

LIST OF PUBLICATIONS

(i) Research Papers in Referred Journals

1. **Ramesh Kumar**, PR Gajri and SS Prihar. 1985. Water use by wheat as affected by soil moisture, rooting density, canopy and evaporation. *Indian J. Agric. Sci.* 55(9): 570-573.
2. Datta KK, **RK Sharma** and AK Datta. 1988. Factors influencing potato acreage in Himachal Pradesh - A study in Lahaul-Spiti district. *Agricultural Situation in India*. Nov.: 671-674.
3. Rao GGSN, **RK Sharma**, and RK Rajput. 1993. Water resources and their utilisation in Haryana. *Irrigation & Power*. pp 61-69.
4. Singandhupe RB, **RK Sharma**; Vijay Katyal and RK Rajput. 1994. Economics of crop sequences under limited and adequate levels of irrigation and fertiliser in semi-reclaimed sodic soil. *J. Indian Water Resour. Soc.* 14(1-4): 70-72.
5. Katyal V, JP Singh and **RK Sharma**. 1994. Nearest neighbour analysis of potato yield grown in sodic soil. *J. Indian Soc. Agric. Stat.* 46(3): 334-336.
6. **Sharma RK**, DS Chauhan and S Nagarajan. 1999. Current Status of Crop Response to Fertilisers in Different Agro-climatic Zones- Experiences of All India Co-ordinated Wheat Improvement Project. *Fertiliser News*, July 1999. 44(7): 39-43 & 45-46.
7. Tripathi SC, DS Chauhan, **RK Sharma** and OP Dhillon. 1999. Productivity and economics of different wheat (*Triticum aestivum* L.) based cropping sequences. *Indian J. Agron.* 44(2): 232-236.
8. Chauhan DS, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2001. Effect of crop intensification on productivity, profitability, energetics and soil fertility in rice (*Oryza sativa*)-Wheat (*Triticum aestivum*) cropping system of north-western plains. *Indian J. Agric. Sci.* 71(5): 299-302.
9. **Sharma RK**, DS Chauhan, RS Chhokar, AS Kharub and SC Tripathi. 2001. Performance of Dithiopyr against weeds in wheat. *Pestology* Vol. XXV No.7 July 2001: 4-6.
10. Chhokar RS, DS Chauhan and **RK Sharma**. 2001. Time of sulfosulfuron application in wheat for *Phalaris minor* control. *Indian J. Weed Sci.* 33: 85-86.
11. Chhokar RS, DS Chauhan and **RK Sharma** and RK Singh. 2001. Evaluation of fluazolate and sulfosulfuron against weeds in wheat. *Pestology* Vol. XXV No.8 August 2001: 16-18.
12. Chauhan DS, AS Kharub, RS Chhokar, **RK Sharma** and SC Tripathi. 2002. Bio-efficacy of Chlorsulfuron on weeds in wheat. *Pesticide Research Journal.* 14(1): 161-164.
13. Kharub AS, DS Chauhan, **RK Sharma**, SC Tripathi, RS Chhokar and VK Sharma. 2002. Water soluble liquid fertilizer in wheat productivity and quality. *Agricultural Science Digest.* 22(3): 161-163.
14. Chauhan DS, **RK Sharma** and RS Chhokar. 2003. Comparative performance of various tillage options in wheat (*Triticum aestivum*) productivity and weed management. *Indian J. Agric. Sci.* 73(9): 402-407
15. Verma RPS, **RK Sharma** and S Nagarajan. 2003. Influence of nitrogen and irrigation management on malt and wort quality in barley. *Cereal Research Communication.* 31(3-4): 437-444.
16. Kharub AS, DS Chauhan, RK Sharma, RS Chhokar and SC Tripathi. 2003. Diversification of rice (*Oryza sativa*) -wheat (*Triticum aestivum*) system for improving soil fertility and productivity. *Indian J. Agron.* 48 (3): 149-152.
17. Sharma AK, **RK Sharma** and K Srinivasa Babu. 2004. Effect of planting options and irrigation schedules on development of powdery mildew and yield of wheat in the North Western Plains of India. *Crop Protection.* 23(3): 249-253.
18. **Sharma RK**, K Srinivasa Babu, RS Chhokar and AK Sharma. 2004. Effect of tillage on termite, weed incidence and productivity of spring wheat in rice-wheat system of North Western Indian plains. *Crop Protection.* 23(11): 1049-1054.

19. Kharub AS, RK Sharma, AD Mongia, RS Chhokar, SC Tripathi and VK Sharma. 2004. Effect of rice (*Oriza sativa*) straw removal, burning and incorporation on soil properties and crop productivity under rice-wheat (*Triticum aestivum*) system. *Indian Journal of Agricultural Sciences*. 74(6): 295-299.
20. Triptahi SC, AD Mongia, **RK Sharma**, AS Kharub and RS Chhokar. 2005. Wheat productivity at different sowing dates in various agroclimatic zones of India. *SAARC Jn. of Agri*. 3: 191-201.
21. Chhokar RS, **RK Sharma**, DS Chauhan and AD Mongia. 2006. Evaluation of herbicides against *Phalaris minor* in wheat in north-western plains. *Weed Research*. 46, 40-49.
22. Kharub AS, RK Sharma, SCTripathi and **RS Chhokar**. 2006. Wheat productivity, nitrogen response and soil properties in different agro-climatic zones of India. *Annals of Plant and Soil Research*. 8: 6-10.
23. Chhokar RS, **RK Sharma**, SC Tripathi and DS Chauhan. 2006. Evaluation of fentrazamide and flufenacet for weed control in transplanted rice. *Indian J. Weed Sci*. 38(3&4): 230-232.
24. Sharma, AK, KS Babu, **RK Sharma** and Kamlesh Kumar. 2007. Effect of tillage practices on *Tilletia indica* Mitra (Karnal bunt) disease of wheat in a rice-wheat rotation of the Indo-Gangetic Plains. *Crop Protection*. 26: 818-821.
25. Chhokar RS, **RK Sharma**, GR Jat, AK Pundir, MK Gathala. 2007. Effect of tillage and herbicides on weeds and productivity of wheat under rice-wheat system. *Crop Protection*. 26:1689-1696.
26. Chhokar RS, **RK Sharma**, AK Pundir and RK Singh. 2007. Evaluation of herbicides for control of *Rumex dentatus*, *Convolvulus arvensis* and *Malva parviflora*. *Indian J. Weed Sci*. 39 (3&4): 214-218.
27. **Sharma RK**, RS Chhokar and SC Gill. 2007. Resource conservation tillage technologies for sustainability and higher productivity of rice-wheat system. *Journal of Wheat research 1*: 97-102.
28. Chhokar, RS, **RK Sharma** and SC Gill. 2007. Managing weed problems in wheat. *Journal of Wheat research Vol. 1 (1&2)*: 103-107.
29. Chhokar RS, **RK Sharma** and RPS Verma. 2008. Pinoxaden for controlling grass weeds in wheat and barley. *Indian J. Weed Sci*. 40 (1&2): 41-46.
30. Chhokar RS, **RK Sharma**, AK Pundir and SC Gill. 2008. Beware of poor quality herbicides that can damage your crop. *Pestology XXXII no 9*: 50-52.
31. Gill, SC, RS Chhokar and **RK Sharma**. 2008. Efficient and effective nutrient management strategies for wheat. *Journal of Wheat research Vol. 2 (1)*: 71-75.
32. Chhokar RS, Samar Singh and **RK Sharma**. 2008. Herbicides for control of isoproturon resistant Littleseed Canarygrass (*Phalaris minor*) in wheat. *Crop Protection*. 27:719-726.
33. Chhokar RS and **RK Sharma**. 2008. Multiple herbicide resistance in Littleseed Canarygrass (*Phalaris minor*): a threat to wheat production in India. *Weed Biology and Management*. 8:112-123.
34. Chhokar RS, S Singh, **RK Sharma** and M Singh. 2009. Influence of straw management on *Phalaris minor* control. *Indian J. Weed Sci*. 41: 150-156.
35. Chhokar RS, **RK Sharma**, SC Gill and RK Singh. 2010. Efficacy of AE F 130060 and MKH 6561 in controlling weeds in wheat. *Pestology*. Vol. XXXIV No. 6 June 2010:35-39.
36. **Sharma RK** and RPS Verma. 2010. Effect of irrigation, nitrogen and varieties on the productivity and grain malting quality in barley. *Cereal Research Communications*. 38(3): 419-428.
37. Humphreys E, SS Kukal, EW Christen, GS Hira, Balwinder-Singh, Sudhir- Yadav and **RK Sharma**. 2010. Halting the Groundwater Decline in North West India – Which Crop Technologies Will Be Winners? *Advances in Agronomy*. 109: 155-217.
38. Bijay Singh, **RK Sharma**, Jaspreet Kaur, ML Jat, KL Martin, Yadvinder Singh, Varinder Pal Singh, Parvesh Chandna, OP Choudhary, RK Gupta, HS Thind, Jagmohan Singh,

- HS Uppal, HS Khurana, Ajay Kumar, RK Uppal, Monica Vashistha, WR Raun and Raj Gupta. 2011. Assessment of nitrogen management strategy using an optical sensor for irrigated wheat. *Agronomy Sust. Developm.* 31:589-603.
39. Coventry DR, A Yadav, RS Poswal, **RK Sharma**, RK Gupta, RS Chhokar, SC Gill, V Kumar, A Kumar, A Mehta, SGL Kleemann, JA Cummins. 2011. Irrigation and nitrogen scheduling as a requirement for optimising wheat yield and quality in Haryana, India. *Field Crops Research.* 123: 80–88.
 40. Coventry DR, RK Gupta, A Yadav, RS Poswal, RS Chhokar, **RK Sharma**, VK Yadav, SC Gill, A Kumar, A Mehta, SGL Kleemann, A Bonamano, JA Cummins. 2011. Wheat quality and productivity as affected by varieties and sowing time in Haryana, India. *Field Crops Research.* 123: 214–225.
 41. Coventry DR, RS Poswal, A Yadav, RK Gupta, SC Gill, RS Chhokar, V Kumar, **RK Sharma**, A Kumar, A Mehta, SGL Kleemann, JA Cummins. 2011. Effect of tillage and nutrient management on wheat productivity and quality in Haryana, India. *Field Crops Research.* 123: 234–240.
 42. Chhokar RS, RK Sharma and Subhash Chander. 2011. Optimizing the surfactant dose for sulfosulfuron and ready mix combination of sulfosulfuron and carfentrazone against weeds in wheat. *Indian Journal of Weed Science* 43 (3&4) : 153-162.
 43. Islam Shahnawazul, Sushila Kundu, Jag Shoran, Naved Sabir, Kirti Sharma, Samir Farooqi, Randhir Singh, Hari Om Agarwal, KK Chaturvedi, RK Sharma and AK Sharma. 2012. Selection of wheat (*Triticum aestivum*) variety through expert system. *Indian Journal of Agricultural Sciences.* 82(1): 43–47.
 44. Bijay-Singh, RK Sharma, Jaspreet-Kaur, ML Jat, KL Martin, Yadvinder-Singh, Varinderpal-Singh, HS Thind, HS Khurana, M Vashistha, WR Raun, and R Gupta. 2012. Optical Sensor-based Nitrogen Management for Irrigated Wheat in the Indo-Gangetic Plains. *Better Crops.* 96 (3): 18-20.

(ii) Popular Articles

1. Nagarajan S, Jagshoran, Ghanshyam Singh and **RK Sharma**. 1995. SUNEHRA ANAJ-GEIHUN (Hindi), *Krishi Vistaar Samiksha.* July-August 1995. 4(4): 21-23.
2. Chauhan, DS, **RK Sharma**, Ghanshyam Singh and S Nagarajan. 1997. DWR Planter and FIRBS technology. *ICAR News*, April-June 1997:21-23.
3. Chauhan, DS, **RK Sharma**; Ghanshyam Singh and S Nagarajan. 1997. The DWR Planter and FIRBS technology. *Indian Wheat Newsletter.* January-June, 1997. 3(1): 2-3.
4. Chauhan, DS, **RK Sharma** and Ghanshyam Singh. 1997. Management of *Phalaris minor*. *Indian Wheat Newsletter.* January-June, 1997. 3(1): 4-6.
5. Atwal SS, Shantha Nagarajan, **RK Sharma** and S Nagarajan. 1998. Micronutrients in wheat seed quality and yield under rice-wheat system. *Indian Wheat Newsletter.* July-December, 1998. 4(2): 4-5.
6. Chauhan DS, AS Kharub, RS Chhokar and **RK Sharma**. 1999. Hari Khad-Gehuina dhaan fasal paddhati ke liye ek varadaan. *Gehuina Samachar.* Jan-June, 1999. 5(1): 2.
7. Chauhan DS, **RK Sharma** and S Nagarajan. 1999. Zero tillage- a cost effective wheat production technology. *Farm Progress.* July-September. 37(3): 9-10.
8. Chauhan DS, **RK Sharma**, AS Kharub and RS Chhokar. 1999. DWR Rotavator-cum-drill: A machine for direct sowing of wheat after rice. *Indian Wheat Newsletter.* January-June, 1999. 5(1): 3.
9. **Sharma RK** and DS Chauhan. 1999. New herbicides for control of weeds especially *Phalaris* in wheat. *Indian Wheat Newsletter.* January-June 1999. 5(1): 5-6.
10. Chauhan DS; **RK Sharma**, AS Kharub and RS Chhokar. 1999. Possibility of relay cropping of dhaincha (*Sesbania aculeata*) in wheat under FIRB system. *Indian Wheat Newsletter.* July-December, 1999. 5(2): 6-7.
11. Chauhan DS, **RK Sharma** and S Nagarajan. 1999. FIRBS- A new technology for wheat cultivation. November- December. *Intensive Agriculture.* XXXVII (9-10): 23.

12. Chauhan DS, **RK Sharma**, RS Chhokar, **AS Kharub** and S Nagarajan. 1999. Management of *Phalaris minor* in wheat. *Indian Farming*: 50 (6): 7-8.
13. Chauhan DS, **RK Sharma**, RS Chhokar and AS Kharub. 1999. Weed Management in Wheat. November- December. *Intensive Agriculture*. XXXVII (9-10): 24-27.
14. Chauhan DS, **RK Sharma** and S Nagarajan. 2000. Zero Jutai- Gehoon ke liye kam lagat vali vidhi. *Krishak Jagat* (Rabi Visheshank). 13 to 19 November, 2000: 10.
15. **Sharma RK**, AS Kharub, BN Patil, DS Chauhan and S Nagarajan. 2000. Uttar-Paschimi kshetra mein maind par gehoon ugane key upyogita ka ankalan. *Gehoon Samachar*. January-June 2000. 6(1): 4.
16. Chauhan DS, RS Chhokar, **RK Sharma**, AS Kharub, SC Tripathi and Ram Kumar. 2000. Gehoon ke mukhya kharpatwar aur unki roktham. *Gehoon Samachar*. January-June 2000. 6(1): 6-7.
17. Chauhan DS, **RK Sharma**, RS Chhokar, AS Kharub and S Nagarajan. 2000. Management of *Phalaris minor* in wheat. *Indian Farming*. 50(6): 7-8.
18. Chauhan DS, **RK Sharma**, SC Tripathi, AS Kharub and RS Chhokar. 2000. Wheat cultivation after rice-a paradigm shift in tillage technology. *Indian Farming*. 50(6):21-22, 38.
19. Chauhan DS, SC Tripathi, **RK Sharma**, AS Kharub and RS Chhokar. 2000. Enhancing wheat production through crop management. In "Wheat in the new millennium" Souvenir, 39th All India Wheat Research Workers' Meet, August 27-30, 2000.17-21 pp.
20. **Sharma RK**, AS Kharub, BN Patil, DS Chauhan and S Nagarajan. 2000. An assessment of FIRB system of wheat cultivation in North Western Plains. *Indian Wheat Newsletter*. January-June, 2000. 6(1): 8.
21. Chauhan DS, **RK Sharma**, SC Tripathi, AS Kharub, RS Chhokar and OP Dhillon. 2000. Technology assessment and refinement through on-farm participatory approach. *Indian Wheat Newsletter*. January-June, 2000. 6(1): 9.
22. Tripathi SC, **RK Sharma**, DS Chauhan and Surendra Singh. 2000. FIRB technology-Hybrid wheat production at reduced seed rate. *Indian Wheat Newsletter*. July-December, 2000. 6(2): 8.
23. Chauhan DS, SC Tripathi, AS Kharub, RS Chhokar, **RK Sharma** and RK Singh. 2000. Drum seeding: A viable technology for rice cultivation. *Indian Wheat Newsletter*. July-December, 2000. 6(2): 9.
24. **Sharma RK**, RS Chhokar, Vijaya Rani, MK Gathala and Ajay Kumar. 2001. Cost and energy efficient tillage practices for rice-wheat system. *Indian Wheat Newsletter*. July-December, 2001. 7(2): 8.
25. Chauhan DS, **RK Sharma**, AS Kharub and RS Chhokar. 2001. A Machine Suitable for Intensive Agriculture and Economic Production. *Intensive Agriculture*. July-August 2001. XXXIX (5-6): 19.
26. Chhokar RS, DS Chauhan and **RK Sharma**. 2002. Gehoon mein kharpatvar khatam karo. *Unnat Krishi*, May-June 2002: 4-5 & 9.
27. **Sharma RK**, RS Chhokar, DS Chauhan, Ad Mongia, MK Gathala and Ajay Kumar. 2002. Water requirement of wheat under various tillage options. *Indian Wheat Newsletter*. January-July, 2002. 8(1): 5.
28. Tripathi SC, DS Chauhan, **RK Sharma**, AS Kharub, RS Chhokar and Surendra Singh. 2002. Effect of sowing time and temperature on wheat productivity in NWPZ and NEPZ of India. *Indian Wheat Newsletter*. July-Dec., 2002. 8(2): 6-7.
29. **Sharma RK** and Randhir Singh. 2002. Furrow Irrigated Raised Bed-planting System: An efficient input usage production technology. *Indian Farming*. 52(3): 25-26.
30. सिंह रणधीर एवं रमेश कुमार शर्मा. 2002. फिर्ब्स - उत्तरी राजस्थान के किसानों द्वारा अपनाई जा रही किफायती उत्पादन पद्धति। खेती, 55(6): 25-26.
31. Tripathi SC, AD Mongia, **RK Sharma**, AS Kharub and RS Chhokar. 2003. Effect of sowing time and temperature on wheat productivity in Central and Peninsular India. *Indian Wheat News Letter*. January- June 2003. 9(1): 5-7.

32. **Sharma RK**, RS Chhokar, MK Gathala, AK Pundir and AD Mongia. 2003. Direct seeding of rice-a distinct Possibility. *Indian Wheat Newsletter*. July-December, 2003. 9(2): 5.
33. **Sharma RK**, RS Chhokar and KS Babu. 2004. Seed rate in direct seeded rice. *Rice Wheat Information Sheet*. 47:2-3.
34. **Sharma RK** and AD Mongia. 2004. The Rotary Disc Drill for Seeding into Loose Crop Residues. *Rice Wheat Information Sheet*. 48:3-4.
35. **Sharma RK**, RS Chhokar and DS Chauhan.2004. Zero-tillage technology in rice-wheat system-retrospect and prospects. *Indian Farming*. 54 (4): 12-17.
36. **Sharma RK** and Randhir Singh. 2004. Dhan-gehoun padhhti mein vividhikaran sey munafa hi munafa. *Kheti*. 57(8): 28-30.
37. Singh Randhir and **RK Sharma**. 2005. Raised Bed Planting System- a technology for diversification of the rice-wheat system. *Indian Farming*. 55 (5): 15-16, 25.
38. **Sharma RK** and RS Chhokar. 2005. Rotary tillage- a cost effective resource conservation technology for increased productivity of rice-wheat system. *Indian Farming* 55 (9): 19-21.
39. Chhokar RS, **RK Sharma**, Ramesh Chand and Jag Shoran. 2005. Zero tillage apnao-khet ki jutai se mukti pao. *Khad Patrika*. September 2005. 23-25.
40. Chhokar RS, **RK Sharma**, MK Gathala, AK Pundir and Vivak kumar. 2005. Grow Zero Till wheat for more profit. *Intensive Agriculture*. November December 2005. XXXXIII (11-12): 8-11.
41. त्रिपाठी एस सी, **रमेश कुमार शर्मा**, आर. एस. छोकर, रणधीर सिंह, रामेन्द्र प्रतापसिंह एवं अजय कुमार. 2006. संसाधन संरक्षण तकनीकें अपनाकर गेहूँ – गन्ना अन्तःसस्यन व्दारा क्षेत्रफल एवं उत्पादन में वृद्धि । **गेहूँ समाचार** । जुलाई- दिसंबर, 2005. 11(2): 4.
42. Gupta Raj, ML Jat, Samar Singh, VP Singh and **RK Sharma**. 2006. Resource conservation technologies for rice production. *Indian Farming*. 56 (7): 42-45.
43. रणधीर सिंह, आर एस छोकर एवं **रमेश कुमार शर्मा**. 2006. गेहूँ में खरपतवार नियंत्रण । **कृषि किरण** । दिसंबर 2006: 14-16.
44. रवीन्द्र सिंह, रणधीर सिंह, समर सिंह एवं **रमेश कुमार शर्मा**. 2007. आधुनिक तकनीक से गन्ने की फसल उगाएँ । **कृषि किरण** । जनवरी 2007: 8-12.
45. अनुज कुमार, रणधीर सिंह, आर. पी. एस. वर्मा, **रमेश कुमार शर्मा**, आर एस छोकर एवं रमेश चन्द । 2007. जौ की उन्नत खेती से अधिक पैदावार । खाद पत्रिका, सितम्बर 2007: 21-24.
46. छोकर, आर. एस., सुभाष चन्द्र, रमेश कुमार शर्मा एव बी. मिश्र. 2007. दलहन तथा तिलहन फसलों में समेकित खरपतवार प्रबन्धन । **खाद पत्रिका**। दिसंबर 2007:23-26.
47. Samar Singh, RS Chhokar and **RK Sharma**. 2008. Weed Management in direct seeded rice. *Indian Farming*. 57(11): 7-11.
48. Chhokar RS, RK Sharma and RK Singh.2008. Persistent herbicides management on crops succeeding wheat. *Indian Farming*. Vol. 58 (4): 23-26
49. **Sharma RK**, RS Chhokar, SC Gill and Jagshoran. 2009. Efficient crop residue management: a key to conservation agriculture. *Indian Farming*. 58(11): 27-31.
50. अनुज कुमार, रणधीर सिंह, **आर के शर्मा**, आर एस छोकर, ए के शर्मा, जगशोरन, रमेश चन्द एवं बी मिश्र । 2009. उत्तर-पूर्वी मैदानी क्षेत्र में गेहूँ उत्पादन के लिए उन्नत तकनीक । **उन्नत कृषि**। अक्तूबर-दिसम्बर 2009: 21-24.
51. **शर्मा रमेश कुमार**, सुभाष चन्द्र गिल एवं राजेन्द्र सिंह छोकर. 2009. गेहूँ में संसाधन प्रबंधन : एक अवलोकन । गेहूँ जौ स्वर्णिमा, गेहूँ अनुसंधान निदेशालय, करनाल - 132 001, पृष्ठ-80, संपादक-ज्ञानेन्द्र सिंह, अनुज कुमार, भूदेव सिंह त्यागी, जगशोरन एवं श्याम सुंदर सिंह (2009) पृष्ठ:17-28.

52. **Sharma RK**, RS Chhokar, Subhash Chander Gill, RK Singh and Raj K Gupta. 2009. Need based nitrogen application in rice and wheat crops using NDVI sensors. *Wheat & Barley Newsletter, July-December 2009*. 3(2):3-4.
53. Gill SC, Karamjit Singh, RS Chhokar, RK Singh and **RK Sharma**. 2009. Apply urea before irrigation for higher N use efficiency and wheat productivity. *Wheat & Barley Newsletter, July-December 2009*. 3(2):4.
54. Chhokar RS, **RK Sharma**, SC Gill, and RK Singh. 2009. Carfentrazone for controlling Malva parviflora and Solanum nigrum in wheat. *Wheat & Barley Newsletter, July-December 2009*. 3(2):4.
55. **Sharma RK**, RS Chhokar, SC Gill and SS Singh. 2010. Resource management for increased productivity and profitability: Achievements and challenges. *Indian Farming*. 60(5): 18-23.
56. **Sharma RK**, RS Chhokar, Subhash Chander Gill and RK Singh. 2010. Performance of summer moong bean in the presence of surface retained residues. *Wheat & Barley Newsletter, January-June 2010*. 4(1):5.
57. छोकर, आर. एस., सुभाष चन्द्र गिल, **आर. के. शर्मा**, एवं बी. मिश्र. 2010. दलहन तथा तिलहन फसलों में समेकित खरपतवार प्रबन्धन। *खाद पत्रिका*। 50(2):37-42.
58. Subhash Chander Gill, RS Chhokar, **RK Sharma**, and RP Meena. 2010. Can we top dress Single Super Phosphate at first irrigation to wheat? *Wheat & Barley Newsletter, January-June 2010*. 4(1):5.

(iii) Books

1. Singh SS, **RK Sharma**, Gyanendra Singh, BS Tyagi and MS Saharan. 2011. 100 years of wheat research in India- a saga of distinguished achievements. Directorate of Wheat Research, Karnal – 132 001, India. Pp 281.
2. Singh SS, RR Hanchinal, Gyanendra Singh, **RK Sharma**, BS Tyagi, MS Saharan and Indu Sharma. 2011. Wheat productivity enhancement under changing climate. Narosa Publishing House Pvt. Ltd., New Delhi. Pp 380.

(iv) Bulletins

1. Chauhan DS, Ghanshyam Singh, **RK Sharma** and S Nagarajan. 1997. Weed Management in Wheat Crop, *Wheat Extension Bulletin-2* (Bilingual), Directorate of Wheat Research, Karnal-132 001.
2. Chauhan DS, Ghanshyam Singh, **RK Sharma** and S Nagarajan. 1997. DWR Planter and FIRBS Technology. *Wheat Extension Bulletin-3* (Bilingual), Directorate of Wheat Research, Karnal-132001.
3. Singh Satyavir, **RK Sharma**, DS Chauhan, Ghanshyam Singh and S Nagarajan. 1998. Zero tillage technology-wheat production at lower cost, *Wheat Extension Bulletin-4* (Bilingual), Directorate of Wheat Research, Karnal-132 001.
4. **Sharma RK**, DS Chauhan, RS Chhokar, AS Kharub and S Nagarajan. 1999. Management of *Phalaris minor* in wheat. *Wheat Extension Buttetin-5* (Bilingual), Directorate of Wheat Research, Karnal-132 001.
5. Chauhan DS, **RK Sharma** and S Nagarajan. 1999. Furrow irrigated raised bed planting (FIRBS) technology. *Wheat Extension Buttetin-6* (Bilingual), Directorate of Wheat Research, Karnal-132 001.
6. Tripathi SC, DS Chauhan, **RK Sharma**, UN Verma, AS Kharub and RS Chhokar. 2000. Surface Seeding-Wheat production technology for wetlands. *Wheat Extension Buttetin-9* (Bilingual), Directorate of Wheat Research, Karnal-132 001.
7. Chauhan DS, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2000. Cost effective wheat production technologies. *Research Bulletin No. 5*. Directorate of Wheat Research, Karnal- 132 001. 20 pp.

8. Chauhan DS, **RK Sharma**, SC Tripathi, AS Kharub and RS Chhokar. 2001. New paradigms in tillage technologies for wheat production. *Research Bulletin No.8*. (Bilingual). Directorate of Wheat Research, Karnal- 132 001. 16 pp.
9. **Sharma RK**, RS Chhokar, DS Chauhan, MK Gathala, Vijaya Rani Kundu and AK Pundir. 2002. Rotary Tillage: A better resource conservation technology. Directorate of Wheat Research, Karnal- 132 001. *Research Bulletin No.12: 12pp*.
10. Chhokar RS, DS Chauhan, **RK Sharma**, RK Singh and RP Singh. 2002. Major weeds of wheat and their management. Directorate of Wheat Research, Karnal- 132 001. *Research Bulletin No.13: 16pp*.
11. Gupta RK, Samar Singh, RK Malik, Govindra Singh, RK Naresh, RS Mehla, BS Sidhu, SS Brar, G Sah, J Tripathi, SVRK Prabhakar, **RK Sharma**, SS Singh, CM Singh, M Kumar, UP Singh, L Bhushan, PR Hobbs, JK Ladha and BK Singh. 2003. Zero tillage in rice-wheat systems: Frequently Asked Questions. *Technical Bulletin No. 6*, Rice-Wheat Consortium for the Indo-Gangetic Plains, New Delhi- 110 012, India. 28pp.
12. **Sharma RK**, SC Tripathi, AS Kharub, RS Chhokar, AD Mongia, Jag Shoran, DS Chauhan and S Nagarajan. 2005. A decade of research on zero tillage and crop establishment. Directorate of Wheat Research, Karnal- 132 001. *Research Bulletin No. 18: Pp 36*.
13. Mongia AD, **RK Sharma**, AS Kharub, SC Tripathi, RS Chhokar and Jag Shoran. 2005. Coordinated research on wheat production technology in India. Directorate of Wheat Research, Karnal - 132001. *Research Bulletin No. 20: Pp 40*.
14. Singh Samar, **RK Sharma**, Govindra Singh, SS Singh, UP Singh, MS Gill, ML Jat, SK Sharma, RK Malik, Arun Joshi and RK Gupta. Direct Seeded Rice: A promising resource conserving technology. *Rice-Wheat Consortium for Indo-Gangetic Plains, NASC Complex, Pusa, New Delhi- 110 012*.
15. Mishra B, Jag Shoran, Ravish Chatrath, AK Sharma, RK Gupta, **RK Sharma**, Randhir Singh, J Rane and Anuj Kumar. 2005. Cost effective and sustainable wheat production technologies. Directorate of Wheat Research, Karnal - 132001. *Technical Bulletin No.8: Pp 36*.
16. Verma RPS, **RK Sharma** and B Mishra.2005. Future barley for malt, feed and fodder in India. Directorate of Wheat Research, Karnal - 132001. *Technical Bulletin No.9: Pp 28*.
17. Gupta RK, JK Ladha, Samar Singh, Ravi Gopal Singh, ML Jat, Yashpal Saharawat, VP Singh, SS Singh, Govindra Singh, Ganesh Sah, Mahesh Gathala, **RK Sharma**, MS Gill, Murshad Alam, Hafiz Mujeeb Ur Rehman, UP Singh, Riaz A Mann, Himanshu Pathak, Bhagirath Singh, Chauhan, P Bhattacharya, RK Malik. 2006. Production technology for direct seeded rice. New Delhi, India: Rice-Wheat Consortium for Indo-Gangetic Plains. *Rice-wheat consortium technical bulletin No. 8*. pp 16.
18. अनुज कुमार, रणधीर सिंह, **रमेश कुमार शर्मा**, आर. एस. छोकर, ए. के. शर्मा, जगशोरन, रमेश चन्द एवं बी. मिश्र । दिसम्बर 2006. उत्तर- पूर्वी मैदानी क्षेत्र के लिए गेहूँ उत्पादन प्रौद्योगिकी । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. विस्तार बुलेटिन-21.
19. रणधीर सिंह, अनुज कुमार, **रमेश कुमार शर्मा**, आर. एस. छोकर, ए. के. शर्मा, जगशोरन, रमेश चन्द एवं बी. मिश्र । दिसम्बर 2006. उत्तर- पश्चिमी मैदानी क्षेत्र के लिए गेहूँ उत्पादन प्रौद्योगिकी।गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. विस्तार बुलेटिन-22.
20. रणधीर सिंह, अनुज कुमार, आर. पी. एस. वर्मा, **रमेश कुमार शर्मा**, आर. एस. छोकर, रमेश चन्द एवं बी. मिश्र । दिसम्बर 2006. जौ की उन्नत खेती । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. विस्तार बुलेटिन-23.
21. रणधीर सिंह, अनुज कुमार, **रमेश कुमार शर्मा**, आर. एस. छोकर रमेश चन्द एवं बी. मिश्र. 2007. संसाधन संरक्षण प्रौद्योगिकियाँ । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. विस्तार बुलेटिन-24

22. रणधीर सिंह, अनुज कुमार, आर. के. शर्मा, आर. के. गुप्ता, सुभाष चन्द्र, आर. एस. छोकर, अजय कुमार, रमेश चन्द्र, अशोक यादव, जे कमिन्स, डेविड कोवेंट्री एवं बी. मिश्र. 2008. गेहूँ फसल अवलोकन । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. गेहूँ विस्तार बुलेटिन-25.
23. रणधीर सिंह, अनुज कुमार, जग शोरन, ए. के. शर्मा, आर. के. शर्मा, आर. एस. छोकर, सुभाष चन्द्र, रमेश चन्द्र, एवं बी. मिश्र. 2008. मध्य क्षेत्र के लिये गेहूँ फसल प्रौद्योगिकियाँ । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. गेहूँ विस्तार बुलेटिन-26.
24. Singh Randhir, Anuj Kumar, **RK Sharma**, RK Gupta, Subhash Chander, RS Chhokar, Ajay Kumar, Ramesh Chand, Jay Cummins, David Coventry and Jag Shoran. February 2009. Monitoring wheat crop for sustainable productivity and profit. *Technical Bulletin No. 10*. Pp 10.
25. रणधीर सिंह, अनुज कुमार, आर. के. शर्मा, आर. के. गुप्ता, सुभाष चन्द्र, आर. एस. छोकर, अजय कुमार, रमेश चन्द्र, जे कमिन्स, डेविड कोवेंट्री एवं जग शोरण । फरवरी 2009. टिकाऊ उत्पादकता एवं लाभ के लिए गेहूँ का फसल अवलोकन । गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. *तकनीकी बुलेटिन-11*, पृष्ठ 11.
26. रणधीर सिंह, अनुज कुमार, जग शोरण, आर. के. गुप्ता, ए. के. शर्मा, आर. के. शर्मा, आर. एस. छोकर, सुभाष चन्द्र, रमेश चन्द्र, अजय कुमार एवं एस.एस. सिंहा। अगस्त 2009. गेहूँ उत्पादन प्रौद्योगिकी, गेहूँ अनुसंधान निदेशालय, करनाल - 132 001. *विस्तार बुलेटिन-27*, पृष्ठ 33.
27. Singh Randhir, Anuj Kumar, RK Gupta, AK Sharma, **RK Sharma**, RS Chhokar, Subhash Chander, Ramesh Chand, and SS Singh. February 2010. Increasing wheat production and profitability through improved technologies. Directorate of Wheat Research, Karnal – 132 001. *Technical Bulletin No. 29*. Pp 31.

(v) **Book/Compendium Chapter**

1. Chauhan DS, **RK Sharma** and OS Verma. 1997. Integrated weed management in wheat through tillage options and new molecules under rice-wheat system. In *"Wheat Research Needs Beyond 2000 AD"* S Nagarajan, G Singh and BS Tyagi (Eds). pp 263-274.
2. Panda BC and **RK Sharma**. 1997. Monitoring from space-A new tool for sustainable agriculture/Research. In *"Wheat Research Needs Beyond 2000 AD"* S Nagarajan, G Singh and BS Tyagi (Eds). pp 361-369.
3. Sarma KSS, **RK Sharma** and Dhiman Burman. 2001. Applicability of microwave tools on studies on crop sensitivity in salt affected soils. In *"Physical methods of soil characterization"* J Behari (Editor) Narosa Publishing House, New Delhi, India. pp 41-46.
4. Nagarajan S, TBS Rajput and **RK Sharma**. 2004. Managing water resources. In, *"India book of the year 2004-Events of December 2002 to November 2003"* Encyclopedia Britannica (India) Pvt. Ltd. and The Hindu. pp 161-166.
5. Shoran Jag, **RK Sharma** and SC Tripathi. 2004. New Varieties and production. In, *"The Hindu Survey of Indian Agriculture"*. Pp 33-35.
6. Jag Shoran, **RK Sharma** and RK Gupta. 2005. Efficient Inputs management. In, *"The Hindu Survey of Indian Agriculture"*. Pp 47-49.
7. **Sharma RK**. 2006. Resource conservation technologies in rice-wheat system and need for conservation agriculture. In, *"Sustainable irrigated agriculture- through command area development"* by SK Ambast, SK Gupta and Gurbachan Singh (Editors). Central Soil Salinity Research Institute, Karnal. Pp 153-167.
8. समर सिंह , राजेन्द्रसिंह छोकर, रमेश कुमार शर्मा एवं राम कुमार सिंह. 2007. खरपतवार प्रबन्धन में संरक्षण कृषि का महत्व । खरपतवार मुक्त बीज उत्पादन- कृषक प्रशिक्षण पत्रावली । द्वारा निशा कान्त चौपड़ा, नीलम कुमार चौपड़ा, सच्चिदानन्द सिन्हा एवं धीरेन्द्र चौधरी । भारतीय कृषि अनुसंधान संस्थान, क्षेत्रीय स्टेशन, करनाल । पृष्ठ संख्या 31-34.

9. राजेन्द्र सिंह छोकर, **रमेश कुमार शर्मा**, सुभाष चन्द्र एवं समर सिंह. 2007. बीज की फसलों में एकीकृत व प्रतिरोधी खरपतवार प्रबन्धन। *खरपतवार मुक्त बीज उत्पादन- कृषक प्रशिक्षण पत्रावली*। द्वारा निशा कान्त चौपड़ा, नीलम कुमार चौपड़ा, सच्चिदानन्द सिन्हा एवं धीरेन्द्र चौधरी। भारतीय कृषि अनुसंधान संस्थान, क्षेत्रीय स्टेशन, करनाल। पृष्ठ संख्या 35-39.
10. समर सिंह, राजेन्द्र सिंह छोकर, **रमेश कुमार शर्मा** एवं राम कुमार सिंह. 2007. सीधे बिजाई हुए धान में खरपतवार प्रबन्धन। *खरपतवार मुक्त बीज उत्पादन- कृषक प्रशिक्षण पत्रावली*। द्वारा निशा कान्त चौपड़ा, नीलम कुमार चौपड़ा, सच्चिदानन्द सिन्हा एवं धीरेन्द्र चौधरी। भारतीय कृषि अनुसंधान संस्थान, क्षेत्रीय स्टेशन, करनाल। पृष्ठ संख्या 40-45.
11. **Sharma RK**. 2007. Resource conservation technologies for the sustainability of rice-wheat system. In, "On-farm land and water management" by MJ Kaledhonkar, SK Gupta, DS Bundela and Gurbachan Singh (Editors). Central Soil Salinity Research Institute, Karnal. Pp.135-144.
12. **रमेश कुमार शर्मा**, राजेन्द्र सिंह छोकर एवं सुभाष चन्द्र गिल. 2008. धान उत्पादन में संरक्षण तकनीकियाँ। *धान बीज उत्पादन का शस्य प्रबंध, कृषक प्रशिक्षण पत्रावली*। द्वारा निशा कान्त चौपड़ा, नीलम कुमार चौपड़ा, सच्चिदानन्द सिन्हा एवं धीरेन्द्र चौधरी। भारतीय कृषि अनुसंधान संस्थान, क्षेत्रीय स्टेशन, करनाल। पृष्ठ संख्या 28-32.
13. Subhash Chander Gill, RS Chhokar, and **RK Sharma** 2008. Integrated Nutrient Management in Rice – Wheat cropping system. In: Compendium of Winter School on "Developing new options in integrated nutrient management for sustainable crop production and soil health" conducted by PDCSR, Modipuram, Meerut (UP) during 8-28 December, 2008.
14. Chhokar RS, **RK Sharma** and SC Gill. 2008. Integrated Weed Management in Rice–Wheat cropping system. In: Compendium of Winter School on "Developing new options in integrated nutrient management for sustainable crop production and soil health" conducted by PDCSR, Modipuram, Meerut (UP) during 8-28 December, 2008.
15. Singh S, **RK Sharma**, RK Gupta and SS Singh. 2008. Changes in rice-wheat production technologies and rice-wheat became a success story: lessons from zero-tillage wheat. In: Direct Seeding of Rice and Weed Management in the Irrigated Rice-Wheat Cropping System of the Indo-Gangetic Plains. Edited by Singh Y, VP Sing, B Chauhan, DE Johnson and B Hardy. Los Banos (Phillipines): International Rice Research Institute, and Pantnagar (India): Directorate of Experiment Station, GB Pant University of Agriculture and Technology. Pp 91-106.
16. **Sharma RK**, SC Tripathi, Subhash Chander, RS Chhokar and RP Meena. 2011. Agronomy. In "100 years of wheat research in India- a saga of distinguished achievements" (Eds. Singh SS, RK Sharma, Gyanendra Singh, BS Tyagi and MS Saharan), Directorate of Wheat Research, Karnal – 132 001, India. Pp 105-140.
17. **Sharma RK**. 2011. Resource conserving technologies for sustainability of rice-wheat system. In, "Resource conserving techniques in crop production" (Eds. Sharma AR and UK Behera), Scientific Publishers (India), Jodhpur-342 001, India. Pp 61-73.
18. **Sharma RK**. 2011. Resource conservation technologies for the productivity and profitability. In, "Wheat productivity enhancement under changing climate" Singh SS, RR Hanchinal, Gyanendra Singh, RK Sharma, BS Tyagi, MS Saharan and Indu Sharma (Eds). Pp 176-185.
19. Singh Randhir, David Coventry, **RK Sharma**, RK Gupta, RS Chhokar, SC Gill, Anuj Kumar, AK Yadav, ABS Riar, R Chand and Jay Cummins. 2011. Effect of tillage and nutrient management on wheat yield and quality in rice-wheat rotation. In, "Wheat productivity enhancement under changing climate" Singh SS, RR Hanchinal,

Gyanendra Singh, RK Sharma, BS Tyagi, MS Saharan and Indu Sharma (Eds). Pp 211-217.

(vi) Seminars/Symposia Proceedings

1. **Sharma RK.** 1988. Crop growth response to irrigation and environmental parameters. *Proc. "National Seminar on crop yield response to water"* Feb.9-11, WALMI, Aurangabad, pp 1-6.
2. **Sharma RK.** 1988. Effect of soil moisture regimes and methods of fertiliser application on potato (*Solanum tuberosum L.*). *Proceedings "National Symposium on Management of Irrigation System"* Feb. 24-27, CSSRI, Karnal. Pp 29-132.
3. **Sharma RK;** KSS Sarma and DK Das. 1994. Crop discrimination in salt affected soils by satellite remote sensing. *Proceedings "The 15th Asian Conference on Remote Sensing,* Vol. I, Nov. 17-23, Bangalore, India. pp A-8 1-6.
4. Kharub AS; **RK Sharma** and DS Chauhan. 1998. Gehoon ki fasal mein sansadhan parbandh. In *Vaigyanik Goshthi , Krishi Vikas mein Anusandhan ka Yogdan*" held at CSSRI, Karnal, Sept.7, 1998. pp 72-75.
5. **Sharma RK;** RS Chhokar, Vijaya Rani, MK Gathala and Ajay Kumar. 2002. Productivity, economics and energy requirement of rice-wheat system. *In Proceedings of the International Workshop on "Herbicide resistance management and zero tillage in rice-wheat cropping system"* held on 4-6 March, 2002 at CCSHAU, Hisar, India. Pp 127-130.
6. **Sharma RK;** RS Chhokar, DS Chauhan, MK Gathala, Vijaya Rani and Ajay Kumar. 2002. Paradigm tillage shift in rice-wheat system for greater profitability. *In Proceedings of the International Workshop on "Herbicide resistance management and zero tillage in rice-wheat cropping system"* held on 4-6 March, 2002 at CCSHAU, Hisar, India. Pp 131-135.
7. Singh Samar, **RK Sharma**, RK Gupta, AD Mongia and SS Singh. 2005. Changes in rice-wheat production technologies and how it became success story: Lessons from zero tillage wheat. Paper presented in the workshop held at GBPUA&T, Pantnagar from 1-2 February 2005.
8. Islam, SN, KK Chaturvedi, Hari Om Agarwal, MS Farooqi, Kirti Sharma, AK Sharma, Randhir Singh, RK Sharma, HS Sikarwar. 2007. Knowledge engineering for an Expert System on Wheat Crop Management. In "Proceedings of the 3rd Indian International Conference on Artificial Intelligence (IICAI-07)" Pp 1636-1647.
9. Humphreys E, J Timsina, JG Lauren, CA Meisner, I Masih, **RK Sharma**, RS Chhokar, HS Sidhu, Manpreet-Singh and CH Roth. 2008. Permanent beds and rice-residue management for rice-wheat systems in the Indo-Gangetic Plain: overview. *In "Permanent beds and rice-residue management for rice-wheat systems in the Indo-Gangetic Plain"* (eds: E Humphreys and CH Roth). Proceedings of a workshop held at PAU, Ludhiana, India from 7-9 September 2006. ACIAP Proceedings No. 127. Pp 9-19.
10. **Sharma RK,** RS Chhokar, ML Jat, Samar Singh, B Mishra and RK Gupta. 2008. Direct drilling of wheat into rice residues: experiences in Haryana and Western Uttar Pradesh. *In "Permanent Bed and rice-residue management for rice-wheat systems in the Indo-Gangetic Plain"* (eds: E Humphreys and CH Roth). Proceedings of a workshop held at PAU, Ludhiana, India from 7-9 September 2006. ACIAR Proceedings No. 127. Pp 147-158.
11. **Sharma RK** and ML Jat. 2012. *In "Soil Science in the Service of Nation"* (eds: NN Goswami, Bijay Singh, DK Pal, RK Rattan and DLN Rao). Proceedings of the Platinum Jubilee Symposium on, "Soil Science in meeting the challenges to food security and environmental quality" held at IARI campus, New Delhi, India, from 22-25 December, 2009. Indian Society of Soil Science. Pp 43-54.

(vii) **Abstracts/ Presentations in Conferences/ Symposia/ Seminars/ other fora**

1. **Sharma RK.** 1987. Response of potato to different water regimes and methods of fertiliser application. Abstracts, "Fifty-Second Annual Convention of Indian Society of Soil Science". Pune, Maharashtra, Nov. 26-28.
2. **Sharma RK** and RK Rajput. 1988. Effect of water regimes on rice performance and components of field water balance in a semi-reclaimed sodic soil. Abstracts, "Fifty-Third Annual Convention of Indian Society of Soil Science". Bhubneswar, Orissa. Nov. 24-27.
3. Sarma KSS; Dhiman Burman; **RK Sharma** and DK Das. 1992. Soil moisture evaluation by Time Domain Reflectometry in saline and alkaline soils. *Extended Summaries*, "57th Annual Convention of Indian Society of Soil Science", CRIDA, Hyderabad, Nov. 26-29. pp 3-5.
4. **Sharma RK**; KSS Sarma and DK Das. 1994. Factors affecting crop performance in farmers' field. *Extended Summaries of the Diamond Jubilee "National Seminar on developments in soil science-1994"*, Nov. 28-Dec.1. pp 582-583.
5. Chauhan DS and **RK Sharma**. 1996. Furrow Irrigated Reduced-till Bed-planting System- an innovative approach to sustainable wheat production. Abstracts of Poster Sessions, *2nd International Crop Science Congress*. 17-24 November 1996, New Delhi, India. pp 102.
6. Chauhan DS; **RK Sharma**, SC Tripathi and RK Singh. 1997. Attainable potential of recent wheat varieties in north western plains. Abstracts of Poster Session, International Group Meeting on "Wheat Research Needs Beyond 2000 AD". 12-14 August, 1997, Karnal, India. Pp 93-94.
7. Atwal SS; Shantha Nagarajan and **RK Sharma**. 1997. Role of micronutrients on seed yield and quality of two wheat cultivars in a rice-wheat system. *Abstract of poster session. International Group Meeting on "Wheat Research Needs Beyond 2000 AD"*. August 12-14, 1997, DWR, Karnal, India. Pp 102-103.
8. Tripathi SC; DS Chauhan, **RK Sharma** and OP Dhillon. 1997. Comparative performance of various wheat based cropping sequences. Abstracts of Poster Session, International Group Meeting on "Wheat Research Needs Beyond 2000 AD". 12-14 August 1997, Karnal, India. Pp 103-104.
9. Chauhan DS and **RK Sharma**. 1999. Performance of new molecules against weeds in wheat with special reference to *Phalaris*. *Abstracts*. The Eighth Biennial Conference of ISWS held at VARANASI from February 5-7, 1999. 161p.
10. Chauhan DS and **RK Sharma**. 1999. Integrated weed management in wheat under rice-wheat system. *Abstracts*. The Eighth Biennial Conference of ISWS held at VARANASI from February 5-7, 1999. Pp 160.
11. Chauhan DS, **RK Sharma** and AS Kharub. 2000. Diversification of Rice-Wheat System for Sustainability and Profitability. *Extended Summaries*. International conference on "Managing Natural Resources for sustainable Agricultural Production in the 21st Century". February 14-18, 2000. IARI, New Delhi. Vol.3. Voluntary Papers. Pp 1168-1169.
12. **Sharma RK**, KSS Sarma and DK Das. 2000. Crop discrimination and yield forecasting using satellite remote sensing. *In Wheat in the Global Environment- Abstracts of oral and poster presentations of the "6th International Wheat Conference" held at Hungary from 4-9 June 2000*. Pp 83.
13. Kharub AS; DS Chauhan, **RK Sharma**, RS Chhokar, SC Tripathi and VK Sharma. 2000. Rice residue management under rice-wheat system for improved soil productivity. *Abstracts*. National Seminar on, 'Developments in soil science'— 2000. Pp 424.
14. **Sharma RK**. 2004. Minimum till system in presence of loose crop residue for increased productivity and sustainability of natural resources. *Abstracts*. National Conference on, "Conservation Agriculture-Conserving Resources-Enhancing Productivity" held at New Delhi from 22-23 September 2004. Pp 20-21.

15. Tripathi, SC, AD Mongia, D.S.Chauhan, **RK Sharma**, AS Kharub, R.S. Chhokar and Jag Shoran (2004) Bed Planting: A new technique to diversify/intensify rice-wheat system in India. *In Proc. of the 4th International Crop Congress (ICSC) held at Brisbane, Australia on 26th Sept. to 1st Oct. (www.cropscience.org.au) on CDROM.*
16. Mongia, AD, AS Kharub, **RK Sharma**, SC Tripathi and RS Chhokar (2004) Fertilizer management in zero till wheat. 69th Annual convention of Indian Society of Soil Sci. held at Hyderabad.
17. Mongia, AD, AS Kharub, **RK Sharma**, SC Tripathi, RS Chhokar and Jag Shoran (2004). Effect of agronomic manipulations and sulphur nutrition on yield and quality of wheat in Typic Ustrochrept soils of Haryana. International Conference of Soil science held at New Delhi.
18. Kharub AS, AD Mongia, **RK Sharma**, SC Tripathi and RS Chhokar. 2004. Impact of organic and inorganic fertilisation on productivity and quality of wheat. Paper presented in 69th Annual Convention of Indian Society of soil science. October 27-30, 2004, APAU, Hyderabad.
19. Kharub, AS, AD Mongia, **RK Sharma**, SC Tripathi, RS Chhokar and Jag Shoran (2005) Wheat productivity, nitrogen response and soil properties in different agro-climatic zones of India (Abst.) *In 7th Agricultural Science Congress“ Entrepreneurship Development in agriculture” held at Pune from 16-18th Feb. pp 5-6.*
20. Singh Randhir, **RK Sharma**, Anuj Kumar and Ramesh Chand. 2004. Crop diversification and efficient water usage through Furrow Irrigated Raised Bed-planting System (FIRBS): A case study. *Abstracts. National symposium on “Second generation problem in agriculture and its remedies. 26-27 November 2004. Modipuram, Meerut. Pp 266-67.*
21. **Sharma, RK** and Bijay Singh. Crop canopy sensors (Greenseeker and Amber sensor) for efficient nitrogen management and as an indicator of crop health under various management practices. Paper presented in the 13th RTCC and 11th SRC meeting of the Rice-Wheat Consortium for the Indo-Gangetic Plains held at BARC, Dhaka, Bangladesh from 6-9th February 2005. Pp 32-34.
22. Singh Samar, **RK Sharma**, RK Gupta, AD Mongia and SS Singh. 2005. Changes in rice-wheat production technologies and how it became success story: Lessons from zero tillage wheat. Paper presented in the workshop held at GBPUA&T, Pantnagar from 1-2 February 2005.
23. Kharub, AS, AD Mongia, **RK Sharma**, SC Tripathi, RS Chhokar and Jag Shoran. 2005. Wheat productivity, nitrogen response and soil properties in different agroclimatic zones of India *Abstracts, 7th Agricultural Science Congress on, “Entrepreneurship Development in Agriculture” held at Pune from 16-18th February 2005. Pp 5-6.*
24. Sharma, A.K., Babu, K.S., Singh, A.K., **Sharma, R.K.**, Chhokar, R.S., Kumar, K and Kumar, S. 2005. Influence of tillage practices on pest situation under rice-wheat system. Presented in the 7th Agricultural Science Congress, 2005, organized by NAAS, at College of Agriculture, Pune, on February 16-18, 2005.
25. Chandna Parvesh, Arun Srivastava, **RK Sharma**, Bijay Singh, Samar Singh, M Sethi, ML Jat, Ajay Kumar, RP Singh, Yadvinder Singh, OP Chaudhary, M Gathala, SC Tripathi, Ishwar Singh, SN Singh and Raj Gupta. 2006. Integration of NDVI of greenseeker handheld optical sensorTM with satellite remote sensing. *Abstracts, “2nd International Rice Congress 2006 (26th International Rice Research Conference)” held at New Delhi from 9-13 October, 2006. Pp 327-328.*
26. **RK Sharma**, RS Chhokar, Ajay Kumar, MK Gathala, Gograj Jat, KS Babu, AK Sharma and B Mishra. 2006. Effect of tillage in rice and wheat on the productivity of rice and soil strength. *Abstracts, “2nd International Rice Congress 2006 (26th International Rice Research Conference)” held at New Delhi from 9-13 October, 2006. Pp 348-349.*
27. Bijay Singh, **RK Sharma**, ML Jat, Yadvinder Singh, Mahesh Gathala, Parvesh Chandna, OP Choudhary, SC Tripathi, RK Gupta, Jaspreet Kaur, Arun Srivastava, Ishwar Singh and Raj Gupta. 2006. In-season estimation of yield potential and nitrogen

- management using hand held GreenSeeker™ optical sensor in the rice-wheat system in the Indo-Gangetic plain. *Abstracts, "2nd International Rice Congress 2006 (26th International Rice Research Conference)"* held at New Delhi from 9-13 October, 2006. Pp 388-389.
28. Sahoo. RN, RK Tomar, S Pandey, P Chandna, RK Gupta, **RK Sharma**, Samar Singh, VK Sehgal, D Chakraborty and N Kalra. 2006. Remote sensing based growth monitoring of wheat in RCT adopted rice based cropping system in trans-Gangetic plain region. *Abstracts, "2nd International Rice Congress 2006 (26th International Rice Research Conference)"* held at New Delhi from 9-13 October, 2006. Pp 495.
 29. Babu, KS, Ak Sharma, **RK Sharma**, RS Chhokar, Kamlesh Kumar and B Mishra. 2006. Effect of tillage practices on insect pests of rice in rice-wheat rotation of north-western Indo-Gangetic plains. *Abstracts, "2nd International Rice Congress 2006 (26th International Rice Research Conference)"* held at New Delhi from 9-13 October, 2006. Pp 504-505.
 30. Singh Samar, Lav Bhushan, RS Chhokar, **RK Sharma**, JK Ladha and RK Gupta. 2006. Effect of cultural practices and herbicides on weeds in dry seeded rice (*Oryza sativa* L.). *Abstracts, "2nd International Rice Congress 2006 (26th International Rice Research Conference)"* held at New Delhi from 9-13 October, 2006. Pp 527.
 31. Tripathi SC, **RK Sharma**, RS Chhokar, Randhir Singh, Ramendra Singh and Ajay Kumar. 2006. Enhancing wheat area and production through autumn sugarcane+wheat intercropping using new resource conservation technologies. *Abstracts, "National symposium on conservation agriculture and environment"* organized by Indian Society of Agronomy at BHU, Varanasi on 26-28 October.
 32. Bijay Singh, **RK Sharma**, ML Jat, Yadvinder Singh, Varinderpal Singh, Parvesh Chandna, OP Choudhary, RK Gupta, Jaspreet Kaur, HS Thind and Raj Gupta. 2007. In-season estimation of yield potential and nitrogen management using hand held GreenSeeker™ optical sensor in the rice-wheat system in the Indo-Gangetic plain. *Poster presentation for: Contributed talks on nitrogen balances in different regions of the world.*
 33. **Sharma RK**, RS Chhokar, RK Singh and SC Gill. 2008. Zero tillage wheat and unpuddled rice: the energy, labour and cost efficient alternatives to conventional rice-wheat system. *Abstracts, The 14th Australian Agronomy Conference* held at Adelaide, South Australia, 21-25 September 2008. Pp 106.
 34. Chhokar RS, **RK Sharma**, RK Singh and SC Gill. 2008. Herbicide resistance in littleseed canary grass (*Phalaris minor*) and its management. *Abstracts, The 14th Australian Agronomy Conference* held at Adelaide, South Australia, 21-25 September 2008. Pp 106.
 35. Jat ML, S Tyagi, MK Gathala, Bijay Singh, RK Sharma, YS Saharawat, ML Choudhary, S Kumar and Raj Gupta. 2008. Evaluating GreeSeeker™ optical sensor for precision nitrogen management in wheat (*Triticum aestivum*) under Indo-Gangetic plains of India. In, "Declining factor productivity and improving nutrient use efficiency" Abstracts of the National Symposium on "New Paradigms in Agronomic Research" held at Navsari, Gujarat from 19-21st Nov. 2008. Pp 57-58.
 36. Chander Subhash, RS Chhokar, **RK Sharma**, Randhir Singh, Anuj Kumar, RK Gupta, Ramesh Chand and AK Pundir. 2008. Effect of integrated nutrient management on productivity and quality of wheat. *In: Souvenir of the 4th National Symposium on "Scenario of Agriculture in Changing Climatic Condition"* October 18-19, 2008, held at SVBP University of Agriculture & Technology, Meerut (UP). Pp 289.
 37. **Sharma, RK**, Subhash Chander, RS Chhokar, Randhir Singh, Anuj Kumar, RK Gupta, Ramesh Chand and AK Pundir. 2008. Effect of tillage and nitrogen management using remote sensing based hand –field optical sensors on wheat productivity, quality and profitability. *In: Souvenir of the 4th National Symposium on "Scenario of Agriculture in Changing Climatic Condition"* October 18-19, 2008, held at SVBP University of Agriculture & Technology, Meerut (UP). Pp 288-289.

38. Chhokar RS, **RK Sharma** and Subhash Chander 2008. Improving the production and productivity of wheat through efficient herbicide resistance management and resource conservation technologies. *In: Souvenir of the 4th National Symposium on "Scenario of Agriculture in Changing Climatic Condition"* October 18-19, 2008, held at SVBP University of Agriculture & Technology, Meerut (UP). Pp 354.
39. Chhokar RS, **RK Sharma** and Subhash Chander. 2009. Safe and efficient use of herbicide. *In the workshop on, "Role of Pesticide Application Technology in Crop Protection: Towards Sustainability Agriculture"* from 20 -22 January 2009 organised by CIPFT, Gurgaon at Scope Convention Centre, New Delhi, India.
40. **Sharma RK**, RS Chhokar, MK Gathala, AK Pundir, Rajpal Yadav, Subhash Chander and RK Singh. 2009. Effect of residue management options on soil properties and productivity of wheat under rice-wheat system. *Abstracts, 4th World congress on conservation agriculture*, theme, "*Innovation for Improving Efficiency, Equity and Environment*" held at New Delhi, India from 4-7 February, 2009. Pp 56.
41. Chhokar RS, **RK Sharma**, Subhash Chander and RK Singh. 2009. Tillage and residue management effects on weeds in rice-wheat cropping system. *Abstracts, 4th World congress on conservation agriculture*, held at New Delhi, India from 4-7 February, 2009. Pp 83.
42. Sahoo RN, RK Tomar, Suraj Pandey, P Chandna, RK Gupta, N Kumar, VK Gupta, **RK Sharma** and KS Babu. 2009. Identification of potential zones for resource conservation technologies and its discrimination through multispectral remote sensing. *Abstracts, 4th World congress on conservation agriculture*, held at New Delhi, India from 4-7 February, 2009. Pp 97.
43. Subhash Chander, **RK Sharma**, RS Chhokar, Randhir Singh and Ajay Kumar. 2009. Productivity and quality of wheat as influenced by farmers' participatory integrated nutrient management. *Abstracts, 4th World congress on conservation agriculture*, held at New Delhi, India from 4-7 February, 2009. Pp 380.
44. Babu KS, **RK Sharma**, AK Sharma and B Mishra. 2009. Role of conservation agricultural practices on insect pest dynamics of wheat in rice-wheat cropping system. *Abstracts, 4th World congress on conservation agriculture*, held at New Delhi, India from 4-7 February, 2009. Pp 451.
45. Chhokar RS, **RK Sharma** and SC Gill. 2010. Herbicide resistance in weeds in rice-wheat system-present status. *Abstracts, National symposium on integrated weed management in the era of climate change*, organised by Indian Society of Weed Science at NASC, New Delhi, India from 21-22 August, 2010. Pp 40-41.
46. **Sharma, RK**. 2011. Resource conservation technologies for the productivity and profitability of rice-wheat system. *Abstracts of oral and poster presentations, 3rd International Group meeting on, "Wheat productivity enhancement under changing climate"*. 9-12 February, 2011, UAS, Dharwad, India. Pp135-136.
47. Islam Shahnawazul, Kirti Sharma, Mohd. Samir Farooqi, KK Chaturvedi, Hari Om Agarwal, Naved Sabir, JP Sharma, **RK Sharma**, Jag Shoran, AK Sharma, Randhir Singh and RK Gupta. 2011. Expert system on wheat crop management for productivity enhancement. *Abstracts of oral and poster presentations, 3rd International Group meeting on, "Wheat productivity enhancement under changing climate"*. 9-12 February, 2011, UAS, Dharwad, India. Pp147.
48. Meena RP, Subhash Chander, RS Chhokar and **RK Sharma**. 2011. Evaluation of wheat genotypes of northern hill region under varying fertility levels in alpine condition of high altitude Western Himalayan region. *Abstracts of oral and poster presentations, 3rd International Group meeting on, "Wheat productivity enhancement under changing climate"*. 9-12 February, 2011, UAS, Dharwad, India. Pp162-163.
49. Singh R, D Coventry, **RK Sharma**, RK Gupta, RS Chhokar, Subhash Chander Gill, Anuj Kumar, Ashok Kumar Yadav, Amrit Bir Singh Riar and Jay Cummins. 2011. Effect of tillage and nutrient management on wheat yield and quality in rice wheat rotation. *Abstracts of oral and poster presentations, 3rd International Group meeting on, "Wheat*

productivity enhancement under changing climate". 9-12 February, 2011, UAS, Dharwad, India. Pp 278.

(viii) Technical Reports

1. Chauhan DS; SC Tripathi, **RK Sharma** and S. Nagarajan (1995). DWR Progress Report, 1994-95. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal- 132 001.
2. Chauhan DS; Karamjit Singh, **RK Sharma** and SC Tripathi (1995). Annual Progress Report of the Barley Network 1994-95 (Resource Management), Directorate of Wheat Research, Karnal, India.
3. Chauhan DS; **RK Sharma** and S Nagarajan (1996). DWR Progress Report, 1995-96. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal - 132 001.
4. Chauhan DS and **RK Sharma** (1996). Annual Progress Report of the barley Network 1995-96 (Resource Management), Directorate of Wheat Research, Karnal, India.
5. Chauhan DS; **RK Sharma** and S Nagarajan (1997). DWR Progress Report, 1996-97. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal - 132 001.
6. Chauhan DS and **RK Sharma** (1997). Annual Progress Report of the Barley Network 1996-97 (Resource Management), Directorate of Wheat Research, Karnal, India.
7. Chauhan DS; **RK Sharma** and S Nagarajan (1998). DWR Progress Report, 1997-98. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal - 132 001.
8. Chauhan DS and **RK Sharma** (1998). Annual Progress Report of the Barley Network 1997-98 (Resource Management), Directorate of Wheat Research, Karnal, India.
9. Chauhan DS; **RK Sharma**, AS Kharub, RS Chhokar and S Nagarajan (1999). DWR Progress Report, 1998-99. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal - 132 001.
10. Chauhan DS; **RK Sharma**, AS Kharub and RS Chhokar (1999). Annual Progress Report of the Barley Network 1998-99 (Resource Management), Directorate of wheat Research, Karnal.
11. Chauhan DS; **RK Sharma**, AS Kharub, SC Tripathi, RS Chhokar and S Nagarajan (2000). DWR Progress Report, 1999-2000. Resource Management, Volume 4. AICWIP, Directorate of wheat Research, Karnal - 132 001.
12. Chauhan DS; **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar (2000). Annual Progress Report of the Barley Network 1999-2000 (Resource Management), Directorate of Wheat Research, Karnal, India.
13. Chauhan DS; **RK Sharma**, AS Kharub, SC Tripathi, RS Chhokar and S Nagarajan (2001). DWR Progress Report, 2000-01. Resource Management, Volume 4. AICW&BIP, Directorate of wheat Research, Karnal - 132 001.
14. Chauhan DS; **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar (2001). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2000-01. Volume IX. BARLEY (Resource Management). Directorate of Wheat Research, Karnal, India.
15. Chauhan DS; AD Mongia, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar (2002). DWR Progress Report, 2001-02. Resource Management, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (2002).
16. Mongia AD; **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar ((2002). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2001-02. Volume VI. BARLEY (Resource Management). Directorate of Wheat Research, Karnal, India.
17. Jag Shoran; AD Mongia, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar (2003). DWR Progress Report, 2002-2003. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)

18. Mongia AD; **RK Sharma** (2003). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2002-03. Volume VI. BARLEY NETWORK (Resource Management). Directorate of Wheat Research, Karnal, India.
19. Mongia AD; **RK Sharma**, AS Kharub, SC Tripathi, RS Chhokar and Jag Shoran (2004). DWR Progress Report, 2003-2004. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)
20. Mongia AD; **RK Sharma** (2004). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2003-04. Volume VI. BARLEY NETWORK (Resource Management). Directorate of Wheat Research, Karnal, India.
21. **Sharma RK**, AS Kharub, SC Tripathi, RS Chhokar, AD Mongia, Jag Shoran and B Mishra (2005). DWR Progress Report, 2004-2005. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)
22. **Sharma RK** and RS Chhokar (2005). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2004-05. Volume VI. BARLEY NETWORK (Resource Management). Directorate of Wheat Research, Karnal, India.
23. **Sharma RK**, SC Tripathi, AS Kharub, RS Chhokar and B Mishra (2006). DWR Progress Report, 2005-2006. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India).
24. **Sharma RK** and RS Chhokar (2006). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2005-06. Volume VI. BARLEY NETWORK (Resource Management). Directorate of Wheat Research, Karnal, India.
25. **Sharma RK**, SC Tripathi, Subhash Chander, RS Chhokar, Karamjit Singh and B Mishra (2007). DWR Progress Report, 2006-2007. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India).
26. Kharub AS and **RK Sharma** (2007). Progress Report of the All India Coordinated Wheat and Barley Improvement Project 2006-07. Volume VI. BARLEY NETWORK (Resource Management). Directorate of Wheat Research, Karnal, India.
27. **Sharma RK**, Subhash Chander, RS Chhokar and B Mishra (2008). DWR Progress Report, 2007-08. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India).
28. Anonymous 2009. Progress Report of All India Coordinated Wheat & Barley Improvement Project 2008-09. Resource Management. Eds: **RK Sharma**, Subhash Chander, RS Chhokar S Lata and SS Singh. Volume 2. Directorate of wheat Research, Karnal, India. P 168.
29. Anonymous 2010. Progress Report of All India Coordinated Wheat & Barley Improvement Project, 2009-10, Volume 2. Resource Management, Eds.; **Sharma RK**, Subhash Chander, RS Chhokar, Ajay Verma, RP Meena and SS Singh. Directorate of wheat Research, Karnal, India. P 169.
30. Anonymous 2011. Progress Report of All India Coordinated Wheat & Barley Improvement Project, 2010-11, Volume 2. Resource Management, Eds.; **Sharma RK**, Subhash Chander, RS Chhokar, RP Meena, Anita Meena, SC Tripathi, Ajay Verma and Indu Sharma. Directorate of wheat Research, Karnal, India. P 176.
31. Anonymous 2012. Progress Report of All India Coordinated Wheat & Barley Improvement Project, 2011-12, Volume II. Resource Management, Eds.; **Sharma RK**, SC Tripathi, Subhash Chander, RS Chhokar, RP Meena, Anita Meena, Ajay Verma and Indu Sharma. Directorate of wheat Research, Karnal, India. P 236.

(ix) Workshop Presentations

1. Chauhan DS; SC Tripathi and **RK Sharma** 1995. Response of organic and inorganic fertiliser in maximising wheat yield under NWPZ. *Paper presented in 34th All India Wheat Research Worker's Workshop during 25th to 28th August at UAS, Dharwad.*
2. Chauhan DS; **RK Sharma** and SC Tripathi, 1995. Bridging the yield gap in barley through front-line demonstration. *Paper presented in barley network group meeting on 29th August at UAS, Dharwad.*

3. Chauhan DS; SC Tripathi, **RK Sharma** and S Nagarajan. 1995. Summary report of significant finding of wheat agronomy. Paper presented in 34th All India Wheat Research Worker's Meeting during 25th to 28th August at UAS, Dharwad.
4. Chauhan DS; Karamjit Singh, **RK Sharma** and SC Tripathi. 1995. Summary report of significant finding of barley agronomy. Paper presented in the 28th Meeting of barley Network held on 29th August at UAS, Dharwad.
5. Chauhan DS; **RK Sharma** and S Nagarajan. 1996. Summary report of significant finding of wheat agronomy. Paper presented in 35th All India Wheat Research Worker's Meeting during 21st to 23rd August at IARI, New Delhi.
6. **Sharma RK** and DS Chauhan. 1996. Test report of New Herbicides. Paper presented in 35th All India Wheat Research Worker's Meeting during 21st to 23rd August at IARI, New Delhi.
7. Chauhan DS; and **RK Sharma**. 1996. Summary report of significant finding of barley agronomy. Paper presented in the 29th Meeting of barley Network held on 4th September at DWR, Karnal.
8. Chauhan DS; **RK Sharma** and S Nagarajan. 1997. Summary report of significant finding of wheat agronomy. Paper presented in 36th All India Wheat Research Worker's Meeting during 19th to 22nd August at CCSHAU, Hisar.
9. Chauhan DS; and **RK Sharma**. 1997. Summary report of significant finding of barley agronomy. Paper presented in the 30th Meeting of barley Network held on 23rd August at CCSHAU, Hisar.
10. **Sharma RK** and DS Chauhan. 1997. Test report of New Herbicides. Paper presented in 36th All India Wheat Research Worker's Meeting during 19th to 22nd August at CCSHAU, Hisar.
11. Chauhan DS; **RK Sharma**, and S Nagarajan. 1998. Summary report of significant finding of wheat agronomy. Paper presented in 37th All India Wheat Research Worker's Meeting during 28th to 31st August at GAU, Junagarh, Gujarat.
12. **Sharma RK** and DS Chauhan. 1998. Test report of New Herbicides. Paper presented in the 37th All India Wheat Research Worker's Meeting during 28th to 31st August at GAU, Junagarh, Gujarat.
13. Chauhan DS; and **RK Sharma**. 1998. Summary report of significant finding of barley agronomy. Paper presented in the 31st Meeting of barley Network held on 27th August at GAU, Junagarh, Gujarat.
14. Chauhan DS; **RK Sharma**, AS Kharub, RS Chhokar and S Nagarajan. 1999. Summary report of significant finding of wheat agronomy. Paper presented in the 38th All India Wheat Research Worker's Meeting during 25th to 28th August at PAU, Ludhiana, Punjab.
15. **Sharma RK**; RS Chhokar, AS Kharub and DS Chauhan. 1999. Test report of New Herbicides. Paper presented in the 38th All India Wheat Research Worker's Meeting during 25th to 28th August at PAU, Ludhiana, Punjab.
16. Chauhan DS; **RK Sharma** AS Kharub and RS Chhokar. 1999. Summary report of significant finding of barley agronomy. Paper presented in the 32nd Meeting of Barley Network held on 30th August at DWR, Karnal.
17. Chauhan DS, RS Chhokar, **RK Sharma**, AS Kharub and SC Tripathi, 2000. Test report of new herbicides. Paper presented in 39th All India Wheat Research Workers' Meeting during 27th to 30th August at BHU, Varanasi.
18. Chauhan DS, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2000. Summary report of significant finding of wheat agronomy. Paper presented in 39th All India Wheat Research Workers' Meeting during 27th to 30th August at BHU, Varanasi.
19. Chauhan DS, RS Chhokar, **RK Sharma**, AS Kharub and SC Tripathi, 2001. Test report of new herbicides. Paper presented in 40th All India wheat research workers meet during 21-24th August at IARI, New Delhi.
20. Chauhan DS, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2001. Summary report of significant finding of wheat agronomy. Paper presented in 40th All India wheat research workers meet during 21-24th August at IARI, New Delhi.

21. Chauhan DS, RS Chhokar, **RK Sharma**, AS Kharub and SC Tripathi, 2002. Test report of new herbicides. Paper presented in 41st All India wheat and barley research workers meet at IARI RS, Indore, 24-27th August.
22. Mongia AD, **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2002. Summary report of significant finding of wheat agronomy. *Paper presented in 41st All India wheat and barley research workers meet at IARI RS, Indore, 24-27th August.*
23. **RK Sharma**, AD Mongia, AS Kharub, SC Tripathi and RS Chhokar. 2002. Summary report of significant finding of barley agronomy. *Paper presented in 41st All India wheat and barley research workers meet at IARI RS, Indore, 24-27th August.*
24. **Sharma RK**; AD Mongia, AS Kharub, SC Tripathi and RS Chhokar. 2003. Highlights of Resource Management Programme 2002-2003. *Paper presented in 42nd All India wheat and barley research workers meet at GBPUA&T, Pantnagar, 22-25th August.*
25. **Sharma RK**. 2003. New tillage technologies to economise the wheat production. *Paper presented in 42nd All India wheat and barley research workers meet at GBPUA&T, Pantnagar, 22-25th August.*
26. **RK Sharma**, AS Kharub, SC Tripathi and RS Chhokar. 2003. Report of the significant findings of barley agronomy. *Paper presented in 42nd All India wheat and barley research workers meet at GBPUA&T, Pantnagar, 22-25th August.*
27. Chhokar RS, AD Mongia, **RK Sharma**, AS Kharub and SC Tripathi. 2003. Test report of new herbicides. *Paper presented in 42nd All India wheat and barley research workers meet at GBPUA&T, Pantnagar, 22-25th August.*
28. Mongia AD; **RK Sharma**, AS Kharub, SC Tripathi, RS Chhokar and Jag Shoran. 2004. Highlights of Resource Management Programme 2003-04. *Paper presented in 43rd All India Coordinated Wheat and Barley Workers Meet at IARI, New Delhi from 27-30 August 2004.*
29. Mongia AD; **RK Sharma**. 2004. Report of the significant findings of barley agronomy 2003-04. *Paper presented in 43rd All India Coordinated Wheat and Barley Workers Meet at IARI, New Delhi from 27-30 August 2004.*
30. Singh Samar, **RK Sharma**, RK Gupta, AD Mongia and SS Singh. 2005. Changes in rice-wheat production technologies and how it became success story: Lessons from zero tillage wheat. Paper presented in the workshop held at GBPUA&T, Pantnagar from 1-2 February 2005.
31. **Sharma RK**, AS Kharub, SC Tripathi, RS Chhokar, AD Mongia, Jag Shoran and B Mishra. 2005. Highlights of Resource Management Programme 2004-05. *Paper presented in 44th All India wheat and barley research workers meet at University of Agricultural Sciences, Dharwad, 27-30th August.*
32. **Sharma RK** and RS Chhokar. 2005. Report of the significant findings of barley agronomy 2004-05. *Paper presented in 44th All India wheat and barley research workers meet at University of Agricultural Sciences, Dharwad, 27-30th August.*
33. **Sharma RK**, SC Tripathi, AS Kharub, RS Chhokar and B Mishra 2006. Highlights of Resource Management Programme 2005-06. *Paper presented in 45th All India wheat and barley research workers meet at CSAUA&T, Kanpur, 18-21st August, 2006.*
34. **Sharma RK** and RS Chhokar. 2006. Report of the significant findings of barley agronomy 2005-06. *Paper presented in 45th All India wheat and barley research workers meet at CSAUA&T, Kanpur, 18-21st August, 2006.*
35. **Sharma RK**; SC Tripathi, Subhash Chander, RS Chhokar, Karamjit Singh and B Mishra.. 2007. Highlights of Resource Management Programme 2006-2007. *Paper presented in 46th All India wheat and barley research workers meet at College of Agriculture, Pune, 24-27th August, 2007.*
36. Kharub AS and **RK Sharma**. 2007. Report of the significant findings of barley agronomy 2006-07. *Paper presented in 46th All India wheat and barley research workers meet at College of Agriculture, Pune, 24-27th August, 2007.*
37. **Sharma RK**, Subhash Chander, RS Chhokar and B Mishra. 2008. Highlights of Resource Management Programme 2007-2008. *Paper presented in 47th All India wheat and barley research workers meet at CCSHAU Hisar, 17-20th August, 2008.*

38. **Sharma RK**, Subhash Chander, RS Chhokar S Lata and SS Singh. 2009. Highlights of Resource Management Programme 2008-09. *Paper presented in 48th All India wheat and barley research workers meet at IARI, New Delhi, 28-31th August, 2009.*
39. **Sharma RK**, Subhash Chander, RS Chhokar, Ajay Verma, RP Meena and SS Singh. 2010. Highlights of Resource Management Programme 2009-10, *Paper presented in 49th All India wheat and barley research workers meet at PAU, Ludhiana, 27-30th August, 2010.*
40. **Sharma RK**, Subhash Chander, RS Chhokar, RP Meena, Anita Meena, SC Tripathi, Ajay Verma and Indu Sharma. 2011. Highlights of Resource Management Programme 2010-11, *Paper presented in 50th All India wheat and barley research workers meet at NASC complex, New Delhi, 1-4th September 2011.*
41. **Sharma RK**, SC Tripathi, Subhash Chander, RS Chhokar, RP Meena, Anita Meena, Ajay Verma and Indu Sharma. 2012. Highlights of Resource Management Programme 2011-12, *Paper presented in the 51st All India wheat and barley research workers meet at RAU Regional Station, Durgapura, 24-27th August, 2012.*

(x) Training Lectures

1. **Sharma RK**. 1985. Water requirement and irrigation of Potato seed crop. *First training course on Potato Seed Production and Certification*, CPRS, Modipuram, December 1985.
2. **Sharma RK**. 1985. Water requirement and irrigation of Potato seed crop. *Second training course on Potato Seed Production and Certification*, CPRS, Modipuram, 24th November to 7th December 1986.
3. **Sharma RK**. 1996. Role of micronutrient in sustainability of rice-wheat system. *Roaming seminar on quality wheat production technology.*
4. **Sharma RK**. 1997. Abiotic Health Problems in Wheat. *Course on IPM in Wheat with Emphasis on Survey and Surveillance*. 16-18 January 1997. DWR, Karnal.
5. **Sharma RK**. 1998. Nutrient deficiencies, their identification and management. *Special training for extension workers on wheat production technology*. 17-19 March 1998, DWR, Karnal.
6. **Sharma RK**. 1998. Alternate tillage and machines for profitable wheat production. *Special training for extension workers on wheat production technology*. 17-19 March, 1998, DWR, Karnal
7. **Sharma RK**. 1999. Physiological diseases/abiotic health problems of wheat. *In Fourth course on "IPM in wheat with emphasis on field diagnosis"*. Organised by the Crop Protection Programme, DWR, Karnal from 28 to 30 January 1999.
8. **Sharma RK**. 1999. New molecules for weed control in wheat. *In Special training programme on "Management of weed in wheat based cropping systems"*. Organised by the Resource Management Programme, DWR, Karnal from 24 to 26 March 1999.
9. **Sharma RK**. 1999. Discussion on new tillage machines and field visit to DWR farm. *In Special training programme on "Management of weed in wheat based cropping systems"*. Organised by the Resource Management Programme, DWR, Karnal from 24 to 26 March 1999.
10. **Sharma RK**. 2001. Zero tillage technology for seed production. *In Special training programme on, "Seed production, certification, processing and storage of seed" for SCADA officials*. Organised by IARI Regional Station, Karnal- 132 001 from 17-22 September 2001.
11. **Sharma RK**. 2001. Package of practices of wheat and new tillage options. *In, training on, "Crop cultivation and production trade" for students of Government Vocational Institute, Karnal organised at the DWR, Karnal from 1-3 February 2001.*
12. **Sharma RK**. 2001. Demonstration of minimum tillage equipment developed at DWR, Karnal. *In Special training programme on, "Seed production, certification, processing and storage of seed" for SCADA officials organised by IARI Regional Station, Karnal- 132 001 from 17-22 September 2001.*

13. **Sharma RK.** 2005. Resource conservation technologies for rice-wheat system. *In Winter School on "Advances in Engineering and Agronomic Interventions for Declining Water table Areas"*, CSSRI, Karnal, Nov 7-27, 2005.
14. **Sharma RK.** 2007. Resource conservation technologies and conservation agriculture for the sustainability of rice-wheat system. *In Summer School on "Resource conserving techniques for improving input use efficiency and crop productivity"*, IARI, New Delhi, September 4-24, 2007.
15. **Sharma RK.** 2008. Resource conservation technologies in wheat. *In Farmer Scientist Meet under ATMA scheme on, "Reducing yield gaps in wheat production"* organised by Krishi Vigyan Kendra, Uchani, Karnal at CCSHAU RRS, Uchani from 14-15 March 2008.
16. Chhokar RS, **RK Sharma**, RK Singh and SC Gill. 2008. Integrated weed management in rice-wheat system. *In Winter school on, "Advances in genetic enhancement and resource conservation technologies for enhanced productivity, sustainability and profitability of rice-wheat system"* from Jan 10-30, 2008, Directorate of Wheat Research, Karnal- 132001, Haryana.
17. Chhokar RS, **RK Sharma**, RK Singh and SC Gill. 2008. Herbicide resistance in rice-wheat system. *In Winter school on, "IPM in wheat based cropping system"* from Feb 5-25, 2008. Directorate of Wheat Research, Karnal- 132001, Haryana.
18. **Sharma RK.** 2008. Conservation agriculture for managing soil and water resources. *In Summer School on, "Chemical change and nutrients transformation in sodic/poor quality water irrigated soils"* from Sept. 27 to Oct. 17, 2008, CSSRI, Karnal, Haryana, India
19. **Sharma RK.** 2008. Conservation technologies for efficient management of inputs and natural resources. *In winter school on, "Recent advances in diagnostic technologies and management of poor quality water/soils"* from Nov.18 – Dec. 08, 2008, CSSRI, Karnal, Haryana, India
20. **Sharma RK.** 2008. GreenSeeker technology for need based nitrogen management in wheat. *In training on, "Methods for soil, plant and climatic analysis"* from 13-22 December, 2008, CSSRI, Karnal, Haryana, India
21. **Sharma RK.** 2009. Resource Conservation Technologies in Rice-Wheat System: Retrospect and Prospects. *In Short course on, "Site specific integrated nutrient management in rice and rice- based cropping system"* from 4-13 February, 2009, Directorate of Rice Research, Hyderabad. 500 030, AP, India
22. **Sharma RK.** 2009. Potential of Resource Conservation Technologies for improving water productivity. *In Winter School on, Efficient water management in intensive cropping system"* from February 10 to March 2, 2009, Department of Soils, Punjab Agricultural University, Ludhiana. 141 004, Punjab, India.
23. **रमेश कुमार शर्मा.** 2009. सीधे बोजे धान की समस्याएं एवं निवारण । *वासमती चावल/धान उत्पादन तकनीक एवं सम्बन्धित विषयों में प्रगती पर कृषक प्रशिक्षण । अगस्त 27 से सितम्बर 5, 2009 । भारतीय कृषि अनुसंधान संस्थान, क्षेत्रीय स्टेशन, करनाल ।*
24. **Sharma RK.** 2011. Package of practices for seed production in wheat. *In Training programme on, "Seed entrepreneurship development in wheat"* from 25-26 February 2011, Directorate of Wheat Research, Karnal- 132001, Haryana, India.
25. **Sharma RK.** 2011. Farmer Participatory Research on Resource Conservation Agricultural Practices. *In Training programme on, "Participatory Research and Extension Management"* from 25 Nov to 4 Dec 2011, Directorate of Wheat Research, Karnal- 132001, Haryana, India.
26. **Sharma RK** and Samar Singh. 2012. Intercropping in sugarcane for greater productivity and profitability. *In Advanced training on, "Vegetable production under changing climatic scenario"* from 1st to 21st September, 2012 organised by the Centre of Advanced Faculty Training in Horticulture (Vegetables), Department of Vegetable

Science, Dr YS Parmar University of Horticulture & Forestry, Nauni-Solan 173230 (HP).

27. **Sharma RK.** 2012. Relevance of conservation agriculture under climate change. *In Advanced training on*, "Vegetable production under changing climatic scenario" from 1st to 21st September, 2012 organised by the Centre of Advanced Faculty Training in Horticulture (Vegetables), Department of Vegetable Science, Dr YS Parmar University of Horticulture & Forestry, Nauni-Solan 173230 (HP).