

Bio-Data

Name : **Dr. SHIV KUMAR SINGH**
Father's Name : Shri Virendra Singh
Date of Birth : 30/06/1968
Post Held : Professor & Head
Department of Genetics and Plant Breeding, S.V.P.
University of Agriculture & Technology, Meerut
(U.P.). 250110
Permanent Address : Village- Kajrauth, Post- Kajrauth, District- Aligarh
202124
Contact No. : 09412384795 (M)
Email Address : shivkumar661@yahoo.com
Marital Status : Married
Category : OBC
Nationality : Indian

M.Sc. (Ag.) Thesis Research : "A study of path coefficient analysis in Barley (*Hordeum vulgare* L.)".

Ph.D. Thesis Research : "A study of combining ability of some yield components in Linseed (*Linum usitatissimum* L.)".

Employment Record:

- Presently working as **Assistant Professor**, Department of Genetics and Plant Breeding, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut (U.P.) from 24.03.2005 to till date.
- Worked as **Lecturer** in department of Ag. Botany C.C.S. - S.D.S. (P.G.) College Iglas, Aligarh (U.P.) from 19/11/1994 to 23/03/2005.

Publication : (a) Research Papers: 80
(b) Popular Article : 23
(c) Abstract : 65

Training : (i) CAS Training course on "Innovative Tools in Crop Improvement" dated 20-11-07 to 10-12-07 (21 days)
(ii) The "Orientation Programme" (OP-94) scheduled from dated 01-02-2006 to 02-03-2006 (30 days)
(iii) CAFT Training on "Climate Change and abiotic stress" 19.09.2013 to 01.10.2013 (21 days).
(iv) CAFT training on "Importance of Plant growth regulators and nutrients in agriculture and horticulture: Status and prospective in present in scenario" from dated 07.03.2016 to 27.03.2016 (21 days).

Award:

1. Young Fellow Award 2008 for outstanding contribution in the field of Genetics and Plant Breeding by the Society Scientific development in Agriculture and technology Jhansi, during fourth national symposium “Scenario of agriculture in changing climatic condition held on 18 to 19 Oct. 2008 at S.V.P.U.A. & T., Meerut, U.P. (India).

2. Best Educationalist Award 2009 for outstanding contribution in the field of Genetics and Plant Breeding (**Excellence in teaching**) by the Green Cross Society, Agra during International Seminar on “World trade organization and its impact on agricultural trade” held on 13 to 14 Feb. 2009 at Howard Park Plaza, Agra, (India).

3. SRDA Gold Medal Award 2009 for outstanding contribution in the field of crop improvement (Genetics and Plant Breeding) by the Society Recent development in Agriculture during 1st Indian agriculture scientists and farmers congress on technological innovation for enhancing agriculture production held on 3 to 4 Oct. 2009 at C.C.S. University, Meerut, U.P. (India).

4. Elected As Fellow of the Academy of Plant Sciences Society, 657/6 (770), South Civil Lines, Muzaffarnagar, India.

5. Scientist of the Year Award 2016 for outstanding contribution in the field of crop improvement (Genetics and Plant Breeding) by the Society Gramin Vikas Avam Siksha Prasar Samiti during National conference on Agricultural and rural development for sustainable agriculture and all round welfare of rural community held on 11/06/2016 to 12/06/2016 at Agra, U.P.

6. Presented a Poster and secured Second Position in the National Conference on “Emerging trends in agricultural science and its impact on sustainable livelihood” held on 25-26/2/17 at Shobhit University, Meerut U.P.

7. Presented Poster entitled ‘Genetic variability, correlation and path analysis in forage sorghum during International Conference on ‘Global research initiatives for sustainable agriculture and allied sciences’ organized by Astha Foundation 2018 Meerut U.P.

8. Excellence in Teaching Award 2018 for outstanding contribution in the field of Genetics and Plant Breeding (**Excellence in teaching**) by the society for Scientific Development in Agriculture & Technology during International Conference on ‘Global research initiatives for sustainable agriculture and allied sciences’ held on 28 to 30 October at Rajasthan Agricultural Research Institute, Durgapura, Jaipur (Rajasthan).

9. National Fellow Award 2019 for outstanding contribution in the field of Genetics and Plant Breeding by the New Age Mobilization Society, New Delhi during National Conference on ‘Identification, convergence, implementation and extension of researchable issues for sustainable development’ held on 20 to 21 April 2019 at SVP UA&T, Meerut U.P.

Books: 04 Dr. S. K. Singh (Author)

1. **Author of the Book** 'Resource Book of Genetics and Plant Breeding' published by Parmar Publication, 854 KG Ashram, Bhuinphod, Govindpur Road, Dhanbad-828109 Jharkhand. ISBN: 978-81-92587-540.
2. **Author of the Book** 'Model MCQs Genetics and Plant Breeding' published by Parmar Publication, 854 KG Ashram, Bhuinphod, Govindpur Road, Dhanbad-828109 Jharkhand. ISBN: 978-81-941735-5-7.
3. **Author of the Book** 'Method Manual for Breeding of Field Crops' published by Parmar Publication, 854 KG Ashram, Bhuinphod, Govindpur Road, Dhanbad-828109 Jharkhand. ISBN: 978-81-942537-9-2.
4. **Author of the Book** 'Text Book on Crop Ecology' published by Jaya Publishing House, H-1/60, Sector-16, Rohini, Delhi-110089 (India). ISBN: 978-93-90611-31-7.

Publications:

Research Paper:

1. Malik, A.; **Singh, S.K.**; Chand, P.; Singh, B. and Singh, D.K. 2015. Genetic variability, heritability and genetic advance studies on forage sorghum. *Progressive Agriculture an International Journal*, 15(1):92-94.
2. Kumar, G.; **Singh, S.K.**; Kumar, A.; Rathi, V. and Singh, P.K. 2015. Correlation and path analysis in wheat. *The journal of Rural and Agriculture Research*, 15(1):34-37.
3. Soni, S.; Singh, K.V.; Singh, B.; Malik, S.; **Singh, S.K.** and Singh, M.K. 2015. Impact of foliar application of plant bioregulators on morphological, floral and yield traits in bottle gourd (*Lagenaria siceraria*). *Progressive Agriculture an International Journal*, 15(2):268-271.
4. Soni, S.; Singh, K.V.; Singh, B.; Malik, S.; **Singh, S.K.** and Singh, M.K. 2015. Efficacy of plant bioregulators on sex expression, earliness and yield components in bottle gourd (*Lagenaria siceraria*). *Progressive Agriculture an International Journal*, 15(2):235-239.
5. Saini, R.K.; **Singh, S.K.**; Ompal and Singh, P.K. 2015. Genetic variability, correlation and path analysis in rice. *The Journal of Rural and Agricultural Research*, 15(2):13-17.
6. Kumar, G.; **Singh, S.K.**; Rathi, V.; Kumar, A. and Singh, P.K. 2015. Genetic divergence in wheat. *The Journal of Rural and Agricultural Research*, 15(2):99-101.
7. Kumar, N.; **Singh, S.K.**; Singh, S.P.; Singh, M. and Pal, M. 2016. Character association and path analysis in rice. *Progressive Agriculture an International Journal*, 16(1):103-108.

8. Saini, R.K., **Singh, S.K.**, Ompal and Singh, P.K. 2016. Genetic divergence in rice. *The Journal of Rural and Agricultural Research*, 16(1):82-84.
9. Dilip, T.S., **Singh, S.K.** and Kumar, R. 2016. Genetic variability, character association and path analysis in Indian mustard. *Technofame* 5(1):50-58.
10. Dilip, T.S., **Singh, S.K.** and Kumar, R. 2016. Genetic divergence in Indian mustard. *Technofame* 5(2):7-10.
11. **Singh, S.K.**, Singh, A. and Kumar, R. 2016. Genetic variability, character association and path analysis in forage sorghum. *Progressive Agriculture*, 16(2): 214-218.
12. Amit, Kumar, M., Vaishali, Sengar, R.S., Singh, R. and **Singh, S.K.** 2016. Isolation and characterization of protease inhibitor genes from potato (*Solanum tuberosum* L.). *International Research Journal of Natural and Applied Science*, 12(3): 96-111.
13. Singh, A., **Singh, S.K.**, Chand, P., Kerkhi, S.A., Kumar, M. and Singh, R.V. 2017. Variability, character association and path analysis studies in forage sorghum. *Journal of plant development science*, 9(7): 691-694.
14. Singh, A. and **Singh, S.K.** 2017. Studies on combining ability in forage sorghum for yield and quality parameters. *Journal of plant development science*, 9(8): 785-792.
15. Chaudhary, R., Kumar, M., Sengar, R.S., Kumar, P., **Singh, S.K.** and Kumar, Y. 2017. Effect of salt stress on ion accumulation in chickpea (*Cicer arietinum* L.). *Progressive agriculture*, 17(1): 97-101.
16. Pal, K., **Singh, S.K.**, Kumar, B. and Singh, C. (2017). Studies on combining ability and heterosis in forage sorghum (*Sorghum bicolor* L. Moench). *Biochem. Cell. Arch.* Vol. 17 (1): 79-96.
17. Pal, K., **Singh, S.K.**, Kumar, B. and Singh, C. (2017). Studies on heterosis and inbreeding depression in forage sorghum. *Biochem. Cell. Arch.* 17 (1): 117-128.
18. Kumar, A., Chand, P., Kerkhi, S.A., **Singh, S.K.**, Kumar, M. and Kumar, P. 2017. Genetic variability on water stress in wheat (*Triticum aestivum* L.). *Progressive agriculture*, 17(1): 173-175.
19. **Singh, S.K.**, Singh, B., Singh, S.P. and Singh, A. 2017. Genetic divergence and selection parameters for quantitative attributes studies on forage sorghum. *Progressive agriculture*, 17(2): 322-325.
20. Singh, M., **Singh, S.K.**, Chand, P., Kerkhi, S.A., Vaishali and Kumar, M. 2017. Character association and path analysis in mustard. *Progressive agriculture*, 17(2): 315-321.
21. Kumar, R., **Singh, S.K.**, Chand, P., Kerkhi, S.A., Kumar, M. and Vaishali 2017. Studies on path analysis in rice. *Progressive agriculture*, 17(2): 326-332.

22. Gupta, A., Singh, M.K., Kumar, M., **Singh, S.K.**, Katiyar, M. Kumar, V. 2017. Studies on genetic divergence in pea (*Pisum sativum* L.) based on agro-morphic traits. *International journal of current microbiology and applied Sciences*, 6(11): 3816-3821.
23. Kumar, N., Chand, P., Kerkhi, S.A., Sirohi, A., **Singh, S.K.**, Kumar, M. and Singh, M. 2017. Molecular screening of blast resistance gene in thirty rice (*Oryza sativa*) genotypes through blast specific primers. *Journal of Pharmacognosy and phytochemistry*, SP1: 456-460.
24. Singh, M., **Singh, S.K.**, Chand, P., Kerkhi, S.A. and Kumar, M. 2017. Heterosis for seed yield and its components in Indian mustard (*Brassica juncea* L.). *Journal of Pharmacognosy and phytochemistry*, SP1: 755-759.
25. Chauhan, C. and **Singh, S.K.** (2018). Studies on combining ability in oat. *Indian Research Journal Genetics and Biotechnology*, 9(4): 613-623.
26. Chauhan, C., **Singh, S.K.** and Rout, S. (2018). Studies on heterosis in oat. *Int. J. Curr. Microbiol. App. Sci.*, 7(9): 272-277.
27. Ahlawat, N.K., Arya, V.K., Kumar, P. and **Singh, S.K.** (2018). Genetic divergence in forage sorghum (*Sorghum bicolor* L. Moench). *Journal of Applied and Natural Science*, 10(1): 439-444.
28. Sen, R., **Singh, S.K.**, Chand, P., Kerkhi, S.A., Singh, G. and Kumar, M. (2018). Studies on combining ability in forage sorghum for yield and quality parameters. *Journal of Pharmacognosy and phytochemistry*, 7(4): 2182-2188.
29. Singh, B., **Singh, S.K.**, Singh, A. and Singh, A. (2018). Studies on combining ability effect on seed yield and its components in Indian mustard (*Brassica juncea* L.). *Journal of Pharmacognosy and phytochemistry*, 7(1): 879-882.
30. Sirohi, U., Kumar, M., **Singh, S.K.**, Chauhan, P., Kumar, R. and Chand, P. (2018). Studies on genetic variability, heritability, genetic advance and character association in tuberose (*Polianthes tuberosum* L.) genotypes. *Hortflora Research Spectrum*, 7(2): 109-114.
31. Rana, M., Kumar, M., Chand, P., **Singh, S.K.** and Kumar, M. (2019). Identification of promising hybrids through exploitation of heterosis in chickpea (*Cicer arietinum* L.). *Journal of Pharmacognosy and phytochemistry*, SP (2): 1031-1035.
32. Kumar, A., Sharma, S., Rai, N.L., Tomar, A., Kumar, P., Sengar, R.S., **Singh, S.K.**, Vaishali, Kumar, M. and Yadav, M.K. 2019. Callus introduction and efficient plant regeneration in wheat (*Triticum aestivum* L.) through mature embryo culture. *International Journal of Chemical Studies*, 7(4): 1445-1450.

33. Yadav, V., **Singh, S.K.**, Katiyar, H., Lodhi, S.K. and Singh, K. 2019. Genetic variability, Heritability and genetic advance for fodder yield and its components in forage sorghum. *Indian Journal of Agriculture and allied Sciences*, 5(1): 30-32.
34. **Singh, S.K.**, Gangwar, L.K. and Chaudhary, M. 2019. Studies on character association and path analysis in forage sorghum. *International Journal of Chemical Studies*, 7(5): 2939-2942.
35. Dev, A., **Singh, S.K.**, Chand, P., Kumar, M., Kumar, M., Poonia, M. and Srivastava, M. 2019. Genetic variability, character association and path analysis in forage sorghum. *Journal of Pharmacognosy and phytochemistry*, 8(5): 1135-1139.
36. Srivastava, M., **Singh, S.K.**, Chand, P., Kumar, M., Kumar, M., Gangwar, L.K. and Dev, A. 2019. Studies on path analysis in forage sorghum (*Sorghum bicolor* L. Moench). *Journal of Pharmacognosy and phytochemistry*, 8(5): 993-996.
37. Sen, R., Saini, R.K., **Singh, S.K.** and Kumar, A. 2019. Study of genetic variability of fodder yield and its components in forage sorghum (*Sorghum bicolor* L. Moench). *Forage Research*, 45(2): 156-158.
38. Sirohi, M., **Singh, S.K.**, Chand, P., Kumar, M., Gupta, S. and Kumar, M. 2019. Character association and path analysis in forage sorghum. *J. Exp. Zool.*, 22(1): 1469-1473.
39. Kumar, R., **Singh, S.K.**, Chand, P., Kumar, M., Gupta, S. and Kumar, M. 2019. Path analysis studies on forage sorghum. *J. Exp. Zool.*, 22(1): 1474-1480.
40. Kumar, A., Kumar, M., Chand, P., **Singh, S.K.**, Kumar, P. and Gangwar, L.K. 2020. Studies on genetic variability among yield and related traits of parents and F₁ population in chickpea (*Cicer arietinum* L.). *Journal of Pharmacognosy and phytochemistry*, 9(3): 1434-1438.
41. Chaudhary, M., **Singh, S.K.**, Kumar, M., Chand, P. and Kumar, M. 2020. Combining ability and heterosis analysis in forage sorghum (*Sorghum bicolor* L. Moench) for yield and yield components. *Journal of Pharmacognosy and phytochemistry*, 9(5): 1339-1348.
42. Shende, R.T., Sengar, R.S., Kumar, M., Gupta, S., Singh, G. and **Singh, S.K.** 2020. Evaluation of yield and yield related traits of chickpea (*Cicer arietinum* L.) genotypes under water stress condition. *Int. J. Curr. Microbiol. App. Sci.*, 9(12): 1960-1979.
43. Kumar, R., **Singh, S.K.**, Singh, S., Kumar, A. and Kumar, M. 2020. Studies on genetic variability and heritability of yield and its components in forage sorghum (*Sorghum bicolor* L. Moench). *Journal of Pharmacognosy and phytochemistry*, 9(5): 3103-3106.
44. Chaudhary, M., **Singh, S.K.**, Kumar, M., Chand, P. and Kumar, M. 2020. Genetic variability, heritability and character association among yield and its contributing traits

- in oat (*Avena sativa* L.). *International Journal of Chemical Studies*, 8(5): 1295-1301.
45. Sirohi, M., **Singh, S.K.** and Singh, M. 2021. Studies on heterosis in forage sorghum. *The Pharma Innovation Journal*, 10: 979-983.
46. **Singh, S.K.**, Singh, M., Kumar, N. and Kumar, P. 2021. Correlation and path analysis studies in forage sorghum. *Journal of Plant Development Sciences*, 13(4): 233-237.
47. Kumar, P., Kumar, P., Vaishali, **Singh, S.K.** and Tomar, A. 2022. Evaluation of drought resistance indices and grain yield in basmati and non basmati rice under water stress at reproductive stage. *The Pharma Innovation Journal*, 11(9): 2081-2085.
48. Kumar, A., Prakash, S., Singh, B., Chand, P. and **Singh, S.K.** 2022. Studies on genetic variability, heritability and genetic advance for selection genotypes in okra. *The Pharma Innovation Journal*, 11(6): 1508-1511.
49. Chaudhary, N.K., Gangwar, L.K., Chand, P., **Singh, S.K.**, Kumar, M., Mohan, S., and Kushwaha, P. 2022. Analysis of combining ability for yield and its contributing traits in bread wheat (*Triticum aestivum*). *The Pharma Innovation Journal*, 11(5): 2500-2504.
50. Mohan, S., Gangwar, L.K., Chand, P., **Singh, S.K.**, Chaudhary, N.K. and Kushwaha, P. 2022. Broad study of heterotic combination for grain yield and its related components in bread wheat (*Triticum aestivum*). *The Pharma Innovation Journal*, 11(6): 1666-1670.
51. Mohan, S., Gangwar, L.K., Chand, P., **Singh, S.K.**, Chaudhary, N.K., Kushwaha, P. and Alamgir 2022. Comprehensive assessment of variability, heritability and genetic advance for quantitative characters in bread wheat (*Triticum aestivum*). *Biological Forum- An International Journal*, 14(2): 1373-1376.
52. Kushwaha, P., Chand, P., Gangwar, L.K., **Singh, S.K.**, Kumar, M., Chaudhary, N.K., Mohan, S., Priyanka, V. and Kumar, R. 2022. Assessment of combining ability for grain yield its related contributing traits in rice (*Oryza sativa* L.). *Biological Forum- An International Journal*, 14(2): 1488-1493.
53. **Singh, S.K.**, Singh, M., Singh, A., Gangwar, L.K., Singh, B. and Shukla, A.K. 2022. Combining ability in forage sorghum (*Sorghum bicolor* L. Moench). *Forage Research*, 48(2):174-179.
54. Kumar, R., Singh, M., **Singh, S.K.**, Singh, A., Singh, B. and Shukla, A.K. 2022. Studies on path analysis in forage sorghum. *Forage Research*, 48(2):180-184.

(Shiv Kumar Singh)