



Dr. V. V. Singh
Principal Scientist
(Plant Breeding)

- 1 Date of birth : 01-07-1971
- 2 Educational Qualification : Ph.D (Plant Breeding & Genetics), RAU, Bikaner (2003); M Sc Ag, RAU Bikaner (1994)
- 3 Joining Date in ICAR : 19-08-2006 (07-05-1996 in RAU, Bikaner)
- 4 Joining Date in DMR : 19-08-2006
- 5 Discipline /Specialization : Plant Breeding & Genetics
- 6 Research Experience : 18 years
- 7 Training/advance exposure in the area of work : Training obtained on Advances in Rapeseed-Mustard Research Technology for Sustainable Production of Oilseeds at NRCRM, Bharatpur
- 8 Contribution to the Scientific advancement
 - Contributed in development of 4 rapeseed-mustard varieties/hybrids and developed 8 novel genetic stocks of rapeseed-mustard.
 - Optimized transformation protocol in Indian mustard cultivars using chickpea *lectin* gene construct for aphid resistance.
 - Developed population improvement methods/base populations in Indian mustard for moisture stress conditions.
 - Developed participatory seed production and training models for quality seed production of mustard.
- 9 Future planning of research
 - Genetic enhancement for abiotic stress tolerance in Indian mustard
 - Enhancing varietal replacement rate through quality seed production
- 10 Awards/Recognitions
 - Best Scientist Award (2010-11) by DMR, Bharatpur
 - Distinguish Scientist Award (2010-11) by Society for Recent Advances in Agriculture, Meerut
 - Recognition Award (2010-11) by DMR, Bharatpur
 - Fellow Award (2013) by Indian Society of Genetics and Plant Breeding, New Delhi

11 Publications (best five)

- **Singh V. V.**, Bhagirath Ram,, Maharaj Singh, M. L. Meena and J. S. Chauhan (2014). Generation mean analysis of water stress tolerance parameters in Indian mustard [*Brassica juncea* (L.) Czern & Coss] crosses. *SABRAO Journal of Breeding and Genetics*. **46** (1):76-80.
- **Singh V.V.**, Maharaj Singh, J.S. Chauhan, Dhiraj Singh and M.L. Meena (2014). Comparison of half sib and full sib progeny selection methods in Indian mustard (*Brassica juncea* L.) under rain fed conditions. *SABRAO Journal of Breeding and Genetics*. **46** (1): 81-88.
- **Singh V V**, Chauhan, J S, Meena, M L and Singh, B R (2013). Development of random mating population for genetic enhancement of yield traits in Indian mustard (*Brassica juncea* L.). *Indian J. Agric Sciences* **84** (3): 418-20.
- **Singh V V**, JS Chauhan, Bhagirath Ram, Maharaj Singh and M L Meena (2012). Genetics of yield and yield-contributing traits in Indian mustard (*Brassica juncea*). *Indian Journal of Agricultural Sciences*. **82** (10): 881–4
- **Singh, V.V.**, Singh, M., Chauhan, J.S. and Kumar S. (2011) Development and evaluation of fullsib progenies for moisture stress condition in Indian Mustard (*B. Juncea*), *Indian Journal of Genetics*, **71**(1): 78-81.

12. Professional membership

- Indian Society of Genetics and Plant Breeding, New Delhi.
- Indian Society of Plant Genetic resources, New Delhi.
- Society of Rapeseed-Mustard Research, DRMR, Bharatpur.
- Society of Oilseed Research, DOR, Hyderabad.
- Society for recent advances in Agriculture, Meerut