

## Resume of Dr. Shivendra Kumar Srivastava

Dr. Shivendra Kumar Srivastava (born on 2<sup>nd</sup> July, 1985) is presently working as Scientist, Senior Scale (Agricultural Economics) at National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi. He has been graduated from G.B. Pant University of Agriculture & Technology, Pantnagar and post-graduated from Indian Agricultural Research Institute, New Delhi. He belongs to 2007 batch of ARS and joined ICAR on 20<sup>th</sup> April, 2010 (90<sup>th</sup> FOCARS). Before joining (23<sup>rd</sup> January 2013) at NIAP, he worked as scientist (Agricultural Economics) at Indian Institute of Water Management, Bhubaneswar, Odisha (August, 2010 to January 2013). He also holds faculty membership in PG faculty in the Discipline of Agricultural Economics, Indian Agriculture Research Institute, New Delhi. His research interest includes sustainable agriculture production and food demand analysis.



### Academic Achievement/Awards/Recognitions

- Secured **first** rank in All India Combined Examination for Admission to Master's Degree Programme in Social Science and Agri. Business Mgt. group and awarded with ICAR Junior Research Fellowship (JRF).
- Got prestigious **Gold Medal** for outstanding academic performance in M.Sc degree (Agril. Economics) in IARI, New Delhi.
- Secured **first** rank in All India Combined Examination for Admission in Ph.D in IARI and awarded with Senior Research Fellowship (SRF)
- Secured **first** rank in Agricultural Research Services (ARS) exam in the subject group of Agricultural Economics.
- **Dr. R. T. Doshi Foundation Award (First Prize)** for best paper published in Agricultural Economics Research Review (AERR, Vol 22(1), 2009, pp 87-97).
- **Best Paper Presentation Award** in National Seminar on Water Use in Agriculture: Challenges Ahead, 22<sup>nd</sup> March, 2011 by Indian Society of Water Management (Orissa Chapter), Bhubaneswar.
- **Dr J. S. Pruthi award-2013** for the best research paper published in Journal of Spices and Aromatic Crops (Vol. 22, 2013, pp. 47-54).

### **Foreign Exposure:**

- Cornell University, USA, during August 1, 2013 to October 30, 2013 (3 months) under National Agriculture Innovation Project (NAIP).
- Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), Canberra, Australia during April 29, 2013 to May 3, 2013.
- Potsdam, Germany to attend 6<sup>th</sup> Sixth Indo-German Frontiers of Engineering Symposium (INDOGFOE, 2014) organized by Department of Science and Technology (DST) and Alexander Humboldt Foundation during May 22-25.

### **Research papers**

1. Ramesh Chand and **S.K. Srivastava** (2016), Disadvantaged agricultural regions: is there a way forward?, *Indian Journal of Agricultural Economics*, Vol. 71, No. 1, pp. 36-48.
2. **S.K. Srivastava**, Deepthi Kolady (2016), Agricultural biotechnology and crop productivity: macro-level evidences on contribution of Bt cotton in India, *Current Science*, Vol. 110, No. 3, pp. 311-319.
3. **S.K. Srivastava**, Ramesh Chand, S.S. Raju, Rajni Jain, Kingsly I., Jatinder Sachdeva, Jaspal Singh and Amrit Pal Kaur (2015), Unsustainable groundwater use in Punjab Agriculture: Insights from cost of cultivation survey, *Indian Journal of Agricultural Economics*, Vol 70, No. 3, pp. 365-378.
4. S.S. Raju, Ramesh Chand , **S.K. Srivastava**, Amrit Pal Kaur, Jaspal Singh, Rajni Jain, Kingsly Immanuelraj and Parminder Kaur (2015), Comparing Performance of Various Crops in Punjab Based on Market and Economic Prices and Natural Resource Accounting, *Agricultural Economics Research Review*, Vol 28 (Conference no.), pp.189-198.
5. Debnath, B., R S Biradar, M Krishnan, S K Pandey, C Debnath, **S K Srivastava** and S C S Das (2015), Economic evaluation on fish production and demand in Tripura – strategic options, *Indian Journal of Animal Sciences*, Vol. 85, No. 10, pp. 1139–1145.
6. **S.K. Srivastava**, R.C. Srivastava, R.R. Sethi, A.Kumar and A.K. Nayak (2014), Accelerating groundwater and energy use for agricultural growth in Odisha:

Technological and Policy issues, *Agricultural Economics Research Review*, Vol. 27, No. 2, pp. 259-270.

7. Chand, Ramesh and **S.K. Srivastava** (2014), Changes in rural labour market and its implications for Indian Agriculture, *Economic and Political Weekly*, Vol. XLIX, No. 10, March 8, pp. 47-54.
8. Souvik Ghosh, **S.K. Srivastava**, A.K. Nayak, D.K. Panda, P.Nanda and A. Kumar (2014), Why impacts of irrigation on agrarian dynamism and livelihoods are contrasting: Evidence from eastern India states, *Irrigation and Drainage*, Vol. 63 (5), pp. 573-583 (Wiley Online Library).
9. R.R. Sethi, M.J. Kaledhonkar, M. Das, S.K. Srivastava, A.K. Nayak and A. Kumar (2014), Groundwater pumping options in coastal areas of Odisha, *Journal of the Indian Society of Coastal Agricultural Research*, Vol. 32, No.1, pp. 49-53.
10. **S.K. Srivastava**, Souvik Ghosh, Aswani Kumar and PSB Anand (2014), Unraveling spatio-temporal pattern of irrigation development and its impact on Indian agriculture, *Irrigation and Drainage*, Vol. 63 (1), pp. 1-11 (Wiley Online Library).
11. **S.K. Srivastava**, V.C. Mathur, N. Sivaramane, R. Kumar, R. Hasan and P.C. Meena (2013), Unravelling food basket of Indian households: Revisiting underlying changes and future food demand, *Indian Journal of Agricultural Economics*, Vol. 68, No.4, Oct.-Dec, pp. 535-551.
12. **S.K. Srivastava**, V.C. Mathur, Ranjit Kumar, Sivaramane N, and G.K. Jha (2013), Household demand and supply of milk and milk products in India: Regional trends and future projections, *International Journal of Agriculture and Statistical Sciences*, Vol.9, No.1, pp. 353-363.
13. **S.K. Srivastava**, R Kumar, M Hema and R Hasan (2013), Inter-regional variations and future household demand and production of major spices in India, *Journal of Spices and Aromatic Crops*, Vol. 22. No.1, pp. 47-54.
14. **S.K. Srivastava**, Souvik Ghosh, Aswani Kumar, PSB Anand and S.S. Raju (2013), Trends in irrigation development and its impact on agricultural productivity in India: A time series analysis, *Agricultural Situation in India*, Vol. LXIX, No. 11, pp. 13-19, February.
15. **S.K. Srivastava**, PSB Anand, G. Kar, M. Raychaudhury, Ashwani Kumar and D.K. Panda (2013), Impact of climatic variability on crop yield and climate resilient adoption measures at farmers' field in Odisha, *Journal of Interacademecia* , Vol. 17, No. 1, pp. 69-77.

16. P.S Brahmanand, A Kumar, S.Ghosh, S.Roychowdhury, R.B. Singandhupe, R.Singh, P.Nanda, H.C.Chakraaborthy, **S.K. Srivastava** and M.S. Behera (2013), Challenges to food security in India, *Current Science*, Vol. 104 No. 07, 10 April, pp.841-846.
17. Ashok K. Nayak, **S.K. Srivastava**, R.R. Sethi (2013), Development of information system on sustainable groundwater irrigation for Odisha, *Journal of the Indian Society of Coastal Agricultural Research*, Vol. 31 (1), pp. 55-58.
18. M Chikkamath, B R Atteri, **Shivendra Kumar Srivastava**, Shubhadeep Roy (2012), “Factors influencing consumers behaviour for vegetable purchase”, *Vegetable Science*, Vol.39, No. 1, pp. 35-39.
19. **Srivastava, S.K.**, R.R. Sethi, A. Kumar and A.K. Nayak (2012), “Unraveling groundwater development and energy use in Odisha state of Eastern India”, *Journal of Water Management*, Vol. 20 (2), pp. 163-166.
20. Ashwani Kumar, A.K Thakur and **S.K. Srivastava** (2012), Bharat me jal sansadhan prabandhan, *Krashika (Shodh Patrika)*, Year 1 No.1, July-December, pp.11-17.
21. **S.K Srivastava** and Ranjit Kumar (2011), “Water productivity and groundwater pricing in Central Plain Zone of Uttar Pradesh”, *Journal of Water Management*, Vol 19 (2), pp. 102-108.
22. **S.K. Srivastava** and V.C Mathur (2011), “Spatial and temporal consumption and production pattern of pulses in India”, *Pusa AgriScience*, Vol. 34, pp. 79-86.
23. **S.K. Srivastava**, Sivaramane, N. and V.C. Mathur (2010), “Diagnosis of Pulses Performance in India”, *Agricultural Economics Research Review*, Vol. 23, January to June, pp. 137-148.
24. **Srivastava, S.K.**, Ranjit Kumar and R.P.Singh, (2009), “Extent of groundwater extraction and irrigation efficiency on farms under different water market regimes in central Uttar Pradesh”, *Agricultural Economics Research Review*, Vol. 22, January-June, pp 87-97.

### **Policy Brief/Technical Bulletins/Training Manual**

1. Ramesh Chand and **S.K. Srivastava** (2014), Changing structure of rural labour market: trends, drivers and implications for agriculture, Policy Brief No. 40, National Centre for Agricultural Economics and Policy Research, New Delhi.

2. **S.K. Srivastava**, Souvik Ghosh and Ashwani Kumar (2012), “Spatial and temporal investment pattern in irrigation development and its impact on Indian agriculture. Research Bulletin no. 55. Directorate of Water Management (Indian Council of Agricultural Research), Chandrasekharpur, Bhubaneswar-751023, Odisha, India, pp-37.
3. **S.K. Srivastava**, Ranu Rani Sethi, Ashwani Kumar, R.C. Srivastava and A.K. Nayak (2013), “Groundwater development and energy use dynamics for irrigation in Odisha”. Research Bulletin no. 56. Directorate of Water Management (Indian Council of Agricultural Research), Chandrasekharpur, Bhubaneswar-751023, Odisha, India, pp-45.
4. Mausumi Raychaudhuri, **S.K. Srivastava** and Ashwani Kumar (2011), Training Manual on “Enhancing Water Productivity through Integrated Water Management”, Directorate of Water Management (ICAR), Chandrasekharpur, Bhubaneswar, Odisha-751023.

**Book Chapter/Technical Article:**

1. **S. K. Srivastava** (2016), “Short Run Forecast of Food Inflation using ARIMA: A Combination Approach”, In. Analytical Techniques for Decision Making in Agriculture, Eds. Raju S.S., R. Jain, and U. Ahuja, pp. 81-92, Daya Publishing house , New Delhi-110 002.
2. **S.K. Srivastava**, Ramesh Chand, S.S. Raju, Rajni Jain, I. Kingsly, Jatinder Sachdeva, Jaspal Singh and Amrit Pal Kaur (2016), “Volumetric Assessment of Groundwater Irrigation in Major Crops in Punjab”, In. Analytical Techniques for Decision Making in Agriculture, Eds. Raju S.S., R. Jain, and U. Ahuja, pp. 165-172, Daya Publishing house , New Delhi-110 002.
3. **S.K. Srivastava**, S.S. Raju, Amrit Pal Kaur, Jaspal Singh, Rajni Jain, I. Kingly and Jatinder Sachdeva (2016), “Unit-level Cost of Cultivation Data: Extraction and Retrieving Procedure”, In. Analytical Techniques for Decision Making in Agriculture, Eds. Raju S.S., R. Jain, and U. Ahuja, pp. 309-314, Daya Publishing house, New Delhi-110 002.
4. S.S. Raju, Ramesh Chand, **S.K. Srivastava**, Amrit Pal Kaur, Jaspal Singh, Rajni Jain and Kingsly Immanuelraj (2016), “Assessing Performance of Various Crops Based on Alternative Approaches: A Case of Punjab”, In. Analytical Techniques for Decision Making in Agriculture, Eds. Raju S.S., R. Jain, and U. Ahuja, pp. 33-44, Daya Publishing house , New Delhi-110 002.

5. Chand R. and **S.K. Srivastava** (2016) *Changing employment pattern in rural India*, In. Decision support system in agriculture using quantitative analysis, Eds. Jain, R. and S.S. Raju, pp. 29-40, Agrotech Publishing Academy, Udaipur.
6. **S.K. Srivastava** and P.S. Birthal (2015), What caused the labour crisis, Cover story, Down To Earth, 1-15 December, pp. 38-39.
7. Raychaudhuri, M., D.K. Panda, A. Kumar, **S.K. Srivastava**, P.S.B. Anand, S. Raychaudhuri and G. Kar (2015), “Impact of climatic variability on crop production in Mahanadi delta region of Odisha”, In. Singh, A.K., J.C., Dagar, A. Arunachalam, G. R. and K.N. Shelat (Eds), *Climate change modelling, planning and policy for agriculture*, DOI 10.1007/978-81-322-2157-9\_12, pp, 99-107, springer, India.
8. **S.K. Srivastava** and Ranjit Kumar (2015), Groundwater extraction for use efficiency in crop production under different water market regimes: A case study of Uttar Pradesh state (India), In. M.S. Meena, K.M. Singh and B.P. Bhatt (Eds), *Water Management in Agriculture*, pp. 125-130, Jaya Publishing House.
9. **S.K. Srivastava** and Ramesh Chand (2014), Food Inflation in India: Trends and causal factors, In. Uma Kapila (Eds), *Indian Economy since Independence*, 25<sup>th</sup> Edition, pp. 333-344, Academic Foundation, New Delhi.
10. Ramesh Chand and **S.K. Srivastava** (2014), Food and nutritional security through livestock: emerging trend and pattern, In. A K. Samanta, R. Bhatta, V. Sejjan, A.P. Kolte, P.K. Malik, S.K. Sirohi and C.S. Prasad, *Climate Resilient Livestock Feeding System for Global Food Security*, ICAR-National Institute of Animal Nutrition and Physiology, Bangluru.
11. **S.K. Srivastava**, R.R. Sethi and A. Kumar (2013), “Impact of groundwater development for agriculture and constrains in its utilization in Odisha state of eastern India”, In Madhu M., Jakhar P., Adhikari, PP., Gowda H.C.H, Sharda, V.N. and Khan M.K. (Ed.), *Natural Resource Conservation: Emerging issues & future challenges*, Satish Serial Publishing House, pp. 935-941(Book Chapter).
12. Naveen P. Singh and **S.K. Srivastava** (2012), “Micro-irrigation in Uttar Pradesh: Status, Economics and Outreach”, In K.Palanisami, S. Raman, Kadiri Mohan (Ed.), *Micro-Irrigation in Indian States: Status, Economics and Outreach*, International Water

Management Institute (IWMI), Colombo, Srilanka, Macmillan Publishers, pp. 170-184 (Book Chapter).

13. **S.K. Srivastava**, Ranu Rani Sethi, Ashwani Kumar and A.K.Nayak (2012), “Groundwater development and energy requirement for optimum cropping pattern in hard rock regions of Odisha, Proceedings of fifth International Groundwater Conference (IGWC-2012) on the assessment and management of groundwater resources in hard rock systems with special reference to basaltic terrain. In M. Thangarajan, C. Mayilswami, P.S. Kulkarni and V.P.Singh (Ed.), Volume I (Resources Assessment and Aquifer Characterization), pp, 594-604(Book Chapter).
14. Ashok K. Nayak, **S.K. Srivastava**, Ranu Rani Sethi and Ashwani Kumar (2012), “ User-friendly database software for groundwater status in Odisha, Proceedings of fifth International Groundwater Conference (IGWC-2012) on the assessment and management of groundwater resources in hard rock systems with special reference to basaltic terrain. In V.P.Singh, M. Thangarajan, C. Mayilswami and P.S. Kulkarni (Ed.), Volume IV (Modeling and management aspects of groundwater) (Book Chapter).
15. **Srivastava, S.K.** (2011), Irrigation Development in India: Opportunities and Challenges, Training Manual on Enhancing Water Productivity through Integrated water Management, Directorate of Water Management (ICAR), Chandrasekharpur, Bhubaneswar, Odisha-751023, pp. 130-132 (Technical article).
16. **S.K. Srivastava** and A. Kumar (2011), “Bharat me sichai vikas ke awsar ewam chunautiyan” *Krishi Jal*, Vol. II No. 1 January to June, pp. 3-6 (Hindi Article).
17. A. Bahadur, S. Roy and **S.K. Srivastava** (2011), “Gunwattayukta utpadan ke liye sabjoyon me sichai prabandh, *Krishi Jal*, Vol. II No. 1 January to June, pp. 10-14 (Hindi Article).
18. D.R. Singh, **S.K. Srivastava**, Anil Kumar and Sivaramane, N (2011), “Bharat ke nichle gangiya maidano me bhujal ke vikas me bhujal bazaron ka yogdaan, *Krishi Jal*, Vol. II No. 1 January to June, pp. 18-21 (Hindi Article).

#### **Presentations in Conferences/Seminars/workshops**

1. **S.K. Srivastava** (2014), “Food and nutritional security in India: Availability and accessibility aspects” Invited talk in Global Food and Nutrition Session at the Indo-German Frontiers of Engineering (INDOGFOE, 2014) held at Potsdam, Germany during May 22-25.

2. **S.K. Srivastava** and Deepthi Kolady (2014), Macro-level impact assessment of Bt cotton in India, oral presentation in National Seminar on Agriculture and Bio-security in changing scenario, 1-3 February, in Department of ASPEAN (Agronomy, soil science, Agril. Engineering, Plant Physiology & Animal Sciences), Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharti, West Bengal.
3. **S.K. Srivastava**, Ranjit Kumar and R.P. Singh, (2009), “Irrigation Development and groundwater extraction in Uttar Pradesh State: Emerging issues of Distribution and sustainability”, Paper presented in Fifth Biennial conference of Indian Society for Ecological Economis (INSEE), 21-23 January, Gujarat Vidyapeeth, Ahmedabad-380014.
4. **S.K. Srivastava** and Ranjit Kumar (2011), “Water Productivity at Farmers’ Fields and Groundwater Pricing in Central Plain Zone of Uttar Pradesh State”, Paper presented in Seminar on Water Use in Agriculture: Challenges Ahead, Indian Society of Water Management, Orissa Chapter, Directorate of Water Management (ICAR), Bhubaneswar 751023, Odisha, India, pp. 42.
5. **S.K. Srivastava**, V.C.Mathur and Sivaramane, N. (2011), “Spatial and Temporal Consumption and Production Pattern of Cereals in India”, Paper presented in International Conference on Managing Sustainable Development of Rural Economy and Agri Business (ICON-BHU), Institute of Agricultural Sciences, BHU, Varanasi, 21-23 January.
6. **S.K. Srivastava**, Mausumi Raychaudhuri, Ashwani Kumar, P.S.B. Anand, D.K. Panda and G. Kar (2012), “Farmers’ Perception and Adoption Measures for Climate Resilient Agriculture in Odisha”, Paper presented in International Conference on Climate Change, Sustainable Agriculture and Public Leadership, New Delhi, during 07- 09, February.
7. **S.K. Srivastava**, Rani Rani Sethi, Ashwani Kumar and A.K. Nayak (2012), “Impact of groundwater development on agriculture and constraints in its utilization in Odisha”, Paper presented in conference on Livelihood and Environmental Security through Resource conservation in Eastern region of India (LESRC-2012), Organized by Indian Association of Soil and Water Conservationists in Orissa University of Agriculture & technology (OUAT) during 5-7<sup>th</sup> April.
8. **S.K. Srivastava**, V.C. Mathur and Sivaramane, N. (2012), Household demand of major vegetables in India: Regional trends and future projections”, Paper presented in Global Conference on Horticulture for food, nutrition and livelihood options, organized by ASM Foundation, New Delhi in Orissa University of Agriculture & technology (OUAT) during 28-31<sup>st</sup> May.



9. **S.K. Srivastava**, Rani Rani Sethi, Ashwani Kumar and A.K. Nayak (2012), “Unraveling groundwater development and energy use in Odisha state of Eastern India”, Paper presented in International Workshop on Understanding Water-Energy-GHG nexus for future water and food security, organized by Indian Society of Water Management & University of Melbourne, Australia at NASC, New delhi during 27-28 September.

**Professional affiliations:**

Life member, Agricultural Economics Research Association, New Delhi

Life Member, Indian Society of Agricultural Economics, Mumbai

Life Member, Indian Society of Water Management, New Delhi

**Corresponding Address:**

Dr. Shivendra Kumar Srivastava  
Scientist, Senior Scale (Agricultural Economics)  
National Institute of Agricultural Economics and Policy Research (NIAP)  
Indian Council of Agricultural Research,  
P.B. No. 11305, Dev Prakash Shastri (DPS) Marg,  
Pusa, New Delhi-110 012, India  
Ph: +91- 9910166824 (mobile), +91-11-25847628/25848731 (Ext. 206)  
Fax: +91-11-25842684  
Email: [sksrivastava@ncap.res.in](mailto:sksrivastava@ncap.res.in)  
[shivendraiari@gmail.com](mailto:shivendraiari@gmail.com)