics Research Review*, **25** (2):181-194.
6. Kumar, Anjani., Sant Kumar, Dhiraj K. Singh and Shiv Jee 2011. Rural Employment Diversification in India: Trends, Determinants and Implications on Poverty. *Agricultural Economics Research Review*, **24**: 83-90 (Conference Number).

6. Kumar, Anjani., Chitra Yadav, Shiv Jee, Sant Kumar and Sonia Chauhan. 2011. Financial Innovation in Indian Agricultural Credit Market: Progress and Performance of Kisan Credit Card. *Indian Journal of Agricultural Economics* (Conference Number)
7. Kumar, Sant, P.A. Lakshmi Prasanna, and Shwetal Wankhade. 2011. Potential Benefits of Bt Brinjal in India – An Economic Assessment. *Agricultural Economics Research Review*, **24** (1): 83-90.
8. Kumar, Anjani., Harbir Singh, Sant Kumar and Surabhi Mittal. 2011. Value Chains of Agricultural Commodities and their Role in Food Security and Poverty Alleviation – A Synthesis. *Agricultural Economics Research Review*, **24** (1): 169-181.
9. Kumar, Sant. 2010. Networking of Agricultural Economists and Policy Research. *Agricultural Economics Research Review*, **23** (1): 191-193.
10. Prasanna, P. A. Lakshmi., Sant Kumar and Aruna Singh. 2009. Rice Production in India — Implications of Land Inequity and Market Imperfections. *Agricultural Economics Research Review*, **22** (Conference Number), pp 431-442
11. Kumar, Sant., and Rashi Mittal. 2009. Role of Agricultural R&D Policy in Managing Agrarian Crisis in India. *Agricultural Economics Research Review*, **22** (1): 121-128.
12. Kumar, Sant. 2009. Potentialities to Raise Wheat Output: Identification and Prioritization of Constraints. *Indian Journal of Agricultural Sciences*, **79** (1):53-57.
13. Kumar, Sant. 2007. Exploring Possibility to Bring Second Green Revolution in India: The Case of Wheat. *Agricultural Situation in India*, **64** (5):71-74.
14. Mruthyunjaya, Sant Kumar, M.T. Rajashekhappa, L.M. Pandey, S. V. Ramana Rao, and Prem Narayan. 2005. Efficiency in Indian Edible Oilseed Sector: Analysis and Implications. *Agricultural Economics Research Review*, **18** (2):153:166.
15. Mruthyunjaya, Sant Kumar, and Shalendra. 2005. Rural Development Through Agriculture-based interventions. *Statistics and Applications*, **3** (172): 15-22.
16. Pandey, L.M., Sant Kumar, and Mruthyunjaya. 2005. Instability, Supply Response and Insurance in Oilseeds Production in India. *Agricultural Economics Research Review*, **18** (Conference Number):103:114.
17. Kumar, Sant, P. K. Joshi and Suresh Pal. 2003. Growing Vegetables: Role of Research, *Economic and Political Weekly*, Vol. XXXVIII (8). February 22-28,
18. Singh, Harbir and Sant Kumar. 2001. Transition in crop-livestock systems in India: Some hypotheses, *Journal of Rural Development*, **34** (1): 67-77.

19. Birthal, Pratap S., O. P. Sharma, and Sant Kumar. 2000. Economics of integrated pest management: Evidences and issues. *Indian Journal of Agricultural Economics*, **55**(4): 644-659.
20. Birthal, Pratap S., O. P. Sharma, Sant Kumar, A. Dhandapani. 2000. Pesticide use in rainfed cotton: Intensity, frequency and determinants, *Agricultural Economics Research Review*, **13**(2): 107-122.
21. Pandey, R K., and Sant Kumar. 1999. Economic analysis of demand patterns for perishable products. *Indian Journal of Agricultural Marketing*, 13(2): 1-5.
22. Bhalerao, M.M., and Sant Kumar. 1992. Commercial bank finance to agriculture in India- An analysis. *Southern Economist*, October, pp. 17-21.
23. Bhalerao, M.M., and Sant Kumar. 1992. NABARD finance in India- An analysis. *The Mysore Economic Review*, October pp. 12-14.
24. Jha, Dayanatha., Sant Kumar and Laxmi Joshi. 2006. Resources for Horticultural Research in India, The Horticultural Society of India, IARI, New Delhi.
25. Mruthyunjaya, Sant Kumar and Shalendra. 2006. Impact of Vegetable Research on Production, Consumption, Income and Employment, The Horticultural Society of India, IARI, New Delhi
26. Kumar, Sant and Sonia Chauhan. 2007. Production performance and Total factor Productivity Growth of Oilseeds in India. In: *Changing Global Vegetable oils Scenario: Issues and Challenges before India*, Indian Society of Oilseeds Research, DOR, Hyderabad (India), p. 239-246.

II. International Exposure:

- Visited **Michigan State University, East Lansing, USA** and attended foreign training in the area of 'Impact Assessment of Agricultural Research and Development' during 4-24 August 2011, in the Department of Agricultural, Food and Resource Economics, Institute of International Agriculture, Michigan State University, East Lansing, USA.
- Visited **Dhaka, Bangladesh** for presenting a Country paper on '**National Agricultural Research System Management in India**' in a consultation meeting organized by SAARC Agriculture Centre (SAC), Dhaka, during 22-23 December 2010.
- Visited **Cornell University, Ithaca, New York, USA** and attended a program on '**Food & Agri Business Management Program: Accessing Global Markets**' jointly organized by Cornell University, Ithaca, New York, and Sathguru Management Consultants, Hyderabad (India), 2-9 May 2007.
- Visited Japan to attend a training program under '**Japan South West Asia Youth Friendship Program in Agriculture**' organized by **Japan International Cooperation Agency (JICA), Japan**, 20 Sept. to 16 Oct 2001.

III. Awards

1. '*R.T. Doshi Award*' (2012) by the Agricultural Economics Research Association (India) for best research article on *Total Factor Productivity and Returns to Public Investment on Agricultural Research in India*, Agricultural Economics Research Review (AERR), 25 (2): 181-194. (Coauthored)
2. '*R.T. Doshi Award*' (2005) by the Agricultural Economics Research Association (India) for best research article on *Efficiency in edible oilseed sector: Analysis and implications*, published in Agricultural Economics Research Review (AERR), 18 (2): 153-166. (Coauthored)
3. '*D.K. Desai Award*' (2000) by the Indian Society of Agricultural Economics (Mumbai) for best research article on *Economics of Integrated Pest Management: Evidences and Issues*, Indian Journal of Agricultural Economics (IJAE), 55 (4): 644-659, October- December. (Coauthored)

IV. Research Briefs

1. **Scientific Manpower Resources of ICAR: Attributes and Allocation (2004)**
Dayanatha Jha, Sant Kumar, Praveen Kumar and Laxmi Joshi
2. **Overview of Financial Resources of ICAR (2004)**
Dayanatha Jha, Sant Kumar, Praveen Kumar and Laxmi Joshi
3. **Scientific Manpower Resources of SAUs: Attributes and Allocation (2004)**
Dayanatha Jha, Sant Kumar, Laxmi Joshi and Praveen Kumar
4. **Overview of Financial Resources of SAUs (2004)**
Dayanatha Jha, Sant Kumar, Laxmi Joshi and Praveen Kumar

V. Book chapters

1. Kumar, Sant. (2016) Priority Setting in Indian Agriculture: Concept and Methods, In: *Application of Analytical Techniques for Decision Making in Agriculture*. Eds. Raju, S.S., Rajni Jain, and Usha Ahuja, Astral International Private Ltd. New Delhi, pp 61-68.
2. Kumar, Sant, Mywish Maredia and Sonia Chauhan. (2016) Research Priorities for Faster, Sustainable and Inclusive Growth in Indian Agriculture, In: *Decision Making in Agriculture Using Quantitative Analysis*. Eds. Rajni Jain, and S.S. Raju, Agrotech Publishing Academy, Udaipur. India, pp. 207-227.
3. Kumar, Sant., Suresh Pal and Rashi Mittal (2011) Role of Agricultural R&D Policy in Managing Agrarian Crisis, In: *Agrarian Distress in India: Problems and Remedies*. Eds. Barah, B.C. and Smita Sirohi, Concept Publishing Company, Pvt. Ltd. New Delhi.
4. Kumar, Sant and Sonia Chauhan. 2007. Production performance and Total factor Productivity Growth of Oilseeds in India. In: *Changing Global Vegetable oils Scenario: Issues and Challenges before India*, Indian Society of Oilseeds Research, DOR, Hyderabad (India), pp. 239-246
5. Jha, Dayanatha, Sant Kumar and Laxmi Joshi. 2006. Resources for Horticultural Research in India. *Crop Improvement and Production Technology of Horticultural Crops*. Eds:

- Chadha, K.L., B.S. Ahloowalia, K.V. Prasad and S K Singh. The Horticultural Society of India, Vol II.
6. Mruthyunjaya, Sant Kumar and Shalendra. 2006. Impact of vegetables research on production consumption income and employment in India. *Crop Improvement and Production Technology of Horticultural Crops*. Eds: Chadha, K.L., B.S. Ahloowalia, K.V. Prasad and S K Singh. The Horticultural Society of India, Vol II.
 7. BIRTHAL, P.S., O.P. Sharma and Sant Kumar. 2005. Economic Evaluation of Integrated Pest Management in Cotton. *In Impact of Agricultural Research: Post Green Revolution Evidence from India* (Eds: P.K. Joshi, Suresh Pal, P.S. BIRTHAL and M.C.S. BANTILAN). Jointly published by NCAP, New Delhi and ICRISAT, Patancheru, pp. 261-279.
 8. Kumar, Sant, Suresh Pal and P. K. Joshi. 2004. Vegetable sector in India: An overview. Eds. Sant Kumar, P. K. Joshi and Suresh Pal. *In: Impact of Vegetable Research in India*. New Delhi: NCAP
 9. Kumar, Sant., P. K. Joshi and Suresh Pal. 2004. Growing vegetables: Role of research. Eds. Sant Kumar, P. K. Joshi and Suresh Pal. *In: Impact of Vegetable Research in India*. New Delhi: NCAP
 10. BIRTHAL, P. S., and Sant Kumar. 2004. Adoption and impact of IPM in cabbage production. Eds. Sant Kumar, P. K. Joshi and Suresh Pal. *In: Impact of Vegetable Research in India*. New Delhi: NCAP
 11. Kar, Amit, Sant Kumar and B. C. Roy. 2001. Problems of marketing vegetables by small and marginal farmers, Eds: Ajit Singh, *In: Problems of Small and Marginal Farmers in Marketing of Fruits and Vegetables*, New Delhi: Books India International.
 12. Kumar, Sant and R. S. Dixit. 1998. Long-term Credit Requirements of Rural India: Role of PLDBs, Ed. G. S. Kainth, *In: India's Rural Cooperatives*, New Delhi: Deep and Deep Publications.
 13. Kumar, Sant and D. K. Mishra. 1998. Role of Cooperatives in Rural Development, Ed. G. S. Kainth, *In: India's Rural Cooperatives*, New Delhi: Deep and Deep Publications.
 14. Dixit, R. S. and Sant Kumar. 1998. Contract and cooperative farming: Problems and prospects. Eds: K. T. Chandy and O. S. Tyagi, *In: Future of Farming in India: Contract or Cooperative Farming*, Indian Social Institute, Lodhi Road, New Delhi.

VI. Book/ Workshop Proceedings

1. Methodological Issues in Assessing Impact of Watershed Programmes (2011) Sant Kumar, Alok K. Sikka and Suresh A. , NCAP, New Delhi.
2. Total Factor Productivity and Contribution of Research Investment to Agricultural Growth in India (2011) Ramesh Chand, Praduman Kumar and Sant Kumar, NCAP, New Delhi
3. Research Resource Allocation in Indian Agriculture (2006), Eds. Dayanatha Jha and Sant Kumar, NCAP, Pusa, New Delhi
4. Impact of Vegetable Research in India (2004) , Eds. Sant Kumar, P. K. Joshi and Suresh Pal. NCAP, New Delhi.

VII. Trainings Organized

S. No.	Topic	Duration	Venue
1	Agricultural policy analysis	7-11 Dec 2009	CSD, New Delhi
2	Orientation to field staff for filling up survey schedule for Bt brinjal study	28-29 Aug 2009	NCAP, New Delhi
3	Impact assessment of improved agricultural technologies	26-28 Aug 2009	NCAP, New Delhi
4	Sensitization on research priority assessment	21-22 June 2000	UAS, Bangalore
5	Research prioritization in irrigated agro-ecosystem	30-31 Mar 1999	CSSRI, Karnal
6	Agricultural research prioritization for different agro eco-regions of India	1-6 Feb 1999	NCAP, New Delhi

VIII. Workshops / Seminars Organized

S. No.	Topic	Duration	Venue
1	Methodological issues in assessing impact of watershed programs	6 August 2010	NASC Complex, New Delhi
2	Linking farmers and agro-based SMEs to markets	17-18 March 2009	NASC Complex, New Delhi
3	Methodological workshop on impact assessment of improved agricultural technology	26-28 Aug 2009	NCAP, New Delhi
4	Impact of vegetable research in India	1-2 March 2002	IIVR, Varanasi
5	Impact of agricultural research	10-11 Feb 2000	ICRISAT, Hyderabad
6	Agriculture-industry interface in the changing environment	16-17 Sept 1997	NCAP, New Delhi

IX. Research Project Handled:

S. No.	Project title	Position	Funding agency	Amount (Rs lakh)	Institutions involved
1	Assessing Impact of Bringing Green Revolution to Eastern India (BGRED): A Case Study of Stress Tolerant Rice Varieties	PI	Institute	16.00	NCAP
2	Research Priorities in Indian Agriculture	PI	Institute	20.0	NCAP
3	Ex-ante Socioeconomic Study of Bt brinjal	PI	MoE&F, Govt. of India	13.79	NCAP and IASDS, Lucknow
4	Visioning, Policy Analysis and Gender (V-PAGE)	Co-PI	NAIP/ ICAR	1071.0	NCAP, IASRI, NAARM, DRWA Yes Bank, AgriW. and 15 PME Cells
5	Research Resource Allocation in Agriculture	Co-PI	ICAR	100	NCAP
6	Institutionalization of Priority Setting, Monitoring and Evaluation in the NARS	Co-PI	NATP/ ICAR	136.45	NCAP, IASRI, NAARM and 25 F Cells
7	Improving Technical Efficiency to Counter Import Threat of Edible Oils in India	Co-PI	NATP/ ICAR	10.975	NCAP and DOR,
8	Increasing Production and Productivity of Life Support Crop Species and Allied Enterprises in Tribal, Backward and Hilly Areas	Co-PI	NATP/ ICAR	78.0	NCAP, IASRI, CI CISH, CIFRI, IG/ Raipur, AAU, Jorl
10	Research Resource Allocation in Agriculture: The Case of Wheat	PI	Institute		NCAP
11	Impact of vegetable research in India	PI	Institute		NCAP
12	Impact of Integrated Pest Management in India	Co-PI	Institute		NCAP
13	Prioritizing Production Constraints in Cotton Based Production System: The Case of Maharashtra	PI	Institute		NCAP
14	Agriculture in Coastal Eco-System	PI	Institute		NCAP