

Personal Details

Dr. RAVINDRA SINGH

Principal Scientist (Agronomy)

Email : ravindra.singh@icar.gov.in

Alternate Email : mahla_rs@yahoo.com

Phone : 0145-2684441

Mobile: 9414755175



Research Interest: Precision agriculture, Protected cultivation, Water, nutrient and Weed management in horticultural/ field crops

M.Sc. : SKRAU, Bikaner (Rajasthan)

Ph.D. : Choudhary Charan Singh University, Hisar, Haryana

Joining date in ICAR (yyyy/mm/dd) : 1998/11/17

Google Scholar:

Publications (Top 10 Publications having NAAS rating 6 and above with first or corresponding author only) :

1. Singh, R., Agarwal, S. K., Jat, M. L., (2002). Quality of wheat (*Triticum aestivum*) and nutrient status in soil as influenced by organic and inorganic sources of nutrients. *Indian Journal of Agricultural Science* 72(8): 456-460
2. Singh, R. and Agarwal, S. K. (2005). Effect of levels of farmyard manure and nitrogen fertilization on grain yield and use efficiency of nutrients in wheat (*Triticum aestivum*). *Indian Journal of Agricultural Science* 75(7): 408-413
3. Singh, R. Malik, J. K., Thenua, O.V.S. and Jat, H. S.(2013). Effect of phosphorus and bio-fertilizer on productivity, nutrient uptake and economics of pigeonpea (*Cajanus cajan*)+mungbean (*Phaseolus radiatus*) intercropping system. *Legume Research* 36(1): 41-48
4. Singh, R., Misra, A. and Godara, A. S. (2014). Growth, yield and quality of mid late and late varieties of sugarcane (*Saccharum spp* complex hybrid) as influenced by row spacing and fertility levels. *Indian Journal of Agricultural Sciences* 84(10): 1280-1283
5. Singh, R., Choudhary, S., Mehta, R. S., Aishwath, O. P. and Lal, G. (2020). Yield losses due to weeds, critical period for weed-crop competition in fenugreek (*Trigonella foenum-graecum* L.). *Legume Research* DOI: 10.18805/LR-4369
6. Malik, J. K., Singh, R., Thenua, O. V. S. and Kumar, A. (2013). Response of pigeonpea(*Cajanus cajan*) + mungbean (*Phaseolus radiatus*) intercropping system to phosphorus and biofertilizers. *Legume research* 36(4): 323-330
7. Godara, A. S., Singh, R., Chouhan, G. S. and Nepalia, V. (2018). Fenugreek productivity and N and P balance sheet with varying fertilizer levels, biofertilizers and brassinosteroid in Typic Haplustepts. *Legume Research* 41(4): 598-601
8. Godara, A. S., Singh, R., Chouhan, G. S. and Nepalia, V. (2017). Yield and economics of fenugreek (*Trigonella foenum-graecum* L.) as influenced by fertility levels, biofertilizers and brassinosteroid. *Legume Research* 40(1): 165-169
9. Godara, A. S., Singh, R and Chouhan, G. S. (2017). Productivity and quality of fenugreek (*Trigonella foenum-graecum*.) as influenced by fertility levels and brassinosteroid. *Indian Journal of Agricultural Sciences* 87(2):234-239
10. Harisha, C. B., Singh, R. and Asangi, H. (2019). Growth, seed yield, water and nutrient use efficiency of coriander (*Coriandrum sativum* Benth.) as affected by varied irrigation levels and fertigation practices. *Indian Journal of Agriculture Sciences* 89(7): 107-112.

Patent / Technologies / Varieties / Methodologies / System etc. (Five only) :

1. Identification of critical stage for weed competition in Cumin, Coriander, Fenugreek, Fennel and Ajwain
2. Raised bed (FIRB), drip irrigation and micro sprinkler technology for baby corn, cumin and kassuri methi:
Cumin
3. Protected cultivation for seed spices and off season production of leafy coriander and fenugreek
4. Nursery raising techniques and transplanting seedlings of seed spices and vegetables
5. Precision N management in sugarcane intercropped with wheat by recording NDVI, chlorophyll reading and leaf colour using Green Seeker Sensor, SPAD metre and LCC, respectively

No. of Students Guided: M.Sc : 06 Ph.D : 2

Awards / Recognitions / Fellowship (Five only) :

1. **Fellow Award of Hi-Tech Horticulture Society**, Modipuram, Meerut and **Fellow award of Indian Society of Seed Spices**, Ajmer, Rajasthan.
2. **Bharat Shiksha Ratan Award (2014)**: Presented by Global Society for Health & Educational Growth, New Delhi on 22 September, 2014.
3. **PS Deshmukh Young Agronomist award-2006**: Indian Society of Agronomy, Division of Agronomy, IARI, New Delhi.
4. **Best Scientist Award 2012**: Director, NRCSS, Ajmer, Rajasthan NRCSS, Ajmer (Rajasthan).
5. **Editorial Excellence Award**: Presented by Indian Journal of Agricultural Research, ARCC Journals, Karnal.

International exposure:

Visited USA: Three months foreign (USA) training from March 23, 2011 to 20th June, 2011 on "Sensor based applications of Nitrogen" at Oklahoma State University, Department of Plant and Soil Sciences, 368 Agricultural Hall, Stillwater, OK, USA-74078-6028

Ongoing research projects (institutional / external funded -as PI or CCPI):

1. AICRP on Spices Network Project CUM/CM/: Standardization of drip fertigation in cumin and fennel.
2. Standardization of two tier system of production technology in seed spices with vine vegetables using bower.
3. Studies on Gene x Environment interaction for cumin through (OFT) On-Farm Trail .