

## Research Papers in Referred Journals

1. **Chander, Subhash**, Sharma, K C, Jat H S and Meena R P. 2009. Influence of varieties and cutting schedules of perennial pasture grasses on soil fertility, nutrients content and uptake, productivity and economics in hot arid region of Rajasthan. *Indian Journal of Agricultural Sciences* **79**(10): 798-803. (Journal ID I017: NAAS Rating 6.6)
2. **Chander, Subhash**, Sharma, K C, Jat H S and Meena R P. 2010. Productivity and quality of arable crops and soil fertility as influenced by ley farming in hot region of Rajasthan. *Indian Journal of Agronomy* **55**(2): 157-164. (Journal ID I019: NAAS Rating 5.0)
3. Kharub A. S. and **Chander, Subhash**. 2010. Effect of nitrogen scheduling on wheat (*Triticum aestivum*) productivity and quality under alternate tillage practices. *Indian Journal of Agricultural Sciences* **80**(1): 29-32. (Journal ID IO17: NAAS Rating 6.6)
4. Kharub A. S. and **Chander, Subhash**. 2010. Integrated plant nutrient supply in rice (*Oryza sativa*)-wheat (*Triticum aestivum*) system. *Indian Journal of Agricultural Sciences* **80**(4): 282-6. (Journal ID IO17: NAAS Rating 6.6)
5. Kharub A. S. and **Chander, Subhash**. 2008. Effect of organic farming on yield, quality and soil fertility status under basmati rice (*Oriza sativa*) - wheat (*Triticum aestivum*) cropping system. *Indian Journal of Agronomy* **53** (3): 172-177. (Journal ID I019: NAAS Rating 5.0)
6. Sharma, K. C. and **Chander, Subhash**. 2007. Effect of different rejuvenation techniques and fertilization on the sewan (*Lasiurus indicus*) pasture in hot arid region of Rajasthan. *Indian Journal of Agronomy* **52**(4): 335-339. (Journal ID I019: NAAS Rating 5.0)
7. D.R. Coventry, A. Yadav, R.S. Poswal, R.K. Sharma, R.K. Gupta, R.S. Chhokar, **S.C. Gill**, V. Kumar, A. Kumar, A. Mehta, S.G.L. Kleemann, J.A. Cummins. 2011. Irrigation and nitrogen scheduling as a requirement for optimising wheat yield and quality in Haryana, India. *Field Crop Research* 123(2): 80-88. (Accepted in 2010) (Journal ID F009: NAAS Rating 7.7)
8. D.R. Coventry, R.K. Gupta, A. Yadav, R.S. Poswal, R.S. Chhokar, R.K. Sharma, V.K. Yadav, **S.C. Gill**, A. Kumar, A. Mehta, S.G.L. Kleemann, A. Bonamano, J.A. Cummins. 2011. Wheat quality and productivity as affected by varieties and sowing time in Haryana, India. *Field Crop Research* 123(3): 214-225. (Accepted in 2010) (Journal ID F009: NAAS Rating 7.7)

9. D.R. Coventry, R.S. Poswal, A. Yadav, R.K. Gupta, **S.C. Gill**, R.S. Chhokar, V. Kumar, R.K. Sharma, A. Kumar, A. Mehta, S.G.L. Kleemann, J.A. Cummins. 2011. Effect of tillage and nutrient management on wheat productivity and quality in Haryana, India. *Field Crop Research* 123(3): 234-240. (Accepted in 2010) (Journal ID F009: NAAS Rating 7.7)
10. Tripathi, S.C., Subhash Chander and Raj Pal Meena. 2012. Effect of early sowing, N levels and seed rates on yield and yield attributes of different wheat varieties. *Indian Journal of Agronomy*. (Submitted) (Journal ID I019: NAAS Rating 5.0)

### **Editors of Annual Reports/FLD Reports**

1. Sharma, R. K., **Subhash Chander**, R. S. Chhokar and B. Mishra (Eds). DWR Progress Report, **2007-2008**. Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)
2. Sharma, R. K., **Subhash Chander**, R. S. Chhokar, Suman Lata and S. S. Singh (Eds). 2008-2009. DWR Progress Report, Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)
3. Sharma, R. K., **Subhash Chander**, R. S. Chhokar, Raj Pal Meena, Ajay Verma, Suman Lata and S. S. Singh (Eds). 2009-2010. DWR Progress Report, Resource Management Programme, Volume 2. AICW&BIP, Directorate of wheat Research, Karnal - 132 001. (India)

### **Technical/extension bulletin, Training manual**

#### **Technical bulletins/books**

1. Singh Randhir, Anuj Kumar, R. K. Sharma, R. K. Gupta, **Subhash Chander**, R. S. Chhokar, Ajay Kumar, Ramesh Chand, Ashok Yadav, J. Cummins, David Coventry and B. Mishra. 2008. *Gehoon phasal avlokan. Gehoon Vistar Bulletin – 25* (Hindi), Directorate of Wheat Research, Karnal-132001.
2. Singh Randhir, Anuj Kumar, Jag Shoran, A. K. Sharma, R. K. Sharma, R. S. Chhokar, **Subhash Chander**, Ramesh Chand and B. Mishra. 2008. *Madhya Kshetra ke liye gehoon utpaadadan pradyogikee. Gehoon Vistar Bulletin – 26* (Hindi), Directorate of Wheat Research, Karnal-132001.

3. Singh Randhir, Anuj Kumar, R. K. Sharma, R. K. Gupta, **Subhash Chander**, R. S. Chhokar, Ajay Kumar, Ramesh Chand, J. Cummins, David Coventry and Jag Shoran. 2009. Monitoring wheat crop for sustainable productivity and profit. *ACIAR Project No. CIM/2006/094 Technical Bulletin No.10*, Directorate of Wheat Research, Karnal-132001.
4. Singh Randhir, Anuj Kumar, R. K. Sharma, R. K. Gupta, **Subhash Chander**, R. S. Chhokar, Ajay Kumar, Ramesh Chand, J. Cummins, David Coventry and Jag Shoran. 2009. *Tikaao utpaadakata avum laabh ke liye Gehoon phasal kaa avlokan (Hindi)*. *ACIAR Project No. CIM/2006/094 Technical Bulletin No.11*, Directorate of Wheat Research, Karnal-132001.
5. Singh Randhir, Anuj Kumar, Jag Shoran, R. K. Gupta, R. K. Sharma, A. K. Sharma, R. S. Chhokar, **Subhash Chander**, Ramesh Chand and S. S. Singh. 2009. *Gehoon Utpadan Prodyogiki, Gehoon Vistar Bulletin – 27 (Hindi)*, Directorate of Wheat Research, Karnal-132001.
6. Singh Randhir, Anuj Kumar, Jagshoran, RK Gupta, AK Sharma, RK Sharma, RS Chhokar, **Subhash Chander**, Ramesh Chand and SS Singh. 2010. Increasing Wheat Production and Profitability through Improved Technology, Extension Bulletin No. 29, DWR, Karnal, Pages-31

## Book chapters/ Extension leaflets/folders

### Book Chapter

1. Rajender Singh Chhokar, Ramesh Kumar Sharma, **Subhash Chander** and Samar Singh. 2007. *Beej kee phasalon mein akeekrit avum pratirodhi kharpatwar prabandhan (Hindi)*. *In: Kharpatwar mukta Beej Utpadan-Krishak Prashikshan Patrawali (Eds. Neelam Kumar Chopra, Nisha Kant Chopra, Sachchidanand Sinha and Dharendra Chaudhary)*. IARI Regional Station, Karnal (Haryana). Pp.35-39.
2. **Subhash Chander Gill**, R. S. Chhokar, R. K. Sharma and A. S. Kharub. 2008. Integrated Nutrient Management in Rice – Wheat cropping system. *In: Compendium of Winter School on “Advances in genetic enhancement and resource conservation technologies for enhanced productivity, sustainability and profitability in rice-wheat system”* conducted by Directorate of Wheat Research, Karnal from Jan. 10- 30, 2008.
3. R. S. Chhokar, R. K. Sharma and **Subhash Chander Gill**. 2008. Integrated Weed Management in Rice – Wheat cropping system. *In: Compendium of Winter School on “Advances in genetic enhancement and resource conservation technologies for enhanced productivity, sustainability and profitability in rice-wheat system”* conducted by Directorate of Wheat Research, Karnal from Jan. 10- 30, 2008.

4. R. K. Sharma, R. S. Chhokar and **Subhash Chander Gill**. 2008. Resource conservation Technologies in Rice – Wheat cropping system. *In*: Compendium of Winter School on “Advances in genetic enhancement and resource conservation technologies for enhanced productivity, sustainability and profitability in rice-wheat system” conducted by Directorate of Wheat Research, Karnal from Jan. 10- 30, 2008.
5. R. S. Chhokar, R. K. Sharma and **Subhash Chander Gill**. 2008. Herbicide resistance in Rice – Wheat cropping system. *In*: Compendium of Winter School on “IPM in Wheat based cropping system” conducted by Directorate of Wheat Research, Karnal from Feb. 05- 25, 2008.
6. R. K. Sharma, R. S. Chhokar and **S. C. Gill**. 2008. New crop production technologies in Wheat based cropping systems. *In*: Compendium of Winter School on “IPM in Wheat based cropping system” conducted by Directorate of Wheat Research, Karnal from Feb. 05- 25, 2008.
7. Ramesh Kumar Sharma, Rajender Singh Chhokar and **Subhash Chander Gill**. 2008. *Dhaan utpaadan mein saadhan sanrakshan taknikian* (Hindi). *In*: Dhaan Beej Utpaadan Kaa Shasya Prabandhan-Krishak Prashikshan Patrawali (Eds. Neelam Kumar Chopra, Nisha Kant Chopra, Sachchidanand Sinha and Dharendra Chaudhary). IARI Regional Station, Karnal (Haryana). Pp.28-32.
8. Ramesh Kumar Sharma, **Subhash Chander Gill** and Rajender Singh Chhokar. 2009. *Gehoon mein sansaadhan prabandhan: Aek Avlokan*. *In*: **Gehoon avun Jau Swaranima**. Gyanendra Singh, Anuj Kumar, Bhudev Singh Tyagi, Jag Shoran and Shyam Sunder Singh (Eds.), Directorate of Wheat Research, Karnal. 1: 17-28.
9. Sharma Ramesh Kumar, S. C. Tripathi, **Subhash Chander Gill**, Rajender Singh Chhokar and Raj Pal Meena. 2011. Agronomy. *In*: **100 Years of Wheat Research in India-A saga of distinguished achievements**. SS Singh, RK Shurma, Gyanendra Singh, BS Tyagi and MS Saharan (Eds.), Directorate of Wheat Research, Karnal (**Haryana**) **India**: 105-140.
10. Randhir Singh, David Coventry, R. K. Sharma, R. K. Gupta, R. S. Chhokar, **Subhash Chander Gill**, Anuj Kumar, Ashok Kumar Yadav, Amrit Bir Singh Riar and Jay Cumins. 2012. Effect of tillage and nutrient management on wheat yield and quality in rice-wheat rotation. *In*: **Wheat Productivity Enhancement under Changing Climate**. (S. S. Singh, R. R. Hanchinal, Gyanendra Singh, R. K. Sharma, B. S. Tyagi, M. S. Saharan and Indu Sharma-Eds) Published by Narosa Publishing House, New Delhi. Pp. 211-217.

#### **Technical/ popular Articles**

1. Sharma R. K., R. S. Chhokar and **Subhash Chander**. 2007. Resource Conservation tillage technologies for sustainability and higher productivity of rice-wheat system. *Journal of Wheat Research* 1(1&2): 97-102.

2. R. S. Chhokar, Sharma R. K. and **Subhash Chander**. 2007. Managing weeds in wheat. *Journal of Wheat Research* **1**(1&2): 103-107.
3. **Subhash Chander**, R. S. Chhokar and Sharma R. K.. 2008. Efficient and effective nutrient management strategies in wheat. *Journal of Wheat Research* **2**(1): 71-75.
4. Chhokar R. S., R. K. Sharma; A. K. Pundir and **S. C. Gill**. 2008. Beware of Poor quality herbicides that can damage your crop. *Pestology* **XXXII** (9): 50-52.
5. S. C. Tripathi and **S. C. Gill**. 2008. Enhancing wheat productivity by early sowing. *DWR News* **2** (1): 12.
6. Sharma R. K., R. S. Chhokar, **S. C. Gill**, and Jagshoran. 2009. Efficient crop residue management: a key to conservation agriculture. *Indian Farming* **58** (11): 27-31.
7. Sharma R. K., R. S. Chhokar, **Subhash Chander Gill**, R. K. Singh and Raj K. Gupta. 2009. Need based nitrogen application in rice and wheat crops using NDVI sensors. *Wheat and barley News Letter* **3** (2): 3-4.
8. Gill, Subhash Chander, Karamjit Singh, R. S. Chhokar, R. K. Singh and R. K. Sharma. 2009. Apply urea before irrigation for higher N use efficiency and wheat Productivity. *Wheat and barley News Letter* **3** (2): 4.
9. Chhokar R. S., R. K. Sharma, S. C. Gill and R. K. Singh. 2009. Carfentrzone for controlling Malva parviflora and Solanum nigrum in wheat. *Wheat and barley News Letter* **3** (2): 4.
10. Meena, Raj Pal, Singh, S. K., Gill, S. C. and Singh, Dharmendra. 2009. Agrochemicals and their implications in agriculture. *Crop to cash* **1** (3): 6-9.
11. Chhokar R. S., R. K. Sharma; **S. C. Gill** and R. K. Singh. 2010. Efficacy of AE F130060 and MKH 6561 in controlling weeds in wheat. *Pestology* **XXXIV** (6): 35-39.
12. Chhokar R.S., S.C. Gill, R.K. Sharma and B. Mishra. 2010. Dalhan tatha Tilhan faslon mein samekit kharpatvar parbandhan. (In Hindi) *Khad Patrika* **50** (2): 37-42.
13. Gill, Subhash Chander, R. S. Chhokar, R. K. Sharma and R. P. Meena. 2010. Can we top dress Single Super Phosphate at first irrigation to wheat. *Wheat and barley News Letter* **4** (1): 5.
14. Sharma R. K., R. S. Chhokar, **Subhash Chander Gill** and R. K. Singh 2010. Performance of summer moong bean in presence of surface retained residues. *Wheat and barley News Letter* **4** (1): 5.
15. Tripathi, S. C., **Subhash Chander Gill**, and R. P. Meena. 2010. Reduced paddy yield under double no till condition. *Wheat and Barley News Letter* **4** (1): 6.
16. Sharma R. K., R. S. Chhokar, **S. C. Gill** and S. S. Singh. 2010. Resource management for increased wheat productivity. *Indian Farming* **60** (5): 18-23.
17. **Subhash Chander**, R. S. Chhokar, R. K. Sharma and Raj Pal Meena. 2010. Effect of nitrogen scheduling on productivity of wheat (*Triticum aestivum*). *In*: Extended Summaries of XIX National Symposium on, "**Resource Management Approaches Towards Livelihood Security**" held at UAS, Bengaluru, Karnataka, December 2-4, 2010. Pp.15.

18. Raj Pal Meena, **Subhash Chander**, R. S. Chhokar and Sharma R. K. 2010. Performance of wheat (*Triticum aestivum*) genotypes under varying fertility levels in alpine conditions of high altitude Western Himalayan region. *In*: Extended Summaries of XIX National Symposium on, “**Resource Management Approaches Towards Livelihood Security**” held at UAS, Bengaluru, Karnataka, December 2-4, 2010. Pp.14.
19. S. C. Tripathi, S. C. Gill and Raj Pal Meena. 2010. Productivity of rice (*Oryza sativa*)-wheat (*Triticum aestivum*) as influenced by tillage, residue management and nitrogen application methods. *In*: Extended Summaries of XIX National Symposium on, “**Resource Management Approaches Towards Livelihood Security**” held at UAS, Bengaluru, Karnataka, December 2-4, 2010. Pp.422

## PEER RECOGNITION

### Oral presentation in International seminars / symposia / conference/ workshops

1. Sharma, R. K., Chhokar R. S., R. K. Singh and **S. C. Gill**. 2008. Zero tillage wheat and unpuddled rice: the energy, labour and cost efficient alternatives to conventional rice-wheat system. Presented in the 14<sup>th</sup> Australian Agronomy Conference 2008.
2. Chhokar R. S., R. K. Sharma R. K. Singh and **S. C. Gill**. 2008. Herbicide resistance in littleseed canary grass (*Phalaris minor*) and its management. Presented in the 14<sup>th</sup> Australian Agronomy Conference 2008.
3. Randhir Singh, David Coventry, R. K. Sharma, R. K. Gupta, R. S. Chhokar, **Subhash Chander Gill**, Anuj Kumar, Ashok Kumar Yadav, Amrit Bir Singh Riar and Jay Cumins. 2011. Effect of tillage and nutrient management on wheat yield and quality in rice-wheat rotation. Presented in the 3rd International Group Meeting on Wheat Productivity Enhancement under Changing Climate at UAS, Dharwad, Karnataka during 9-12 February 2011.

### Oral presentation in National seminars / symposia / conference/ workshops:

1. **Oral Presentation of Northern Hill Zone results of Agronomy trials on wheat by Subhash Chander** in 48<sup>th</sup> wheat and barley workers meet held at IARI, New Delhi, during 28-31 August 2009.
2. **Oral Presentation of “Safe and efficient use of herbicides”** by Chhokar R. S., R. K. Sharma and **Subhash Chander**. 2009. in Workshop on “**Role of Pesticide Application Technology in Crop Protection: Towards Sustainability Agriculture**” held in Delhi during 20 -22 January 2009, organised by Institute of Pesticide Formulation Technology (IPFT), Gurgaon (Haryana).
3. Sharma R. K., R. S. Chhokar, M. K. Gathala, A. K. Pundir, Rajpal Yadav, **Subhash Chander** and R. K. Singh. 2009. Effect of residue management options on soil properties and productivity of wheat under rice – wheat system. Presented in 4<sup>th</sup> **World Congress on Conservation Agriculture** on theme, “*Innovation for Improving Efficiency, Equity and Environment*” 4-7 February 2009, New Delhi, India.

2. **Chander Subhash**, R. K.Sharma, R. S. Chhokar, Randhir Singh and Ajay Kumar. 2009. Productivity and quality of wheat as influenced by farmers' participatory integrated nutrient management. Presented in **4<sup>th</sup> World Congress on Conservation Agriculture** on theme, "*Innovation for Improving Efficiency, Equity and Environment*" 4-7 February 2009, New Delhi, India.
3. Chhokar R. S., R. K. Sharma **Subhash Chander** and R. K. Singh 2009. Tillage and residue management effects on weeds in rice-wheat cropping system. Presented in **4<sup>th</sup> World Congress on Conservation Agriculture** on theme, "*Innovation for Improving Efficiency, Equity and Environment*" 4-7 February 2009, New Delhi, India.
4. Kharub A. S., **S. C. Gill** and R. P. S. Verma. 2009. Productivity and quality of cereals under organic and integrated nutrient supply in sub-tropical environment. Presented in **4<sup>th</sup> World Congress on Conservation Agriculture** on theme, "*Innovation for Improving Efficiency, Equity and Environment*" 4-7 February 2009, New Delhi, India. Pp 160.

#### **International seminars / symposia / conference/ workshops/ attended**

1. Attended and participated in **4<sup>th</sup> World Congress on Conservation Agriculture** on theme, "*Innovation for Improving Efficiency, Equity and Environment*" 4-7 February 2009, New Delhi, India.
2. Attended and participated in **3rd International Group Meeting on Wheat Productivity Enhancement under Changing Climate** at UAS, Dharwad, Karnataka during 9-12 February 2011.
3. Attended and participated in the Third International Agronomy Congress on **Agriculture Diversification, Climate Change Management and Livelihoods** held at New Delhi, India during 26<sup>th</sup>-30<sup>th</sup> November, 2012.